

Presidency
University
PRASANGIKI



The Annual Report of
Presidency University (formerly Presidency College), Kolkata
197th Founders' Day, 20th January 2014

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Annual Report of Presidency University, Kolkata
(Formerly Presidency College)

20 January, 2014
197th Founders' Day



**PRESIDENCY UNIVERSITY
KOLKATA**

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Prasangiki

Annual report of the activities of different departments of Presidency University (formerly Presidency College), Kolkata for the year 2013

197th Founders' Day

20 January, 2014

Published by the Prof. Malabika Sarkar, Vice-Chancellor, Presidency University, Kolkata.

Editorial Assistance :

All staff members of the University

Errors and omissions if any, are sincerely regretted

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Prasangiki 2014

Contents

Founders' Day	5	Philosophy Department	47
Vice Chancellor's Desk	7	Political Science Department	48
Photo Gallery	10	Sociology Department	54
Major Events of the University	21	Biological Science	56
Student Strength of the University	22	Chemistry Department	67
List of Medal Winners	23	Economics Department	75
Controller's office	23	Geography Department	79
Students' affairs	24	Geology Department	84
Department of ICT	25	Mathematics Department	92
Presidency Choir	26	Physics Department	93
FAEA Report	28	Statistics Department	102
Eden Hindu Hostel	29	Presidency Library	104
175th Anniversary Girls' Hostel	29		
Presidency Alumni Association Report	30	APPENDICES	
		1. Synopsis of post Graduate (M.A. & M.Sc.)	
NEWS FROM THE DEPARTMENTS		final results 2013	108
Bengali Department	33	2. List of Trust Funds & Endowments	109
English Department	35	3. List of Staff Members of the Office of	
Hindi Department	39	the Vice Chancellor	112
History Department	42	4. Presidency University Council	115

Founders' Day

As we usher in the year 2014, Presidency University has completed three years of its existence. It has been another year of hard work and achievements for this infant university that is still working diligently towards determining its own destiny. The past year has been one of successful recruitment for both faculty and students. Those of us that joined the university in the previous academic session have pledged, like those before us, our tireless support to the academic mission of this august institution. The few of us, who have the rare privilege of calling this historical abode of higher learning our Alma Mater, remain responsible for keeping its legacy – of nearly two hundred years of academic excellence – alive and relevant in the twenty-first century. Whether we are ex-Presidencians or new faculty recruits from some other tradition of academic renown, the gracious and generous spirit of this university, under a dynamic leadership, has already established a sense of community and synergy. We all feel that we have returned home, to perhaps a family we did not even know we belonged to, after a long and arduous journey of knowledge gathering. We are where we ought to be!

Presidency University is no longer poised on the threshold of immense possibilities. We are now in full-flight, soaring towards uncharted heights and limited only by our imagination. We are mindful of the responsibilities entrusted to us by the distinction of our special status. We strive to fulfil the promise we made, to ourselves as educators and to the larger academic community, to deliver on the promise of a liberal arts education and social justice, at both the local and international levels. It is this resolve that ignites in us the fire of intellect, as we carve out a unique niche of innovative pedagogy and pathbreaking research. We have much to do and much to aspire to, even as we progress in establishing alliances with multiple national and international institutions of higher education and research. We have commenced the first phase of the previously projected infrastructural work of modernization, expansion, and improvement – always ensuring the preservation of the architectural integrity of our heritage buildings. Our past enlivens our present and inspires our future, both ideologically and literally.

Presidency University is the *loci* of many hopes and dreams. Those who dare to dream are the only ones who can realize them. Yet, at Presidency we do not simply dream; we prepare to innovate and to unflinchingly meet the impediments to our dreams. We are not unaware of the many challenges that lie before us or of the possibility of having to encounter challenges that we may not have even foreseen. However, we are who we are because we remain intrepid in our commitment ‘to strive, to seek, to find, and not to yield’.

From the Vice Chancellor's Desk



2013 will always be remembered as a landmark year for Presidency as, during these twelve months, two significant events took place – the university's First Convocation and the drafting of the First Statutes of Presidency University. With these two events, this institution, once an outstanding undergraduate college and now on its way towards fulfilling its aspiration of being one of the finest universities in the country, may be said to have come of age.

Presidency University's First Convocation on 22nd August was perhaps the high point of the year. Having been granted university status in July 2010, Presidency admitted its first students in 2011. Consequently, the first students who become eligible for a bachelor's degree from Presidency University will qualify in 2014. However, the first students to become eligible for a masters degree from Presidency qualified in 2013. At the convocation, three hundred and forty students received their masters degree. The convocation was a memorable event. The convocation procession made its way through Derozio Hall, with the Honourable Chancellor and Governor of West Bengal, Shri M.K. Narayanan, the Chief Guest, Mr. Sam Pitroda, the Guest of Honour, the Honourable Education Minister, Shri Bratya Basu, and officers, deans and heads of departments, wearing black gowns with colour-coded ribbons, while the song sung by the university choir filled the air. It was a magical atmosphere. Two *honoris causa* degrees were awarded – in the humanities, to widely acclaimed historian Professor Ranajit Guha, and in science, to the distinguished chemistry teacher and researcher, Professor Mihir Chowdhury. Both are Presidency alumni. In harmony with the spirit of an institution now nearly two hundred years old, students were administered their oath in Sanskrit by a Praelector. After the inspiring speeches and the award of degrees and medals, recipients of degrees walked out to release blue balloons into the sky to mark their journey from Presidency into the wider world. A celebratory lunch for all was a fitting finale to the day's proceedings.

The Amendment to the Presidency University Act of July 2010 came into effect in June 2013 and we were asked to draft Presidency's First Statutes. Immediately after the Convocation, the drafting of the Statutes began and in December we were able to submit the draft statutes for approval. Although completed within an astonishingly short period of time, the draft has been prepared with great care. The distinctive character of Presidency University among all state universities of West Bengal will be found reflected in the draft statutes.

One of the major changes we have asked for is the introduction of a new post. Recognizing our dual emphasis on teaching and research, and the UGC's initiative in creating research and innovation universities, we have asked for a special position in the statutes – that of Director, Research, Planning and Development. If this is granted when the statutes are adopted early in 2014, it will greatly facilitate research projects and collaborations at Presidency.

Meanwhile, faculty positions continue to be filled along the lines set out in 2012 and several departments have now taken shape with the core faculty in place. It will be a few more months before all faculty positions are filled. Presidency now has two academic deans with Professor Shanta Dutta, Head of the Department of English, as the Dean of Humanities and Social Sciences, and Professor Somak Raychaudhury, Head of the Department of Physics, as the Dean of Mathematical and Natural Sciences. Both happen to be Presidency alumni. Two new and dynamic officers have been recruited, an Assistant Registrar and a Senior System Analyst, as well as, at the senior level, a Finance Officer. It is hoped that in the first few months of the new year recruitments of non-teaching staff will also begin. Once the full team is in place, Presidency will move forward much faster.

During the year, Presidency was honoured to welcome several distinguished visitors. On 18th March 2013, Professor A.P.J. Abdul Kalam, former President of India, came to the university to install a plaque signalling the rejuvenation of the Baker Laboratories Building in its centenary year and to address our students. In July, Professor Amartya Sen delivered the Dipak Banerjee Memorial Lecture to a packed audience, including some of the most eminent Economists, alumni of Presidency, in the Derozio Hall. On this occasion, he also inaugurated the Professor Dipak Banerjee Lecture Room created with the help of alumni donation through the Presidency University Vice-Chancellor's Fund for Excellence.

The science departments at Presidency were able to successfully defend the proposals they submitted to DST and were rewarded with generous funding. Most departments across the university organized national and international conferences and, in December, an extremely successful three-day Science Lecture Series was organized by Presidency students. A Humanities and Social Sciences Lecture Series organized by students has been planned for February 2014.

Presidency's infrastructural facilities are being upgraded for the benefit of faculty and students. One of these is the university's first e-classroom located on the ground floor of the new Library Building. The e-classroom enables interactive connectivity with speakers in any part of the world, and it is hoped that Presidency's outstanding alumni will be able to make seminar presentations – perhaps even teach a full course – and take questions from students seated in that room at Presidency. Another, perhaps larger, e-classroom is planned for the campus. Other infrastructural improvements have also been initiated, in the Baker Laboratories Building, the Netaji Subhas Building and the Main Building. And behind the garden in the courtyard of the Main Building there is now a new cafeteria named Eighty Six (Presidency's College Street address), run by IRCTC, which has been received with enthusiasm by students and faculty.

The entire curriculum at Presidency has now been revised. Research components have been introduced into the Masters courses, opening the minds of students to exciting possibilities and preparing them for future research. For undergraduate students, the old pass courses have been replaced with Gen-Ed (General Education) courses and each Science student is now required to take at least two Humanities/Social Science courses and each Humanities/Social Science student is required to take at least two science courses. First

year students have a wide range of courses to choose from and the entire teaching-learning experience has become richly rewarding.

The commitment of the excellent new faculty who have joined Presidency, both as Professors and as Assistant and Associate Professors, is a sign that Presidency will once again earn recognition as one of the great centres of higher education in India. And Presidency continues to have some of the finest students. Placement activities at Presidency have improved significantly while research opportunities are set to grow with the Ph.D. programme now a reality. And Presidency added another international collaboration to the one that was signed in 2012 with Trinity College Dublin. This is a university-wide MOU with Groningen University. Smaller, department-based international MOUs are also happening. At the same time, in the sciences, university-industry partnerships are taking shape.

So what are our aspirations for the year ahead? In terms of infrastructure, it is hoped that our plans that a part of Hindu Hostel be converted to an international guest house for visiting faculty with a Faculty Club on the ground floor will now see the light of day. Laboratories and libraries need to be upgraded. Finally, plans for the second campus in the 10 acre land Presidency has received from the government must now be made, and the History of Science Museum and the memorabilia shop must now become a reality. Most important of all, it is surely everyone's wish that the sciences, humanities and social sciences at Presidency set new standards of excellence.

In October 2011 when I arrived at Presidency, it was with a great deal of hope and some misgivings. Two years on, with Presidency University now recognized nationally for its commitment to excellence, we seem to have taken the first few critical steps in the right direction. We can now look to the future with greater confidence.

May I wish everyone a very Happy New Year!

Malabika Sarkar
Vice Chancellor
Presidency University

Photo Gallery
196th Founders' Day celebration

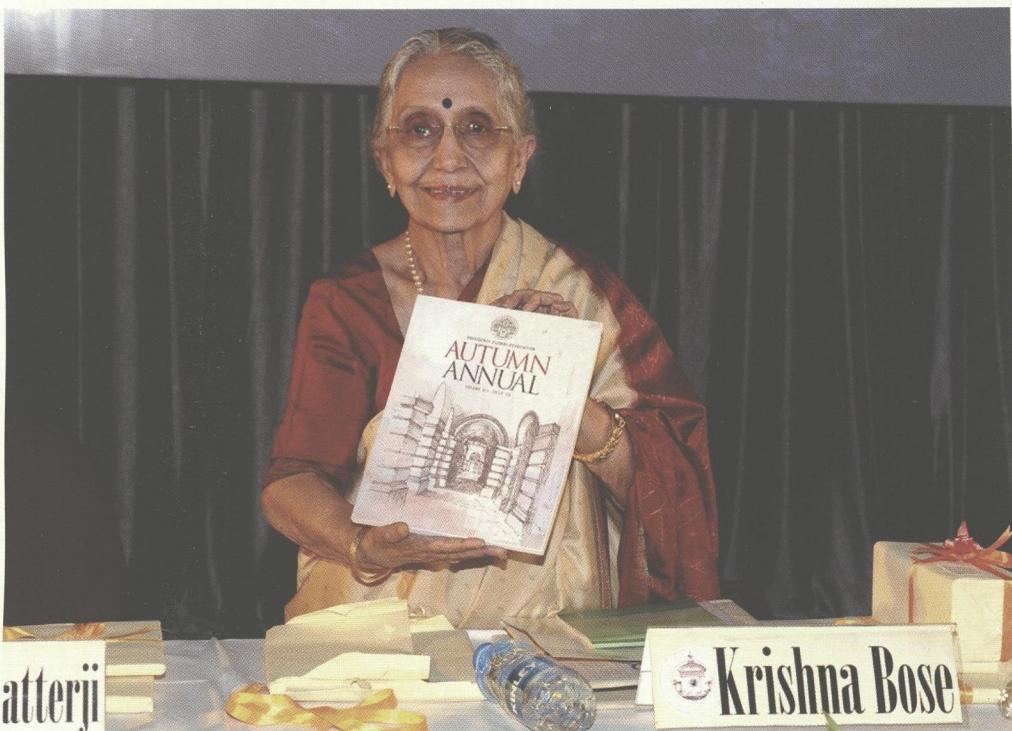


Sri Anindya Mitra, President, Presidency Alumni Association is garlanding the statue of Henry Louis Vivian Derozio.



Sri Subir Dutta, Chief Guest of the occasion is garlanding the statue of Henry Louis Vivian Derozio.

196th Founders' Day celebration



Prof. Krishna Bose, President of the occasion is releasing Autumn Annual.



Professor Malabika Sarkar, Vice-Chancellor, Presidency University is presenting *Atul Chandra Gupta Distinguished Alumnus Award 2011* to Sri Somenath Chatterjee, one of the illustrious alumni of Presidency College.

196th Founders' Day celebration



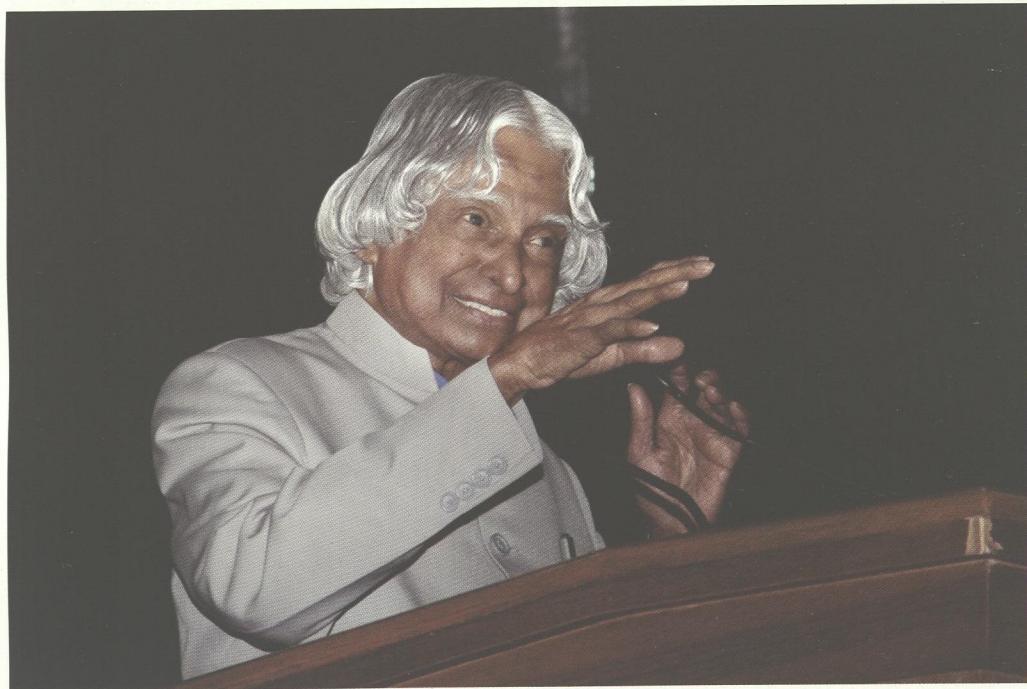
The University Choir is performing on the occasion of 196th Founders' Day celebration.



Dance drama presented by the University Choir on the occasion of 196th Founders' Day celebration.



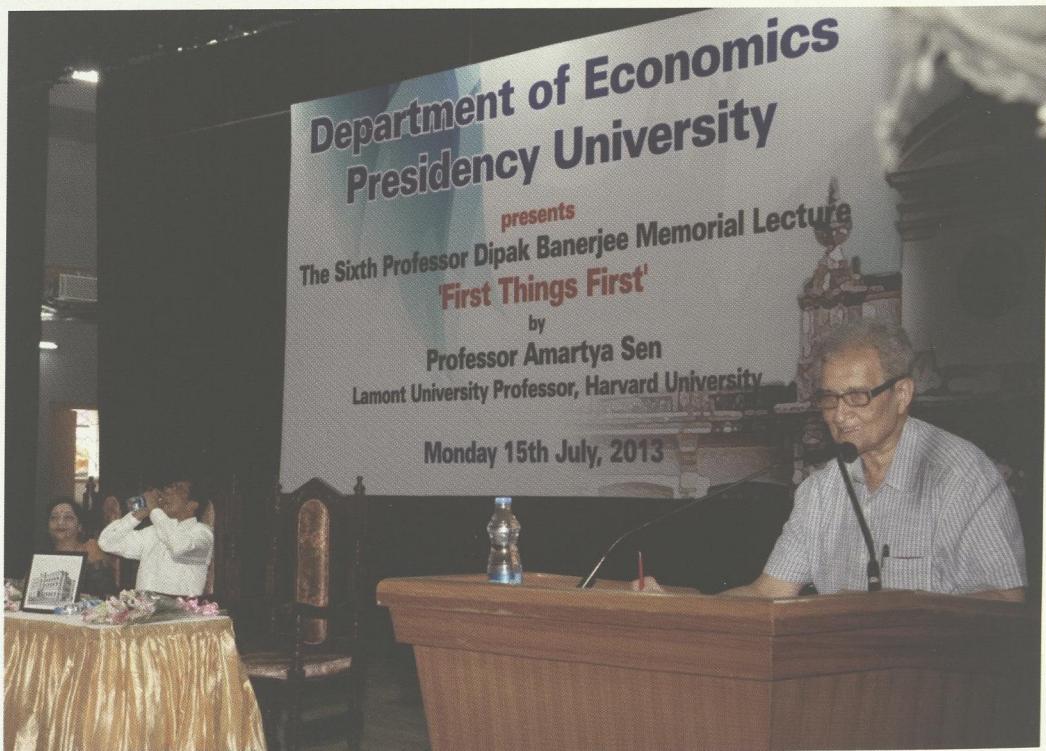
Professor Malabika Sarkar, Vice-Chancellor, Presidency University is receiving the former President of India and eminent scientist Professor A.P.J. Abdul Kalam, on the occasion of his visit to our University on 18th March 2013.



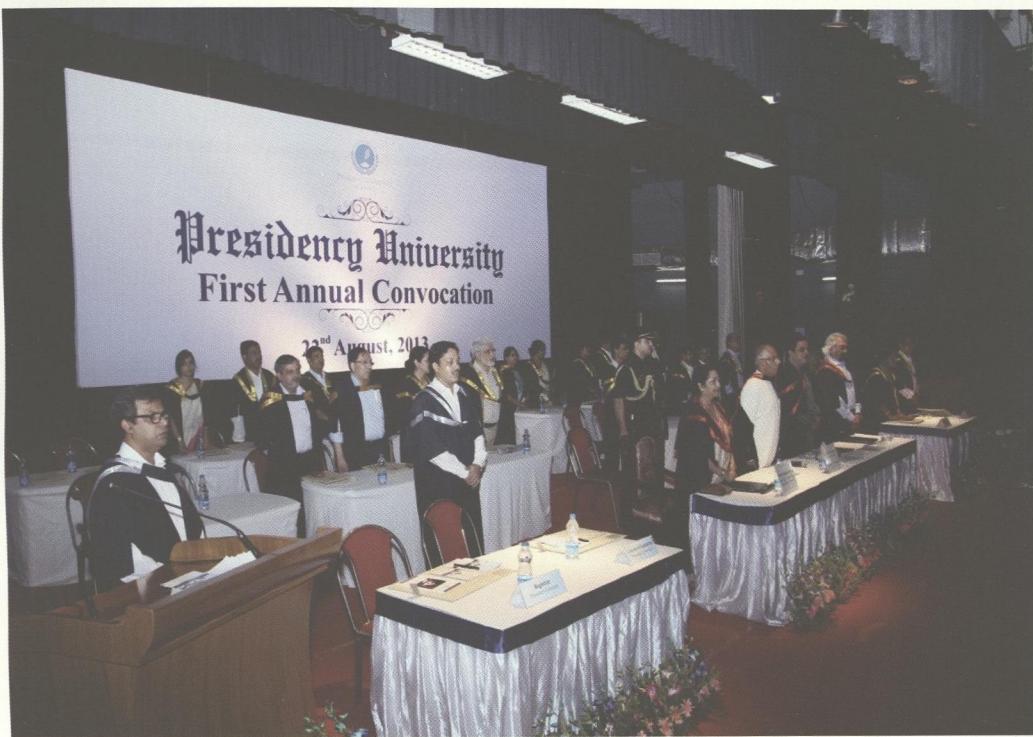
Professor A.P.J. Abdul Kalam is addressing the students of Presidency University.



Swami Prabhanandaji Maharaj, Vice-President, Ramkrishna Mission is garlanding the statue of Swami Vivekananda after unveiling it on 23rd June 2013.



Professor Amartya Sen is delivering the sixth *Professor Dipak Banerjee Memorial Lecture* on 15th July 2013.



The oath-taking ceremony at the First Annual Convocation.



The degree of Doctor of Science (*honoris causa*) conferred on Professor Mihir Chowdhury is being received by his wife from Honourable Chancellor, His Excellency Shri M.K. Narayanan, the Governor of West Bengal.



Distinguished members of audience on the occasion of First Convocation of the University.



The jubilant new graduates.



Padmashri Pradip Kumar Banerjee, Chief Guest of the Annual Athelatic Meet is being felicitated by Sri Anirban Chakraborti, Assistant Registrar.



The finalists of the Intra-University Football Tournament.



Major Events of the University

196th Founders' Day Celebration: The University celebrated its 196th Founders' Day on 20th January 2013 with customary enthusiasm. Professor Krishna Bose, an alumnus of Presidency College and former member of Parliament presided over the function and Sri Subir Dutta, IAS (Retired) was the Chief Guest. Hon'ble Vice Chancellor, Professor Malabika Sarkar addressed a warm welcome to the guests in the Derozio Hall. The University Choir put up songs in keeping with the occasion. Professor Shanta Dutta read out sections of Prasangiki followed by the Annual Prize Distribution ceremony where students were awarded certificates, medals and prizes for academic excellence and for co-curricular activities. The programme was conducted by Dr. Debashish Sen and Dr. Anik Chatterjee. The cultural programme organized by the University Choir was followed by the reunion organized by the Alumni association on the University lawns. On the 19th of January 2013, as a part of the Founders' Day Celebration, a Past versus Present cricket match was played.

Republic Day Celebration: On the 26th of January, 2013 the University observed the 64th Republic Day of India. The National flag was hoisted by the Hon'ble Vice-Chancellor followed by a programme organized and presented by the University Choir.

Visit by Professor A.P.J. Abdul Kalam: The former President of India and eminent scientist, Professor A.P.J Abdul Kalam, visited the University on 18th March, 2013. Professor Kalam interacted with the students and inaugurated the renovation of the historic Baker Laboratories building, which was celebrating its centenary in 2013.

Self-defense course for students and Staff: The University has started a self-defense training course from the 2013-14 academic session. An introductory session of the same was held on 2nd May 2013 at the AJC Bose Auditorium. The training workshops involve a combination of mixed martial arts influenced fighting techniques which borrow from popular styles such as Krav Maga, Brazilian Jiu-jitsu, Escrima and Aikido; and interactive discussions on being mentally prepared to disarm or disengage an attacker. On occasion, depending on the age group, there shall be role-play exercises, videos and even street theatre to highlight certain safety issues.

Vivekananda statue: Marble statue of Swami Vivekananda, donated by the Presidency Alumni Association has been installed in the Main corridor of the Main Building. The statue was unveiled by Swami Prabhanandaji Maharaj, Vice-President, Ramkrishna Mission on 23rd June 2013.

Orientation of the first semester of Undergraduate Courses: On 5th July 2013 the First Semester of undergraduate classes of Presidency University for the academic session of 2013-2014 was formally inaugurated in the Derozio Hall. The Hon'ble Vice Chancellor, Professor Malabika Sarkar addressed the students. The Heads of all the Departments were present at the programme. The University Choir sang on this occasion. The Dean of Students, Deboshruti Roychowdhury coordinated the event. Students were guided to their departments by the respective Heads and introduced to the rest of the faculty.

Independence Day Celebration: The University celebrated the 66th Independence Day of the nation on 15th August, 2013. The Vice Chancellor hoisted the national flag. Teachers, students and members of the non-teaching staff were present on the occasion. The University Choir put up a performance in keeping with the spirit of the occasion.

First Annual Convocation Ceremony: The University held its first annual Convocation Ceremony on 22nd August 2013. The ceremony was presided over by His Excellency Shri M.K. Narayanan, the Governor of West Bengal and the Chancellor of the University. Mr Sam Pitroda, advisor to the Prime Minister on Public Information Infrastructure and Innovations addressed the convocation as the guest-in-chief and Mr Bratya Basu, the Hon'ble Minister-in-charge of Higher Education and School Education in West Bengal was the guest of honour. Over 340 students received their degrees at the annual convocation. Eminent alumni, historian Professor Ranajit Guha and chemist Professor Mihir Chowdhury received D.Litt and D.Sc degrees, Honoris Causa, at the ceremony. The ceremony was attended by a host of dignitaries and eminent alumni, including members of the Presidency Mentor Group. The Hon'ble Vice Chancellor, Professor Malabika Sarkar, congratulated the students on their success and on their being part of this important event for Presidency University.

Orientation of the First Semester of Post Graduate Courses: The first semester of post-graduate classes of the University for the academic session 2013-14 was formally inaugurated on 29th August 2013. Hon'ble Vice Chancellor, Professor Malabika Sarkar, welcomed the first semester postgraduate students of the University. The Dean of Students, the registrar, the controller of examination; and the Heads and other faculty members of different departments were present at the orientation programme.

Signing of the MoU with University of Groningen, Netherlands: On 27th November 2013, a top delegation from the University of Groningen, the Netherlands, including their President, Professor Sibrandes Poppema, visited Presidency University, Kolkata, to meet the Vice-Chancellor, Professor Malabika Sarkar and the members of faculty. The two Universities signed a Memorandum of Understanding (MoU) for a commitment towards future programme of academic collaboration, and exchange of students and faculty across all departments of the University. The visiting team met a small number of academics from the University for focused discussions on research and teaching. Teams from the two universities also met key members of industry in the state.

University Sports: Annual sports and athletic meet of the University was held on 9th and 10th December 2013. Eminent footballer and Padmasri Sri P K Banerjee has been the chief guest. Students and staff of the University have actively and enthusiastically participated in various track and field events.

New canteen: A new canteen, *Eighty Six*, run by IRCTC, has been set up at the gymnasium building. It was inaugurated by our Hon'ble Vice-Chancellor Professor Malabika Sarkar on 13th December 2013. The gymnasium has been partly relocated to the Girls' Common Room and Girls' Hostel, and partly to a room behind the Badminton court.

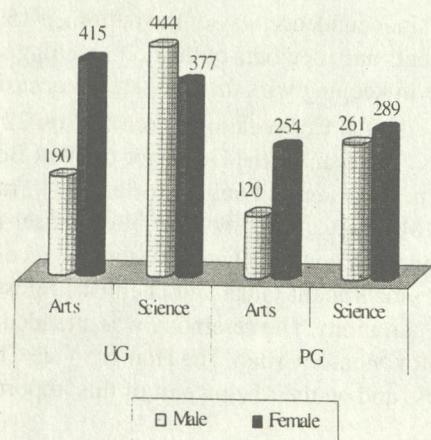
Presidency University Lecture Series: From 13th to 15th December, 2013, Presidency University has hosted public lectures on the sciences and across a wide spectrum of disciplines from all across India and around the world. Thirteen eminent speakers including D.D. Sharma, I.B. Singh, Goutam Basu, Joydeb Chakrabarty, Pathik Guha, Sudipta Sengupta, Swagata Dasgupta, S.D. Sharma, S. Prabhu, S.R. Das, Vladimir Voevodsky, V.S. Sunder and Yuri Menin illuminated near about 550 participants through their thought provoking lectures. The programme had two international webcasts from the newly set up e-classroom at the University. Each webcast had more than 250 live viewers.

FAEA National Workshop: The weeklong National Workshop of the Foundation for Academic Excellence and Access was held from from 22-29 December 2013 in the Acharya J. C. Bose Auditorium. Sixty two (13 Girls and 49 boys) FAEA scholars drawn from different parts of the country participated in this Workshop. The Workshop was inaugurated by Prof Malabika Sarkar, Vice-Chancellor, Presidency University. Prof V R Mehta, Member Secretary, FAEA and former Vice-Chancellor, Delhi University graced the occasion.

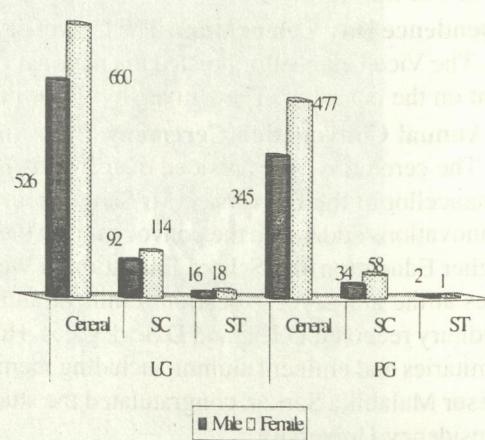
Student Strength of the University

The total student strength of the University is 2,340. Of them 1,335 are females and 1,015 are males. The detailed break up according to stream and social identity is provided in the following figures.

MALE AND FEMALE STUDENTS-2012



GENERAL, SC & ST STUDENTS, 2012



Medal Winners in 1st Convocation, 2013

		Name of the Student
1	First in M.A (Bengali) 2013	Aditi Banerjee
2	First in M.A (English) 2013	Uditi Chakraborty
3	First in M.A (Hindi) 2013	Kirit Deb Nath
4	First in M.A (History) 2013	Debdatta Banerjee
5	First in M.A (Philosophy) 2013	Rimi Dey
6	First in M.A (Political Science) 2013	Sreya Chatterjee
7	First in M.A (Sociology) 2013	Utsaleena Das
8	First in M.Sc (Applied Economics) 2013	Dhara R Desai
9	First in M.Sc (Applied Geology) 2013	Sanchari Mukherjee
10	First in M.Sc (Biotechnology) 2013	Poulami Tapadar
11	First in M.Sc (Botany) 2013	Samapika Nandy
12	First in M.Sc (Chemistry) 2013	Sudipta Bera
13	First in M.Sc (Env. System Mgmt.) 2013	Jesmin Ray
14	First in M.Sc (Geography) 2013	Shaswata Pandey
15	First in M.Sc (Human Physiology) 2013	Sonali Ghosh
16	First in M.Sc (Mathematics) 2013	Dipanwita Mitra
17	First in M.Sc (Mol. Bio. & Genetics) 2013	Aritrika Das
18	First in M.Sc (Physics) 2013	Debottam Maiti
19	First in M.Sc (Statistics) 2013	Tanmoy Jana
20	First in M.Sc (Zoology) 2013	Writuparna Dutta

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Controller of Examinations	:	Dr. Debajyoti Konar
Staff	:	Khwaja Moinul Haque (upto 20/09/2013), Shyamal Kr. Ghosh (from 06/09/2013), Arup Kr. Ghosh (06/09/2013)
Support Staff	:	Sisir Singha Subal Ch. Dey

ACTIVITIES OF THE OFFICE OF THE CONTROLLER OF EXAMINATIONS

1. Planning of Examination related Semester wise Activity Calendar. Issue of all type of notification/circular etc. related to examination and preparation of detailed schedule of Examinations.
2. Computerized generation of various appointment letters related to examinations under the signature of the Controller of Examinations.
3. Planning of meeting of Departmental Examination Committee for the purpose of Moderation. Arrangement of printing of all Question papers and sending the same to the examination venue in sealed envelopes.
4. Computerized processing of application forms and issue admit cards to the eligible candidates.
5. Make such other arrangements as may be required for smooth conduct of examinations.
6. Compilation of marks received from the departments in a computerized system to prepare the Tabulation Rolls and to publish the results.
7. Issue mark sheets to the candidates after publication of result.
8. Arrange for re-examination/review of answer scripts and revised mark sheet.
9. Prepare Degree Certificates for endorsement by the Vice Chancellor & to prepare Merit Certificates for issuance during University Convocation.
10. Issue such other certificates (Academic Transcripts, Provisional Certificates etc.) as may be required from time to time to the candidates against requisite fees.

From 2012 onwards, results of all examinations have been published within seventeen days and e-Grade Cards are made available immediately. Around 90% of the students who received their degree at this convocation, have secured First Class Equivalent Grade Point.

The Academic Transcripts and other consignments are normally issued within three working days.

Students' affairs

Placement : This year the placement situation of the University was excellent to say the least. Large number of students was recruited from both Sciences and Arts & Humanities. Big companies visited Presidency Campus such as Tranzlease holding (I) Pvt.Ltd, Odessa technology Pvt.Ltd, Wipro Ltd, Bridgei2i, HSBC Bank Ltd, Tyagi Corporation, E&Y, Schlumberger to recruit students. Total number of recruitment in the year 2013-2014 was 35. The success rate, in terms of jobs offered, is way above 70% and the highest package offered is 24 lakhs/per annum

Internship: State Bank of India: SBI offered internship to 95 students from both Arts and Humanities and Sciences for 2 months offering a stipend of Rs. 8000/- in local branches and Rs. 15000/- in national Branches.

Schlumberger appointed 1 as trainee officer and 2 candidates for Summer Internship from Geology department.

Pre- Placement Seminars: Faculty from Indian School of Business Studies visited campus for a seminar regarding Young Leadership programme in ISB.

Faculty from Teach for India visited campus for a seminar regarding the opportunity & scope of jobs & internship.

UPOCOMING PLACEMENTS IN 2014:

- **Calcutta Electric Supply Corporation Ltd.(CESC)** would be visiting Presidency Campus in the 2nd week of January, 2014 for recruiting students from Arts & Humanities. The package they will be offering is 6.78 lacs p.a. in Kolkata.
- **Viacom-18** would be visiting Presidency Campus in the month of January 2014, for recruiting students from Arts & humanities Background. The package they will be offering is 3-4.5 lacs p.a.
- **Zomato Media Pvt.Ltd** would be visiting Presidency Campus in the month of January, 2014 for recruiting students from all streams. They are offering a package of Rs. 5.75 lacs p.a.

Other Activities

- **Sahara India Parivar Award** won by our students for Best Performance and Best drama in the category of OneActDrama. It was a national level Competition.
- One of our student was awarded the **News Maker Award** by '24Ghanta' (A leading news channel) for his outstanding achievement.

DEBATES:

Derozio Memorial Debate:

- One of the major events of the University **Derozio Memorial Debate** was sponsored by Google India Limited in 2013-14. For the first time in Eastern India Google sponsored a debate in an academic institution.
- **Fresher's Debate** was successfully arranged and executed.
- **Uddyan Mukherjee Debate** was successfully arranged and executed.

Professional Training

A three month Professional English speaking course was conducted by the **British Council** in 2012-13. After completion of the course certificates were given to the successful candidates.

A French Class offered by Alliance **Française De Bengale** was conducted on campus. They shall be offering more courses in the coming years.

German & Japanese language classes shall start soon.

A Positive Living Course

A positive living course for students was conducted on campus which taught Karate and Yoga to enhance the students' mental and physical strength.

Poor Student Fund:

Students with financial hardship were provided financial help from the University Poor Students' Fund. The details are as below.

Stream	Undergraduate	Postgraduate
Humanities and Social Sciences	3	3
Science	1	6
	4	9

Five students are enjoying 'Happy Calcuttans' Scholarship sponsored by the Happy Calcuttans' Trust.

65 students are receiving Merit cum Means Scholarship provided by the State Government.

175th Anniversary Girls' Hostel: Vertical extension of the existing hostel building has already been started, 2nd floor work is almost complete. It will provide more accommodation in near future. A new kitchen has been set-up for the boarders with diesel oven facility.

Both the Girls' and Boys' hostels have new Superintendent now. Dr. Puja Roy of Biological Sciences and Pravesh Tamang— faculty member from the department of Economics are executing these responsibilities.

Games & Sports: The games and sports section of the University has been tireless in its effort to instill awareness in the students the importance of physical activities along with academics. Badminton Championship 2013 was held in the month of January, 2013. The winner of men singles winner was Sujoy Saha of UG- 1, Physics and of winner of women singles was Kamaya Dutta of UG-3, Geography.

The past & Present Badminton championship was held on 3rd, 4th and 5th of June 2013.

The **Presidency University Football League (PUFL)** was successfully held on 13th of September, 2013.

The 4th Annual Athletic Meet of Presidency University was held on 9th & 10th of December, 2013, and was a very successful event. The inaugural and closing sessions of the games were presided over by the Hon'ble Vice Chancellor Professor Malabika Sarkar. Sri P.K. Banerjee, Olympian Footballer was the Guest of Honour during the Inaugural Session. Events were organized to ensure participation of all sections of the University viz. students, teachers and other staff members. Jigme Namgyal Bhutia became the Individual Boys Champion and Debamita Chatterjee became the Individual Girls Champion.

Department of ICT

Introduction:

The Journey of E-Campus Network Program was initiated in the Year 2005 with the help of MPLAD fund received from distinguish alumnus Dr. Bimal Jalan, Ex Governor of Reserve Bank of India. The overall aim was to establish Presidency University (formally Presidency College) as an all-round point of Excellence using state-of-the-art modular and scalable technology that could not only meet present needs but also future of a highly secured, cost-effective, and would be a pioneering model amongst Indian educational institutions. The University authority with a view to utilize the information technology in a more effective way established the Department of Information and Communication Technology, and a post of Senior System Analyst was created.

Achievements:

- 1) Implemented National Knowledge Network (NKN) Connectivity as Primary Link (1 Gbps) at Presidency University.
- 2) Migrate the old network with proper Link Load Balancing with Active-Active mode with Tata Communication Limited (TCL) as backup Link (14 Mbps).
- 3) Strategic deployment of Centralized Firewall system to prevent internal network from outside attack. It also provides multiple software blade architecture such as Antivirus, Antibot, Antimalware, Identify awareness; IPS; IDS; DLP; Firewall; etc.
- 4) Redundant connectivity between the various departments as well as building which is further extendable and scalable.
- 5) Migrating Fiber Optic Cable (FOC) from 1G to 10G backbone network for better lighting speed of Data, Voice and Video network.

- 6) Configured Core, Distribution and Access layered architecture network design. Underground FOC Multimode Cabling to connect backbone of various departments. Here VLAN configuration and Inter VLAN routing also been successfully done.
- 7) A Newly constructed E-Classroom at Central Library Building to meet Virtual learning solution where students can participate a delivered talk given from remote location from anywhere in India and abroad.
- 8) Implemented and successfully deployed Google APPS for education at Presidency University.
- 9) Providing and maintaining Institutional Mail server where each faculty, officer and staff get 25GB space in Google Docs. Mails are properly scanned with POSTINI service to prevent virus and other malicious activities.
- 10) Faculties and Students are already getting Online Journals and E-books through Presidency University's high speed Network.
- 11) Successful deployment of Wireless Campus at Presidency University where Officers, Faculties, Students, Research -scholars, Guests can connect high speed unlimited wireless connectivity through RADIUS authentication system. Approximate 1000+ students already enroll their names for access wireless connectivity.
- 12) A New Data Centre (E-HUB) has been set up at Baker Building Ground Floor. ICT department is already working to move network from old Server room to New Data Centre. Precision control air condition, UPS backup, Fire detection with prevention system, IP base surveillance camera, anti static flooring all are successfully deployed to run the total IT infrastructure by 24*7 with 365 days. Our ultimate vision is to run this indigenous system with Zero downtime.
- 13) ICT department already setup its indigenous Website development activities such as further E-content development, designing and maintaining Web portal. Faculties and Officers are already updating their E-content pages by customized independent layout with the help of secure management platform.
- 14) ICT department also supports end user connectivity, Development of Lab infrastructure with proper bandwidth load balancing, Servers & Workstations deployment, Video Conferencing, Desktop support, Library automation and all others related IT activity.

Future Development Plan:

- 1) Shifting Server Room from Derozio Building to Baker Building Ground Floor.
- 2) Phase wise replace old L2 & L3 Switches so that we can move to 1G to 10G back-bone connectivity where user will get 1G High speed connectivity.
- 3) Our vision is to implement IP TELEPHONY with IVR System in existing Network. Each departments and administrative offices will connect through IP PHONES which will also meet extendable to connect 2nd Campus Presidency University. There will be no call charges involvement between two Campuses.
- 4) Implementation of E-Governance System with Students life cycle management, Work flow management, File management, Finance, Payroll management, Asset management etc.
- 5) Deployment of New Servers such as WEB, DNS, PROXY, AD, LIBSYS, E-GOVERNANCE, DATABASE, IPTELEPHONY with Virtualized Environment.
- 6) Construct two more E-Class Rooms at Presidency University.
- 7) Microsoft Campus Agreement
- 8) Deployment of High Performance Computation (HPC) for Faculties for their Research purpose.
- 9) Deploy Computer Information Kiosks at Presidency University.
- 10) Providing Remote Access VPN connectivity to all faculties to avail seamless secure connectivity to access E-journals and E-books from outside Presidency University network.

Staff:

Mr. Debapratim Mishra(Senior System Analyst & NKN Nodal Officer)
Mr. Sanjib Chatterjee(Web Master)
Mr. Soumya Pakrashi(Assistant to the Senior System Analyst)

Presidency Choir

Presidency Choir remains the common cultural platform of the students and teachers of Presidency University. It has been growing to new heights of achievements ever since its inception with the constant encouragement of the authorities and the guidance of the faculty.

On 196th Founder's Day the Choir presented the songs *Aji Gayo Mahageet* (to celebrate the 150th Birth Anniversary of Dwijendralal Roy) and *Tomar Surer Dhara* as the opening and closing song respectively. A total of 13 students-participants (out-going UG and PG students) received certificates. A dance-drama, named '*Tomar Viswanacher Dolay Dolay*' based on the script of Bidisha Das (UG student of English Department) and Sandipan Mitra (UG student of Sociology Department) was staged by numerous present and a few ex-students. Senior students directed the vocals and choreographed the dances. Smt. Soma Basu, the then convener of the Choir, was in charge of overall direction and coordination. Each department was involved in the programme and it would not have been possible without the cooperation and support of Smt. Sulata Kundu Khan of the Science Library who have rendered invaluable assistance.

On 8 July 2013 the Choir sang *Ei Lovinu Sanga Tobo* at the UG orientation ceremony. On 15 August 2013 the Choir presented the patriotic Rabindrasangeet *Aji Bangla Desher Hriday Hote* along with the National Anthem. On 22 August 2013 the Choir presented the song *Sangachadwang* and the National Anthem at the first Convocation Ceremony of Presidency University. On 29 August 2013 the Choir sang the song *Ei Akashe Amar Mukti* at the PG orientation ceremony. Dr. Shaon Nandi, the new teacher-in-charge of the Choir initiated these programmes with the help of Smt. Soma Basu, Prof. Nirmalya Guha, Prof. Debrani Mitra, Prof. Mostak Ahamed, Smt. Saranya Mukherjee and Prof. Sugopa Sengupta.

In the last few years there has been a significant increase in the number of members of the Choir and *regular* rehearsals are needed to be arranged throughout the year. Unfortunately till date the Choir does not have any rehearsal room of its own. Most of the musical instruments of the Choir are out of order. Last year the Choir bought new Sashes and few instruments. Also, during last year some of the newly appointed young enthusiastic faculty members took charge of the Choir which added impetus to its activities.

From 2005 Presidency College has been distributing certificates to the successful performers of the Choir. The following are the recipients of the certificates for this year:

Undergraduates

Names	Department
Ayantika Dasgupta	Bengali
Bidisha Biswas	Bengali
Debayan Rakshit	Bengali
Debosmita De	Bengali
Priya Samanta	Bengali
Ranita Chatterjee	Bengali
Ranjan Kumar Bhowmick	Bengali
Souvik Mukherjee	Bengali
Subhankar Banerjee	Bengali
Sumita Bhattacharya	Bengali
Vivaswan Dutta	Bengali
Lucky Sarkar	Botany
Swati Halder	Botany
Debamudra Guha	Economics
Bidisha Das	English
Maitree Deb	English
Dharitri Ganguly	Geography
Ipshita Chandra	Geography
Pooloma Ghosh	Geography
Rakesh Choudhury	Geography
Sudeshna Roy	Geography
Torsha Sengupta	Geology
Jayjayanti Banerjee	History

Names	Department
Samragni	History
Ankan Dutta	Mathematics
Siddheswar Saha	Mathematics
Ashabari Majumder	Physics
Bagisha Maitra	Physiology
Chogyal Dupka	Physiology
Manisha Das	Physiology
Pallavi Roy Chowdhury	Physiology
Payel Das	Physiology
Pallama Ghosh	Political Science
Sampriti Ghosh	Political Science
Shreyasi Biswas	Political Science
Sounita Mukherjee	Political Science
Ananya Mukherjee	Sociology
Priya Bose	Sociology
Sananda Bhattacharya	Sociology
Sandipan Mitra	Sociology
Esha Pandit	Zoology
Pritha Kundu	Zoology
Postgraduates	
Names	Department
Agnita Roy	Mol. Bio & Genetics
Priyanka Basu	Mol. Bio & Genetics

Foundation for Academic Excellence and Access (FAEA)

The National Workshop under the aegis of FAEA was organized by the Presidency University from 22–29 December 2013 in the Acharya J. C. Bose Auditorium of the University. Sixty two (13 Girls and 49 boys) FAEA scholars drawn from different parts of the country participated in this Workshop. The Workshop was inaugurated by Prof Malabika Sarkar, Vice-Chancellor, Presidency University and was graced by Prof V R Mehta, Member Secretary, FAEA and former Vice-Chancellor, Delhi University, Prof Sakti Pada Bhattacharjya, former Director, Institute of English, Kolkata, Sri Monimay Dasgupta, Associate Vice President, TCS, Prof Prabir Dasgupta, Registrar, Presidency University, Prof K K Panda, Member FAEA, New Delhi, Prof Debdas Ray, Asutosh College, Kolkata , Prof Sunil Chandra Sarkar, Vidyasagar Evening College, Kolkata and Mr K. Subhas, FAEA, New Delhi. The participants had exposures through lectures, discussions, etc. on a wide diversity of areas affecting different fields of human activities. A visit to Ramakrishna Vivekananda Mission and Gandhi Memorial Museum, Barrackpore, Kolkata coupled with some lecture demonstrations enriched the variety of the Workshop. There were several experts and practitioners who had good interactive sessions with the participants. Some of the faculty members, university officials, staff and students also took leading roles in shaping the Workshop. In particular Prof Sakti Pada Bhattacharjya took part actively throughout the Workshop. The members of the organizing committee particularly Gour Gopal Ray (Mathematics), Devasish Sen (Physiology), Jaydip Mukherjee (Geology), Madhubrata Choudhury (Botany) and Syamal Kumar Basak (Mathematics) put in their earlier experiences with FAEA programmes so that this Workshop could be steered effectively. Somehow or the other, the brunt of the work on organizing the Workshop was shared by the Department of Mathematics of the University.

Seeking feedback and inputs from the participants formed an integral part of the programme of the Workshop. Such sessions were accompanied by cultural programmes in some of which students of the University could show their mettle.

The valedictory session was addressed by Prof Prabir Dasgupta, Registrar, Presidency University. The distinguished guests were Prof Dilip Kumar Sinha, former Vice-Chancellor, Visva Bharati, Prof Subhas Chandra

Basak, University of Minnesota Duluth, Prof Rahul Mukherjee, IIM, Kolkata, Prof Ajay Krishna Mandal, Diamond Harbour Fakir Chand College, Sri Chanchal De, General Manager, Emami Group, Kolkata and Sri Debabrata Ghosh, Advocate and Prof Sakti Pada Bhattacharjya.

In sum the Workshop came out to be a success in terms of fulfillment of the wider aims and objectives of FAEA.

Eden Hindu Hostel

The Eden Hindu Hostel has completed 128 years. The five wards accommodate about 278 boarders including undergraduate, postgraduate and research students. The students are from all religions and casts and share a common platform without any discrimination. The ward number six is going to be converted into University Guest House. The dining hall of the hostel located in the ground floor of that building is being relocated in the common room located at the south-western corner of the playground.

The boarders are doing well in academic and extra academic fields as usual. Boarders actively participate in games and sports. They also organize different cultural programmes during Saraswati Puja, Freshers' Welcome, Farewell and Reunion. The library of the hostel is under thorough renovation. The hostel mess is being run very satisfactorily by the boarders.

Boarders are deeply concerned and actively involved in the overall betterment of hostel.

175th Anniversary Presidency University Girls' hostel, Salt Lake City, Kolkata

Beyond bed n books, hostel life grows up...Hostel life is always a fun leaving you with crazy memories to be remembered for years....

Established in 1996, Presidency University Girls' Hostel is a home away from home for girls coming to study at the university from different parts of the country. Hostel accommodation and facilities are provided at a very affordable cost to ninety-five students including graduate and post-graduate students. The hostel is run by a team of hard working employees appointed by the university. The boarders have their own voluntary cultural committee working in coordination with the administration. They organises various hostel events and help in improving everyday life of the boarders. This year they actively participate in organising various activities throughout the year from listing their food menu to Freshers' welcome and Saraswati Puja. University constantly strives to improve the facilities to provide quality living in a homely atmosphere, maintaining high standard of conduct, cleanliness, sanitation and comfort.

Facilities at a glance:

- Well equipped library
- TV room
- Gymnasium
- Communal refrigerator
- 24 hours water and electricity
- Bus service between the hostel and the university
- Kitchen and dining hall
- Messing system to provide food for morning breakfast, lunch, evening refreshment and dinner consisting of homely vegetarian and non-vegetarian food.
- Well equipped sick room, doctor on-call facility and tie-up with multi-speciality hospital for emergencies.
- Residential flats for superintendent and warden in the hostel complex to enable proper monitoring of the hostel.

Staff members:

- Dr. Puja Ray (Superintendent)
- Mrs. Tinku Raha (Assistant Superintendent)
- Mrs. Sikha Dasgupta (Matron)
- Mrs. Rita Goswami (Cook)
- Ms. Rekha Ghosh (Assistant Cook)
- Ms. Chhaya Kanjilal (Kitchen Assistant)
- Ms. Depali Banerjee (Kitchen Helper Assistant)
- Sri Arabinda Samal (Contractual cook)

- Sri Gouranga Dey (Contractual cook)
- Mrs. Bharati Pathak (Contractual kitchen helper)
- Mr. Sadananda Guchhayat (Sweeper)
- Mr. Bikram Show (Sweeper)
- Mrs. Kamala Hela (Sweeper)

Presidency Alumni Association Report

Presidency Alumni Association Calcutta (formerly, Presidency College Alumni Association Calcutta) is the official alumni association of the University with its office situated within the main building. The association has more than 4000 registered members as of December, 2013. All programmes of the association are announced through its website: www.presidencyalumnical.com. The activities of the association during the calendar year 2013 are highlighted below:

1. Change of Name and constitution

Alumni Association has officially changed its constitution to allow, *inter alia*, membership of university students, teachers and scholars. The association will be called as Presidency Alumni Association Calcutta in English and *Presidency Praktoni Sansad* in Bengali. The amended constitution is available in the website where new facilities like online membership, registered membership for updating addresses etc. are now available. In the AGM dated 27 July, 2013, the same was announced.

2. Assistance to College: Endowments and Donations

The following endowments have been continued. Sm. Dalia Datta has donated Rs. 1.00,000 in memory of her father Satyabrata Ghosh, from which two prizes will be given to students who score the maximum marks in Physics (Part II) and Physics (Part III) examination, respectively. Shri Gopendra Nath Roy has donated Rs. 30,000 in memory of his father Balai Charan Roy, from which one prize will go to the student who scores the maximum marks in M.Sc. Physics. Dr. Sisir Kumar Mazumder has created an endowment of Rs.1,00,000 for oration on Science and Humanities. Presidency Alumni Trust has been created for supporting various development of the university and providing scholarships to the university toppers.

3. Publication

On the occasion of the Founders' Day celebration, the 41st volume of the *Autumn Annual*, under the Chief-Editorship of Sm Nabaneeta DevSen and the Editorship of Shri Shyama Prasad Mukherjee, was released on 20 January, 2013.

4. Past vs Present Cricket Match

The Annual Cricket Match between the past and present students was held at the College ground on 19 January, 2013. The present students won the match. Shri Bivas Chaudhuri, Secretary, Alumni association distributed the trophies.

5. Founders' day celebration and Re-union Tea

The Founders' Day of the university and Reunion for the year 2013 were celebrated on 20 January 2013. Shri Sankha Ghosh was the President and Shri Subir Dutta acted as the Chief Guest in the function. The classical music by Shri Sugata Marjit was an added attraction. The Alumni Association organized a Reunion Tea on the university lawn.

6. Steamer Party

On 27 January, 2013, a steamer party was organized on the Hooghly River on the specially chartered 'Mayurpankhi Nao'. The alumni, their family members and friends thoroughly enjoyed the trip.

7. Installation of Bust of Swami Vivekananda

The Alumni association has donated a marble bust of Swami Vivekananda [alumnus 1881-1881] as a part of

celebration of sesquicentenary birth anniversary of Swamiji. In a joint function with the University, the bust was unveiled by Swami Prabhānandaji Maharaj, Vice-President of R K Mission and Belur Math on 23 June, 2013. Shri Sugata Marjit presented classical music in the function held at AJC Bose auditorium. Smt Krishan Bose, Shri Sugata Bose, Smt Malabika Sarkar were also present among other dignitaries. Association thanks Smt Swarupa Chatterjee (alumnus) and Shri Soumyen Chatterjee for providing financial support.

8. Academic Seminar

A seminar lecture was organized in association with the Physics department where Prof. Bikas Chandra Sinha delivered a lecture to the present students on 14 August, 2013 at PLT-1. The programme was supported by Dr. Sisir Kumar Mazumder endowment fund. To commemorate the bi-centenary birth anniversary of Rev Krishnamohan Bandipadhyay, alumnus, a programme was organised jointly with the Sociology and Bengali Departments on 1 October, 2013 at AJC Bose Auditorium of the University where a panel discussion on the subject- 'Is Derozio still relevant in Presidency?' was held where Prof Amal Mukhopadhyay, Prof Rajat Kanta Roy, Shri Chittabrata, Shri Sandipan Mitra and Smt. Anamitraa Chakrabarty spoke on the subject. A skit based on the novel- 'Persecuted', written by Rev. Bandopadhyay, was staged by the present students of the above departments. Shri Saktipada Bhattacharyya introduced the novel to the audience.

9. Bijoya Sammilani

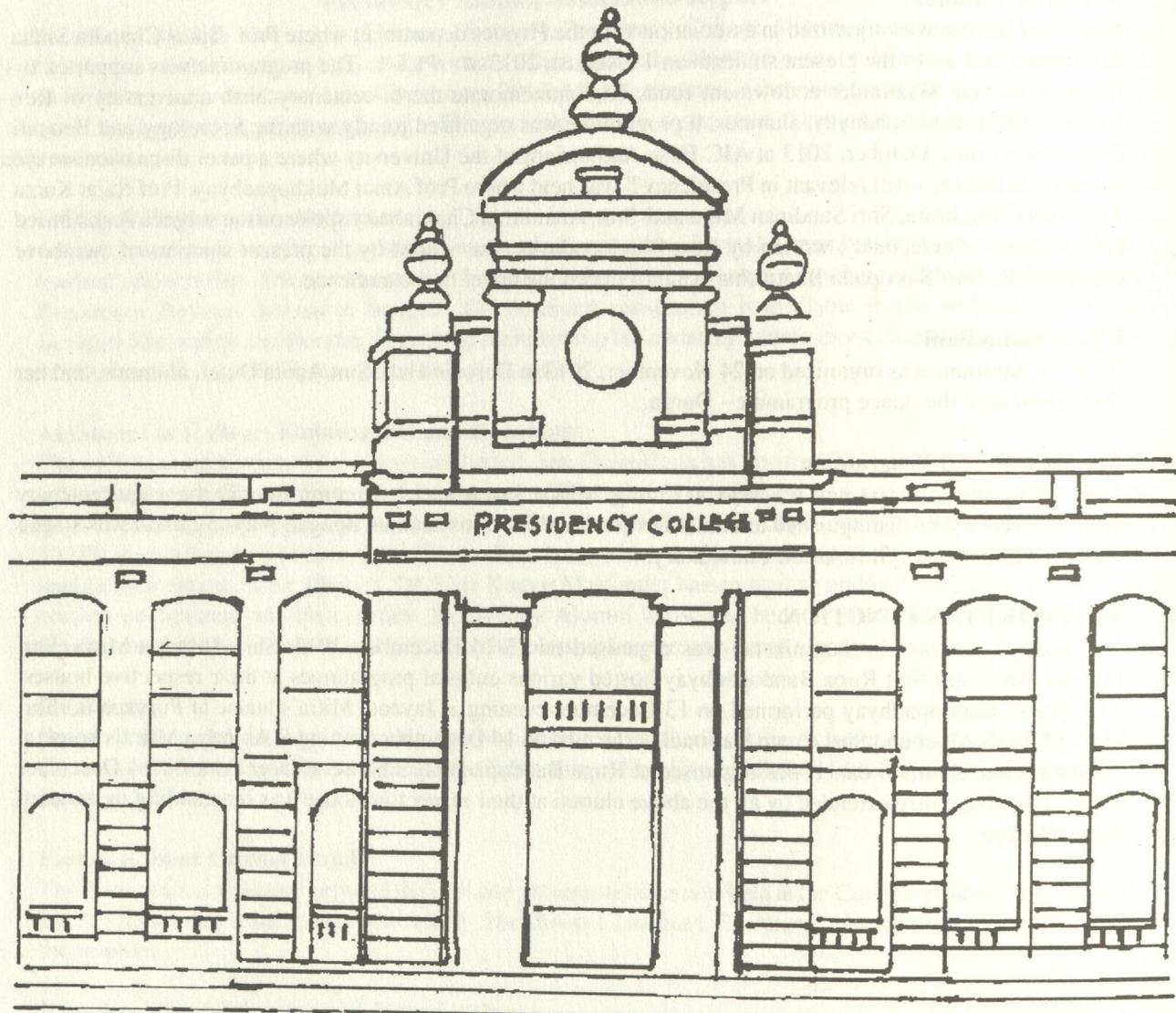
Bijoya Sammilani was organized on 24 November, 2013 at Derozio Hall. Smt Amita Dutta, alumnus, and her troop presented the dance programme - Durga.

10. Annual Cultural Programme

The annual cultural programme was held on 13 July, 2013 at Sisir Mancha. To commemorate the sesquicentenary birth anniversary of distinguished alumnus Dwijendralal Roy, his famous Bengali play- *Sajahan* was staged under the direction of Shri Ashok Chowdhury.

11. SANTINIKETAN FUNCTION

The cultural function in Santiniketan was organised on 13-14 December, 2013. Shri Anindya Mitra, Shri Jayanta Mitra and Smt Rupa Bandopadhyay hosted various cultural programmes at their respective houses. Smt Bratati Bandopadhyay performed on 13 December evening at Jayanta Mitra's house at Purvapalli, Shri Manoj Murali Aiyer and Shri Uttam Das baul performed on 14 December evening at Anindya Mitra's house at Ratanpalli and Santhali dance was organised at Rupa Bandopadhyay's house at Deer Park on 14 December noon. The hospitality extended by all the above alumni at their respective house was outstanding in standard and ambience.



Department of Bengali

News from the Department

Following the tradition of the previous years, this year also the Department of Bengali succeeded in maintaining its standard of excellence. Both the teachers and the students have been offering their best to enrich the academic and cultural ambiance of the Department as well as the Institution. The challenge is huge; a new university, new syllabus and great public expectations are making our task challenging, but we are dedicated to excel in the field of teaching and learning. This year we have introduced our new syllabus for both undergraduate & post graduate courses; old syllabus for UG Semester 5&3 and PG semester 3 are also continuing.

This year, a Study Centre named '**Centre for Bangladesh Studies in Literature and Culture**' was initiated by the Department, in collaboration with the Department of Bangla, University of Dhaka, Bangladesh.

Performance of the students :

Basanta Utsav was organized by the Department on March 2013. This colourful cultural programme featured talented students of our Department with their bright performance of Music and Dance.

As previous years, *Agomani*, the Autumn festival, was organized by the Department on 3 October 2013 which was participated by the teachers and students from various Departments of the University.

Seminars organized in the Department –

Name of the Speaker	Institutional Address	Topic	Date
Prof Soharab Hossain, Prof. Asis Khastagir	Anandamohan College, Kolkata Kalinagar College	Bhasha Dibas	21.02.2013
Sri Harimadhab Mukhopadhyay	Tritirtha, Balurghat	Raktakarabi (Tagore) in Rajbanshi Language.	22.03.2013
Prof. Amal Mukhopadhyay Prof. Rajat Kanta Roy Prof. Cittabrata Palit Anamitraa Chakraborty Sandipan Mitra	Presidency College Presidency College Jadavpur University Presidency University Presidency University	Derozio and Derozian Culture	1.10.2013

List of Publication:

Research Papers :

Ahamed, M. (2013) Aamar Gitanjali: Anubad Chale Ratridin. Meghdut, May 2013, p. 1-2

Bhattacharyya, D. (2013) Satyajit Ray-er Galpa : Shisu Kishore Sahityabhabna; *Tabu ekalabya*, ISSN 0976-9463, Ed. Dipankar Mallick; February 2013, p 15 – 22.

Mandal, S.K. (2013) Sakta Padabali : Arya-Anarya Sanskritir Rupantar. In an edited book : Sakta Padabali: Chinta-Charchar Nanadik, Published by Akshar Prakashani, (1st Published 2013), Page Numbers : 155-161, 32 Bidon Row, August 2013, Kolkata :700006.W.B

Mandal, S.K.(2013) Rabindra-Kabyadarsha O Jibanananda : Swatantrer Anyotaro Dik. *Snatakottar Bangla Bibhagiyo Partrika* (A Research Journal), Vol.: XVII, October, 2013, Ranchi University, Ranchi, Jharkhand, India, p. 65-74.

Mandal, S.K.(2013) Kabya Bhabnay Bisnu Dey Ebang Jibanananda Das; *Journal Of The School Of Language*‘, Maulana Azad College, Kolkata : 700013, W.B, Page No. 95-103

■ Prasangiki '14

Nandi, S. (2013) Ekaler Bangla Kobita : Somoyer rekha chitre shabder bibartan; Balaka, ISSN -22309381, March, p-89-103

Nandi, S. (2013) Dwijendralaler 'Shajahan': Tothyo theke sotye uttoran; Onnyo Proma, Jan-March, p-51-61.

Nandi, S. (2013) Premendra Mitrer 'Jong': Somoyer garho arto-swar; Pratiti, September, p-73-76.

Nandi, S. (2013) Abantor smritir bhitor...; Kobi Sammelon, September, p-233-235.

Rakshit, M. (2013) Theatrer Arthoniti O Prasangik Kichu Katha, kukro Katha, Issue-4, pp. 47-49

Rakshit, M. (2013) Bimal kabitwa Ashe : Buddhijibi O Bangla Theatre bishayak Ekti Sandarvo, Anustup, Vol- 47, Issue- 4, pp. 554-589

Rakshit, M. (2013) Patha Natak Bishae Du-Char Katha, Korak, pp. 554-589

Rakshit, M. (2013) A discuss on the Philosophy of Communication through Public Stage! : A Study in 19th Century Bengali Theatre, Global Media Journal, Indian Edition, (University of Calcutta, Web Publication)

Rakshit, M. (2013) Alik Samrajya, S E W Journal, South Calcutta Society For Empowerment of Wemen, Vol 4, pp. 58-64

Rakshit, M. (2013) Birbaler Atmakatha O Prasangik Kichu Katha, Ekusher Charja, Vol 2, Issue 2, (in press)

a) Paper in Edited Volume :

Ahamed, M. and Das, A. (2013) Satabarshe Manto: Phire Dekha Phire Paoya. Sahitya Sangee, Kolkata, 156pp.

Rakshit, M. (2013) Saptakotir Varatvumi : Dwijendra Natake Hindu Musalman, *Dwijendra Smarak Grantha*, Dwijendra Smritirakshma Samiti, (in press)

Book :

Rakshit, M. (2013) *Theatre : Ekti Byeticromi Natyapakshik*. (Edited & Compilled), Dey's Publishing, Kolkata. Pp.265, ISBN No. 978-81-2951898-9

Book Review :

Mandal, S.K. (2013) A Critique on the book 'Charulatar Chithi' Deys Publishing, Kolkata, of Dr. Dipankar Bhattacharya. Published in *Sristir Ekush Satak*, Kolkata, Page No. 71-72.

Nandi, S. (2013). Jasimuddin Smritikatha, Arek Rakam, 1 May, p-49-52

Nandi, S. (2013). Jakhan Jekhane Thaki Bhule Thaki Purba Parichaye, Janmabij : Kathaye Kathaye, Ed. Somabratra sarkar & Rajdeep Ray, Japanchitra, July, p-30-38.

Nandi, S. (2013). Beje Otha Aloukik Piano, Dhrubo Sahitya Kahan, October, p-4-7.

Rakshit, M. (2013) Rabindranah : bahubarna dyuti, Arek Rakam, Vol -1. Issue-2, pp. 45-49

Rakshit, M. (2013) Himalayer Hatchani, Parampara, Vol-1, Issue-1, pp. 159-163

Rakshit, M. (2013) Gnapan O Goponer Prachhana Akhyan, Anustup, Vol-47, Issue-4, pp. 83-90

Rakshit, M. (2013) Bangla Theatre Bishayak Kichu Jaruri Bitarko O Ekti Grantha, Parampara, Vol-1, Issue-3, pp. 76-80

Drama Criticism :

Rakshit, M. (2013) Kalpoloker Jangal Mahal, (Criticize of Bahurupee's production 'Atmaghati') Parampara, Vol-1, Issue-3, pp. 96-101

Rakshit, M. (2013) Andhakarer Utsho Hote, (Criticize of Paik para Indraranga's production 'Niswanga Samrat') Parampara, Vol-1, Issue-4, pp. 76-85

Interview :

Rakshit, M. (2013) Nirbikar Ninapeksha Ek Gabeshak O Shrastha : Sudhir Chakraborty-r Shakhatkar, Parampara, Vol-1, Issue-3, pp. 93-114

Seminar Lecturer delivered/ chaired:

Ahamed, M. delivered a lecture titled 'Mantor Galpa: Narichetnar Anya Bhutan' on 21st January 2013, organized by the Department of Hindi, Presidency University and the UGC Centre for Advanced Study in Comparative Literature, Jadavpur University.

Ahamed, M. delivered a lecture titled 'Udasin Pathiker Moner Katha: Samay O Samaj' on 9th February 2013, organized by the Department of Bengali and English, Aliah University.

Ahamed, M. delivered a lecture titled 'Rahu Chandaler Harh: Prantajaner Atmaparichayer Larhai' on 6th March 2013, organized by the Department of Bengali, Rabindra Bharati University.

Bhattacharyya, D. Upendrakishorer boijnanik prabandha - in a National Seminar (UGC sponsored) titled 'Analokita Upendrakishore : Sardha-shatoborsher Aaloye' organised by Dhruba Chand Halder College, 24 Pgs (S) and Department of Bengali, Jadavpur University on 4 - 5 March 2013.

Bhattacharyya, D. Chaired a session of ' 6th Annual Debrupa Bal Memorial National Students' Seminar ' organised by The Department of Comparative Literature, Jadavpur University, on 13 March 2013.

Bhattacharyya, D. Delivered a lecture on 22 November 2013, titled 'Bangalir nijaswa sahitya-bhabana : sambhabona-sutra sandhan' in The Third International Congress of Bengal Studies 2013, Kolkata, organised by International Society of Bengal Studies, 19-22 November 2013.

Mandal, S.K. Attended International Seminar titled 'Bangla Sahitye Prantajan' and Presented a Paper titled 'Mangal Kabya : Prantajana katha', dated 6th March 2013 at Rabindra Bharati University, Kolkata : 700050

Mandal, S.K. Attended UGC sponsored National Seminar as a Resource Person on the subject of 'Rabindra Natak : Samakalin Bharat O Prachin Bharatio Oitihya' dated 8th March 2013, at Shyama Prasad College, Kolkata : 700026.

List of Teachers:

Debapriya Bhattacharyya, Head of the Department

Sandip Kumar Mandal

Shaon Nandi

Moloy Rakshit

Mostak Ahamed

Non-Teaching Staff:

Asutosh Choudhury (Contractual)

Department of English

News from the Department

This has been an exciting year for the Department of English, with pioneering conferences in emerging fields, revamped book collections in the departmental library, rigorous training of students in research methodologies, and remarkable co-curricular accomplishments by students.

We hosted visits by eminent academics like Professor Deirdre Coleman from Melbourne University. She delivered a talk on "Keats and the Vale of Tears" in November, 2013. She also mentored students about applying to universities abroad, mentioning Melbourne University's interest in recruiting students from Presidency for graduate studies in Australia. Dr. Jaydeep Sarangi (JCC College, University of Calcutta) delivered a special lecture on "New Trends in Dalit Literature- Bangla Dalit literature and the Dalit Discourse in India" in August, 2013. Following the first-ever Digital Humanities conference in India organised by us in 2012, the Department of English, Presidency University, organised the "Digital Humanities Workshop 2013: Remediating Texts and Contexts." This year, we had three eminent experts, Dr Elizabeth Losh (University of California, San Diego), Professor Amlan Dasgupta (Jadavpur University), and Dr Shiladitya Chaudhury (Auburn University, Alabama), presenting papers on a wide range of aspects in the emerging field.

In 2013, the first batch of students of Presidency University obtained their Masters degree in English, with nearly 63% making us proud by securing a First Class. Besides this, our body of talented and dynamic students excelled in a wide array of co-curricular activities. Subhrojoyti Mukherjee (UG I) and Sambuddha Roy (UG I) placed first and second, and Samriddhi Mukherjee (UG I) got a special mention, in the Presidency Literary Society's Microfiction Writing Contest. Sreya Mallika Datta (UG II) was one of the ten winners from India and the only

winning participant from Kolkata, receiving a cash prize of twenty thousand rupees, in the *INDIAFRICA: A Shared Future Essay Writing Competition* (2012-13). Sreya also received a special mention for being among the top six participants in the Creative Writing course conducted by the British Council. Debalina Das (UG I) secured the third position in *All Bengal Singing Competition "The Grand Finale"* organized by Blue Diamond Orchestra. The English Departmental Quiz Team ('Claymore'), consisting of Arpan Kumar Saha, Arijit Nandi and Sambuddha Roy, was placed fifth in the Fresher's Quiz organised by 'Presidency College Society for Acquisition of General Knowledge.' Presidency University was awarded the Best College Delegation at the Indian International Model United Nations (IIMUN), Kolkata chapter, where the conferences simulate UN committees. The University team included Srimati Ghosal, UGI, (United Nations Office on Drugs and Crime) and Saurya Sengupta, UG I, (Union of European Football Associations). Saurya Sengupta was awarded the Best Delegate (First) Prize. The team qualified for the Finals (August 2014) where it will be competing with international universities of repute such as Yale, Cornell, and Princeton. Saurya Sengupta (UG I) participated in Natyotshob 2013. Saurya was placed fourth in 100m at the 4th Annual Sports of Presidency University, and won the fourth prize in the Fresher's Debate of Presidency University Public Speaking Society. Sreya Mallika Datta (UG II) was selected for the prestigious Happy Calcuttans Scholarship by the 'Happy Calcuttans' trustee board, an alumni group of Presidency University. Ishika Ball acted in 'A Good Play' organised by MAD. Soutrik Dey (PG I) was a member of the University team that won first place in the *Jefferson Debates* organized by the American Center and the Institute of Leadership Entrepreneurship and Development. Soutrik Dey (PG I) placed second in the 'Just a Minute' and 'Statement of Purpose' competitions at Spring Fest (2013), the annual social and cultural fest of IIT Kharagpur. Soutrik Dey won the second prize at the Music-Entertainment-Literature-Arts Quiz, and Najrin Islam (UG II) was awarded 'Best Actress' in the One-act Play Competition, at *Carpe Diem* (2013), the annual cultural fest of IIM Calcutta. Soutrik Dey placed second in the 'Just a Minute' competition at *Outlawed* (2013), the annual social and cultural fest of West Bengal National University Of Juridical Sciences. Aditi Maiti (PG I) won the gold in long jump and in relay race at the University Sports. Sambuddha Sarkar (UG III) won the second place in badminton singles held at Presidency University and also at *Invicta* organised by NUJS. Sreya Mallika Datta (UG II) received a Silver Award in the Young Commonwealth Essay Competition 2013, organized by the Royal Commonwealth Society in association with Cambridge University Press.

VISITORS TO THE DEPARTMENT

Name of the Visitor	Institutional Address	Topic
Professor Deirdre Coleman	Melbourne University, Australia	"Keats and the Vale of Tears" (29 November, 2013)
Dr. Jaydeep Sarangi	JCC College, University of Calcutta	"New Trends in Dalit Literature- Bangla Dalit literature and the Dalit Discourse in India" (20 August, 2013)
Dr Elizabeth Losh,	University of California, San Diego	"Whose Digital Humanities? Activism, Hacktivism, Feminism, and Play" (2 September, 2013)
Dr. Shiladitya Chaudhury,	Auburn University, Alabama	"The role of multiple representations in building 21st century scientific literacy" (2 September, 2013)
Professor Amlan Das Gupta	Jadavpur University, Kolkata	"The Unfashionable Side: Music Archives and Digital Surrogacy" (2 September, 2013)

Other Academic activities:

Mahitosh Mandal was appointed an Honorary Fellow of the Tagore Foundation, New Delhi, in 2013.

Shuhita Bhattacharjee was selected as the Robert J. Platzman Fellow, 2013, by the University of Chicago.

Shuhita Bhattacharjee was selected for the Stanley Award in 2013-2014 by the University of Iowa.

Shuhita Bhattacharjee was awarded the Summer Research Fellowship by the University of Iowa in 2013.

Souvik Mukherjee served as an Advisory Member and as Visiting Lecturer on Jadavpur University's Digital Humanities Course.

Souvik Mukherjee served as the Jury Member at the Indie Games Panel, Nasscom Game Development Conference, Pune, 2013.

Suddhaseel Sen was offered a Research Visitorship (King's College, University of London, UK) for 2013-2014 for the Balzan Programme in Musicology, conducted by Reinhard Strohm, Professor (Emeritus) of Musicology, Oxford University.

List of Publication by the Teachers of the Department:

Paper in edited volume

Chakrabarti, S. (2013) Amitav Ghosh *qua* Storier-Historian: Some Thoughts on Nation and Race, In: Ghosh, T. and Bhattacharya, P. (Editors) *In Pursuit of Amitav Ghosh: Some Recent Readings*, New Delhi: Orient Blackswan, p 86-100.

Chakrabarti, S. (2013) 'Prime York hams in canvas just in time for the Poojah: Reading Empire, Empirical Reading,' In: Duyan, Efe (Editor) *Symbols in the History of Art and Culture*, Istanbul: Mimar Sinan Güzel Sanatlar Üniversitesi Yayınları, p 138-145.

Chakrabarti, S. (2013) Reclaiming Postcolonial Identity: Cultural History as Enunciation in the Writings of Homi Bhabha, In: Bartczak, Kacper and Myk, Małgorzata (Editors) *Theory That Matters: What Practice After Theory*, Newcastle, UK: Cambridge Scholars' Publishing, p 69-78.

Chakrabarti, S. (2013) Towards a Critique of Foundational Historiography: A Brief Look at Gerald Vizenor's Hiroshima Bugi, In: Luczak, E., Wierzchowska, J., and Ziarkowska, J. (Editors) *In Other Words: Dialogizing Postcoloniality, Race and Ethnicity*, Frankfurt am Main: Peter Lang, p 125-36.

Das, K. (2013) Fourth Person, In: Biswas, Monohar M. (Editor) *The Wheel Will Turn*, CyberWit Publications: Allahabad. (accepted)

Dutta, S. (2013) Teaching *Tess of the d'Urbervilles* in Kolkata. In: *Victorian Review* (Canada), Vol. 38: No. 1, p 29-33.

Dutta, S. (Autumn 2013) 'A long neglected Hardy poem raked up, The Thomas Hardy Journal (UK), Vol. XXIX, pp. 114-120.

Mandal, M. (2013) 'Sri Ramakrishna and the Concept of Truth, In: Roy, Swarup, et al. (Editors) *Sri Ramakrishna's Ideas and Our Times*, Belur Math, Howrah, p 353-360.

Mohan, A. (2013) Sri Lanka, In: Slovic, Scott (Editor) *World Literature Today*, Norman: University of Oklahoma Press. (accepted)

Ray, A. (2013) Sri Ramakrishna's Love for Visual Devotional Art, In: Roy, Swarup, et al. (Editors) *Sri Ramakrishna's Ideas and Our Times*, Belur Math, Howrah, p 361-368.

Book

Mohan, A. *Embracing Dilemma: Heterodoxy and Ethical Thought in Contemporary Literature and Film* (in press)

Banerjee, P. *Voices*. Eds. Paula Banerjee and Purna Banerjee, Mahanirban Calcutta Research Group (CRG), Kolkata, India (in press)

Kujawinska-Courtney, K., Penier, I., **Chakrabarti, S.** (2013) *The Post-Marked World: Theory and Practice in the 21st Century*. Eds. Newcastle, Cambridge Scholars Publishing.

Seminars/Lectures delivered/workshop attended as resource person by teachers:

Anirban Ray (February 2013) presented a paper entitled 'Egypt as the Locus of Myth, Science, and Fantasy in Satyajit Ray's Science Fiction' at the "First World Conference on 'Science Fiction Studies' in India" held at Yashwantrao Mohite College, Pune, on 1st and 2nd February, 2013.

Purna Banerjee (March 2013) presented a paper on 'Ways of Seeing: The Personal-Political Interstices of Autoethnographic Writing Instruction through Viewing Political Documentaries' at the Conference on College Composition and Communication, Las Vegas.

Shuhita Bhattacharjee (April 2013) participated and presented at the 2013 conference of the Midwest Victorian Studies Association held at Cleveland, Ohio, on *Victorian Belief/Victorian Doubt*.

Suddhaseel Sen (April 2013) presented a paper entitled 'Bankim Chandra Chatterjee's *Kapalakundala* in the Context

of World Literature,' at the 2013 Annual Meeting of the *American Comparative Literature Association* (ACLA), University of Toronto (Canada).

Souvik Mukherjee (April 2013) delivered a lecture on 'Videogames and Empire' at the Department of History, Presidency University.

Souvik Mukherjee (May 2013) delivered a lecture on 'The Roman Empire in Videogames' at the Indian Museum, Calcutta.

Shuhita Bhattacharjee (July 2013) gave a talk on researching Victorian Religious Narratives in the Archives at the Special Collections, University of Chicago.

Shuhita Bhattacharjee (July 2013) was selected to be a part of the Lumen Christi's Seminar at the University of Chicago on *Christianity, the Unity of Knowledge, and the Secularized Academy*.

Souvik Mukherjee (July 2013) presented on 'The (Non) Boundaries of Digital Humanities' at the *Digital Humanities In India Consultation* held at the Indian Institute of Sciences, Bangalore.

Souvik Mukherjee (August 2013) delivered the Keynote Lecture on 'Videogames and Storytelling' at the Khoj Artist's Workshop, New Delhi.

Souvik Mukherjee (October 2013) presented a paper on 'Videogames and Empire' at the *Philosophy of Computer Games Conference*, University of Bergen.

Suddhaseel Sen (October 2013) presented a paper entitled 'Challenging Stereotypes across Race and Religion: Ira Aldridge and Giuseppe Verdi as Interpreters of Shakespeare's Venetian Plays,' at Conference on Shakespeare in/and America, *Jadavpur University Society for American Studies* (JUSAS).

Suddhaseel Sen (October 2013) was invited to speak on 'Shakespeare and Verdi,' hosted by the School of Language and Linguistics, Renaissance Resouce Centre, and Department of English, Jadavpur University.

Shanta Dutta (November 2013) was invited to deliver a lecture on 'Education' at a seminar on 'Quality in Services: Initiatives for Improvement', jointly organized by the 'Indian Association for Productivity, Quality and Reliability' and the 'National Institute for Technical Teachers' Training and Research', to observe 'World Quality Day – 2013'.

Suddhaseel Sen (November 2013) presented a paper entitled 'Tracing Musical Cosmopolitanism in 20th-Century Bengal: The Case of 'Baajey Koruno Shurey',' at the 2013 Annual Meeting of the *Society for Ethnomusicology* (SEM), Indianapolis (USA).

Kalyan Das (December 2013) presented a paper on "Subaltern Historiography to Dalit Historiography- Tracing Heterogeneity in Dalit 'Subalternity'" at the *International Conference on Dalit Literature and Historiography* held at Jamia Millia Islamia, New Delhi.

Mahitosh Mandal (December 2013) presented a paper on 'Reading Vivekananda, Reading Postmodernism: Some Problems and Possibilities' in a one-day National Conference on *The Relevance of Vivekananda in the Postmodern World* at Vidyanagar College, University of Calcutta.

Staff List

Teaching

Shanta Dutta, Head of the Department

Purna Banerjee

Sumit Chakrabarti

Anupama Mohan

Souvik Mukherjee

Suddhaseel Sen

Shuhita Bhattacharjee

Kalyan Das

Mahitosh Mandal

Anirban Ray

Non-Teaching

Hanuman Prasad Dhuria

Guest Faculty

Chaitali Moitra (Guest Lecturer, St Paul's Cathedral Mission College)

Department of Hindi

News from the Department

A group of faculty members has joined the department of Hindi, Presidency University in the year 2013. Dr. Ved Raman Pandey, Dr. Mary Hansda, Dr. Anindya Gangopadhyay and Dr. Rishi Bhushan Choubey joined Hindi Department as Assistant Professor in July 2013. Dr. Jai Koushal joined as Assistant Professor in November, 2013.

The post graduate students did well in final examination. All students have passed the B.A. (Hons) Final year Examination. Students of Hindi Department performed good in different inter-college Cultural Meet & University Competitions. Hindi Department of Presidency University became champion in 'VIVIDHA', the inter-college competition held in July 2013 organized by St. Xavier's College, Kolkata. The team of Presidency University lead by Niraj Singh of UG 5th semester won 18 prizes in different events. Niraj Singh was also selected as the representative of West Bengal for 'New Writers' Conference' held in Rajasthan University in March, 2013. This Conference was organized by Central Hindi Directorate, Ministry of Human Resource Development, New Delhi. Rumi Singh of UG 5th semester got prize in Creative Writing Competition held in Moulana Abdul Kalam Azad college, Kolkata. Paromita Samaddar of PG 1st Semester and Rohit Kumar Shah of UG 1st semester got prizes in Inter-Departmental Competition of Creative Writing. Nidhi Mishra of UG 1st semester became champion of debate organized by ICON. Nidhi Mishra also became champion in Debate organized by 'Public Speaking Society' of Presidency University. The students of Hindi Department participated in the nineteenth Hindi Mela held in December, 2013 and won nine prizes in Recitation, Extempore and creative writing competitions. Niraj Singh became champion in panel discussion and the team of UG students led by Aradhana Shaw of UG 6th Semester became champion in Hindi quiz and Hindi Drama.

The Gandhi Center for North-Eastern Languages, Hindi Department translated hundred poems of Chandrakant Murasingh from Kokborak (tribal language of Tripura) to Hindi and published it as fifth series of Bharatiya Sahitya Granthmala.

Seminars organized by the Department and visitors to the Department :

The Hindi Department organized a seminar on 'Renaissance and Language Controversy' on 19th September, 2013 at Presidency University.

The Gandhi Center for North-Eastern Language, Hindi Department organized jointly with Center of Advanced Study, Comparative Literature Department of Jadavpur University an International Seminar on 'The Song of the Phynix : Remembering Saadat Hasan Manto' on 21st January, 2013 at Presidency University on the occasion of Birth Centenary of S. H. Manto, The students of Presidency University and Jadavpur University jointly presented play based on Manto's 'Siyah Hashiye'.

The Gandhi Center also organized two day International Seminar on the occasion of Birth Centenary of Ram Vilas Sharma jointly with Central Hindi Institute, Agra on 14th & 15th February, 2013 on the topic 'The Voice of Enlightenment : Remembering Ram Vilas Sharma' at Presidency University. Three Documentary Films on Ramvilas Sharma was also shown in this seminar.

The Gandhi Center has organized its first Mahatma Gandhi Memorial Lecture of the year on 'The Indian State and Communalism' on 30th August, 2013. Vibhuti Narayan Rai, the Vice Chancellor of Antrarashtriya ahatma Gandhi Hindi Vishvavidyalaya and eminent Hindi Novelist delivered the Lecture. The second Mahatma Gandhi Memorial Lecture of the year was on 'The Classical Ragas in Tagore's Songs of Season' on 6th September, 2013. Dr. Indrani Sen, an eminent exponent of Rabindrasangeet and Najrulgeeti delivered the Lecture. The third Mahatma Gandhi Memorial Lecture of the year was on 'Cinema of Bangladesh : A Different Trend' on 20th September, 2013. Tanvir Mokammel, Filmmaker and Director of Bangladesh Film Centre and Bangladesh Film Institute delivered the Lecture. The film 'Rabeya' directed by Tanvir Mokammel was also screened on this occasion.

NAME OF THE SPEAKER/VISITOR	INSTITUTIONAL ADDRESS	TOPIC
Prof. Harish Trivedi	Professor, English Department, Delhi University	Key Note address on Saadat Hasan Manto.
Prof. Abdul Bismillah	Professor, Hindi Department, Jamia Millia Islamia University, Delhi	Tragedy of Partition of India and Manto's Writings.
Prof . Arun Kamal	Professor, English Department, Patna University.	Partition Literature and Manto
Prof. Chandrakala Pandey	Professor, Hindi Department, Calcutta University	Hindi Literature and Manto
Dr. SuchetaBhattacharya	Associate Professor & Head, Comparative Literature Department, Jadavpur University	Relevance of Manto's Literature
Prof. Ipsita Chand	Professor, Comparative Literature Department, Jadavpur University.	Impact of Manto's Literature on Indian Literature
Prof. Kunal Chattopadhyay	Professor, Comparative Literature Department, Jadavpur University.	Different Aspects of Manto
Bilal Hashmi	Mc Craken Fellow,Comparative Literature Department, New York University, USA.	Pakistani Literature and Manto
Mostak Ahmad	Assistant Professor, Bengali Department, Presidency University.	Women Characters in Manto's Short Stories
Prof. Mohan	Director, Central Hindi Institute, Agra, Ministry of Human Resource, Govt. of India.	Key note address on Ram Vilas Sharma
Prof. Hideaki Ishida	Professor, Hindi Department, Daito Bunka University, Tokyo, Japan	Works on Translation and Ram Vilas Sharma,
Udayprakash	Eminent Hindi Writer	Ram Vilas Sharma and Hindi Literature
Dr. Vijay Mohan Sharma	Associate Professor, Bengali Department, Presidency University.	Films and Documentary on Ram Vilas Sharma
Prof. Damodar Mishra	Professor & Head,Hindi Department, Vidyasagar University	Translation of Literature and Ramvilas Sharma
Dr. Subhach Chandra Ray	Assistant Professor,Hindi Bhawan, Visva Bharati	Aspects of Criticism by Ram Vilas Sharma
Dr. Arjun Kumar	Assistant Professor,Hindi Bhawan, Visva Bharati	Tradition, Jatiyatavad and Ram Vilas Sharma
Dr. Sanjay Jaiswal	Assistant Professor, Hindi Department, Vidyasagar University	Poems of Ram Vilas Sharma
Dr. Bajrang Bihari Tiwari	Associate Professor, Department of Hindi, Deshbandhu College, New Delhi	Renaissance and Language Controversy
Dr. Farjana Siddika	Associate Professor, Bangla Department, Shahjalal University of Science and Technology, Sylhet, Bangladesh	The Role and Impact of Hindi on Social Life of Bangladesh
Prashant Kumar Mridha	Assistant Professor, Bangla Department, Biyanibazar Govt. College, Sylhet, Bangladesh	The Trends of Literature of Bangladesh after Liberation War
Prof. Kailash Devi Singh	Professor & Former Head, Hindi Department, Lukhnow University	Impact of Bhakti Sahitya of Hindi on Society.

3. Research Activities of the Department : Applied for Major Research Project and Minor Research Project of UGC.

List of Publications

Research Paper

Choubey, Rishi Bhushan, Hindi Navajagran Kal Mein Stree Chetna Ka Ubhar, The Discourse, Research Journal, ISSN-2278-0920, Issue-March-April 2013.

Choubey, Rishi Bhushan, Katha Sanrachana Aur Stree Drishti, World Translation, International Research Journal, vol-2, No-1, January-Junel 2013.

Choubey, Rishi Bhushan, Jansankhya Samashya Pahle Ek Stree Samashya Hain, Vartaman Sahitya, March 2013.

Choubey, Rishi Bhushan, Media Bazar Aur Stree, Hindi Bhasha Aur Sahitya : Ek Vividh Paridrishya (edited book), ISBN -978-93-81539-58-3, Manish Prakashan, Varanasi, 2013.

Choubey, Rishi Bhushan, Youn Hinsa aur Sahaj Manviya Youn Naitikta Ki Mang : Kathgulab, The Discourse, Research Journal, ISSN-2278-0920. Vol-2, Issue- 3-4, July-September and October-December 2013.

Gangopadhyay, Anindya, Ek Lokpriya Bharatiya Kathakar : Bimal Mitra, Nayi Dhara,, R.N.I. no. 3906/57, Patna, January 2013

Gangopadhyay, Anindya, Bestiary Beacon : Analyzing Allegorical Uses of Animals in Contemporary Hindi Poetry, Bhaber College Journal of Multidisciplinary Studies : A Special Issue on Animal Studies, ISSN 2249-3301, Dantan, December 2013

Majumdar Tanuja, Shishu Ravindranath, Ravindranath Thakur Ka Bal Sahitya, Devesh Devendra Kumar (editor), Vijaya Books, Delhi, 2013

Book

M. Balkumar, Editor, **Choubey, Rishi Bhushan** (editorial Member), Mulyankan Shabdawali Prabodhika, CIIL, MHRD, GOI, Mysore, ISBN -978-81-7343-126-5, 2013

M. Balkumar, Editor, **Choubey, Rishi Bhushan** (editorial Member), General Frame of Reference-Hindi, CIIL, MHRD, GOI, Mysore, ISBN -978-81-7342-102-1, 2013

M. Balkumar, Editor, **Choubey, Rishi Bhushan** (editorial Member), Suchna Yug mein Hindi Ka Adhyapan Evam Prikshan : Samashyayen Evam Paridrishya, CIIL, MHRD, GOI, Mysore, 2013

Gangopadhyay, Anindya, Aatikraman aur Kshitinbau Jase Kayee Charitra (edited), Aapne Aapne Agneya, ISBN978-93-80332-40-6, Manav Pakshan, Kolkata, June 2013

Kaushal Jai, Priya Pravas (Pratham Sarg) : Mool Patha evam Vivechan, Satish Book Depot, 51/2, New Market, Karol Bagh, Delhi-5, ISBN No. 978-93-81479-37-7, 2013

Kaushal Jai, Bharat Bharti (Vartman Khand) : Mool Patha evam Vivechan, Satish Book Depot, 51/2, New Market, Karol Bagh, Delhi-5, ISBN No. 978-93-81479-43-8, 2013

Majumdar Tanuja, Chandrakant Murasingh Ki Shreshtha Kavitayen (edited), Gandhi Center for North-Eastern Languages, Presidency University, Kolkata, 2013

Seminar Lectures Delivered / Workshop attended as Resource person by Teachers

Choubey, Rishi Bhushan presented a paper on 'Bhasha aur Sahitya Vishay ke Prashnon Ka Vishleshan in national conference on 'Teaching and Testing Hindi in Information Era : Problems and Perspectives' organized by National Testing Service-India & Kendriya Hindi Sansthan, Mysore on 15th and 16th March, 2013 at Mysore.

Choubey, Rishi Bhushan presented a paper on ' Bhojpuri Bolion Mein Hamari Pahchan Chupi Hai' in international Seminar organized by Jivnoday Samiti Gazipur, on 1st and 2nd September 2013 at Gazipur.

Choubey, Rishi Bhushan, presented a paper on ' Bharatiya Bhashayen Aapsi Samvad Ki Dishayen" in National Seminar on 'Bharatiya Sahitya – Antah Samvad' organized by Central University of Gujarat, on 4th and 5th October 2013 at Gandhinagar.

Kaushal Jai, presented paper in Two Day National Seminar on 'Higher Education: Past, Present and Future A Special Reference to North-East India', organized by Tripura University Employees' Association, Tripura University, Agartala. Topic: Tripura mein Uccha Siksha: Dasha evam Disha', 25-26th October, 2013.

Majumdar, Tanuja, delivered a Lecture as Chairperson in a session on 'Comparative Literature in Hindi ' in XIth

CLAI Biennial International Conference, 2013 on The Journey of Comparative Literature : India and Beyond organized by the Comparative Literature Association of India (CLAI) and Department of Comparative Literature, Jadavpur University , on 16th-18th January 2013 at Kolkata

Majumdar, Tanuja, participated as a resource person in two day National Workshop on 'Application on Gandhian Ideas to Peace, Conflict Resolution, Rural Development and Higher Education' organized by GITAM University on 27th and 28th April 2013 at Vishakhapatnam.

Majumdar, Tanuja, delivered a Lecture as Chairperson in a session on 'Tribal Literature and Culture ' in in National Seminar on 'Bharatiya Sahitya Eevam Sanskriti : Ek Antah Samvad' organized by Central University of Gujarat, on 4th and 5th October 2013 at Gandhinagar.

Staff List :

Tanuja Majumdar (Head)

Ved Raman Pandey

Merry Hansda

Anindya Ganguly

Rishi Bhushan Choubey

Jai Kaushal

Sandhya Kumari Singh

Abhijit Bhattacharyya

Jayanta Kumar Sahu

Guest Teachers :

Vivek Singh (Guest Lecturer), Assistant Professor, Hindi Department, S. S. Jalan Girls' College.

Ratna Mukherjee (Guest Lecturer) Reader & Former Head, Hindi Department, St. Xavier's College.

Non-Teaching - Sanat Seal

Department of History

News from the Department

2013 has been an important year for the Department of History for a number of reasons. First of all, while the recruitment of its new faculty members commenced in 2012, it is in 2013 that the Department reached an optimum strength. Secondly, and what in effect marks a key sign of the vibrancy that characterises the reconstituted Department, the same year it has also initiated negotiations for international collaborations with a view to promote R&D, faculty and student exchange. Indeed, the rich and varied nature of endeavours of the Department is actually reflective of the wide spectrum of expertise and backgrounds of its faculty members. While there is a predominant focus on the South Asian region, the cutting edge actually comes from two specific and inter-related aspects: first, even as the majority of the faculty members work on South Asia, they do so focusing on different periods in history; and secondly, and perhaps more importantly, there is a decisive thrust towards locating South Asia in the global scenario. There is also substantive emphasis on European and world history. All of this is mirrored, at once, in the research as well as teaching at the Department. An international conference titled 'Concepts, Communities, Practices: Rethinking the Transnational' (3 September 2013), or indeed a series of lectures by eminent academics from across the world on a wide array of themes (a total of eight lectures between January and December 2013) thus illustrate the varied range of research related activities while, no less importantly, introduction of new or substantively redesigned courses mirror crucial pedagogic innovations.

The quality of the students, as usual, continues to be a major strength of the department. They students have performed well at both the undergraduate and graduate levels. Of the outgoing batch of undergraduate students, which was also the last batch to take the examinations under the aegis of Calcutta University, six students received a first class and the other twenty six secured a second class. Srijita Basak stood first in the examination with a total of 504 out of 800. In 2013, the first batch of post graduate students from Presidency University received their degrees.

Of the fifteen students, as many as thirteen students secured a first class in the examinations. Debdatta Banerjee stood first in the examinations. Many of our former students are pursuing M.Phil. and Ph. D. Degrees in India and abroad.

Students have participated enthusiastically in seminars and conferences and have taken the initiative to organize the Presidency University Lecture series in the Humanities for the upcoming year. A Staff-Student Co-ordination Committee has been constituted to facilitate dialogue between faculty members and students and the first meeting of the committee witnessed an exchange of views between staff and students in a cordial atmosphere.

A very important development in the last year was the initiation of the process of renovation and

reconstitution of the Seminar Library of the Department. We owe an immense debt of gratitude to Professor Kalyan Chatterjee who has generously donated the collection of books of the late Professor Kumkum Chatterjee, an illustrious alumnus of the Department to the Seminar Library.

The Department looks forward to maintaining this momentum towards excellence in the coming year as well.

Report of the Major Activities of the Department:

Seminars held in the Department/ Visitors to the Department:

Speaker/ Visitor	Institutional Address	Topic
Dr. Samia Khatun (3 January 2013)	University of Sydney	Reading Place: Aboriginal Language Stories about South Asian Cameleers, 1860-1930
Prof. Chandak Sengupta (15 January 2013)	Department of History, Classics & Archaeology, Birkbeck College, University of London	The Making of a Modern Artisan: Upendrakishore Ray and the "Folly" of Colonial Modernity
Prof. Robert S. Anderson (15 March 2013)	Simon Fraser University, Vancouver	Meghnad Saha as a Nuclear Negotiator
Prof. Frederick M. Asher (25 July 2013)	Department of History of Art, University of Minnesota	India's Global Exchanges in the Premodern World
Prof. Alok Roy (19 August 2013) [co-organised with <i>Paschimbanga Itihas Samsad</i>]	Professor Emeritus, Department of History, Scottish Church College	<i>Banglar nabajagoron o Susobhan Sarkar</i>
Dr. Hitendra K. Patel (25 September 2013)	Department of History, Rabindrabharati University	The Hindu-Muslim Divide, Communalism and the Intelligentsia in Colonial India (1870s- 1930s): Some Reflections
Dr. Jon Wilson (4 November 2013) [co-organised with the Department of Sociology, Presidency University]	Department of History, King's College, University of London	The Banality of Empire: The Chaos of Conquest and Search for Colonial Order
Dr. Kris Manjapra (16 December 2013)	Department of History, Tufts University	Age of Entanglement

Other Academic Activities:

- International conference on *Concepts, Communities, Practices: Rethinking the Transnational* (3 September 2013)
- The **Department of History** is in the process of negotiating memoranda of understanding (MoUs) with the **Faculty of Humanities**, Leiden University, the Netherlands and with the **School of Humanities and Social Sciences**, Lahore University of Management Sciences, Pakistan.

List of Publications:

Research Paper:

Harijan, Kishan (in press), DARJEELING, "Sports Revisited"- Legacy, Problems & Prospects. Salesian Journal of

Humanities and Social Sciences, Sports and Games: A Holistic Approach, Vol.IV, No.2.

Harijan, Kishan (2013), Information and Communication Technologies (ICT) in the Darjeeling Hills –Its Role and Limitations. Salesian Journal of Humanities and Social Sciences, Technology and Society, Vol. IV, No.1, May 2013, pp. 198-213

Mukherjee, Sraman (2013), Configuring Sacred Spaces: Archaeology, Temples and Monument Making in Colonial Orissa". South Asian Studies, Vol. 29, No.1, pp. 15-29

Mukherjee, Soumen. (in press). Universalising Aspirations: Community and Social Service in the Isma'ili Imagination in Twentieth-Century South Asia and East Africa. Journal of the Royal Asiatic Society.

Paper in edited volume:

Kumar, Prabhat (2013), "From Punch to *Matvala*: Transcultural Lives of a Literary Format" In Hans Harder and Barbara Mittler (eds.) *Punch: A Transcultural Affair* (Heidelberg, Berlin: Springer-Verlag, 2013), pp. 75-110.

Mukherjee, Soumen (in press), An Ethical Quest: The Ideational Genealogy of the Aga Khan Development Network. In Harald Fischer-Tiné, Johannes Paulmann, Alexandra Przyrembel (eds) *Religion in the Age of Imperial Humanitarianism*. Vandenhoeck & Ruprecht, Göttingen.

Mukherjee, Soumen (in press), The Legal Underpinnings of a Shiite Denomination: The Case of the Khoja Ismailis in Colonial Bombay. In Sekhar Bandyopadhyay & Projit Bihari Mukharji (eds), *Religion on the Threshold: Liminality, Religion and Society in South Asia*. Oxford University Press, New Delhi.

Mukherjee, Soumen (in press), Modular Sensibilities: Some Aspects of Daudi Bohra Socio-Religious Consciousness in Modern South Asia. In Radu Carciu and Dominik Frommherz (eds), *Negotiating Conflict and Accommodating Identity in South Asia* (in *Heidelberg Papers in Comparative & South Asian Politics Series*). Samskriti, New Delhi.

Rizvi, Sajjad Alam (in press), Conceptualizing Emotions: Perspectives from South Asian Sufism. *Contributions to the History of Concepts*.

Sanyal, S. (2013), Peasant Politicization in Nineteenth Century France. In Gautam Basu and Anasua Bagchi (eds) *Slices of the Past*. B.B. Kundu Grandsons. Kolkata, pp. 52-65.

Paper in special publication:

Mukherjee, Sraman, (2013), Between Religion and History: Afterlives of Buddhist Relics", *The Newsletter*, International Institute of Asian Studies (IIAS), Leiden, No. 66, Winter 2013, p. 54.

Book:

S. Sanyal (in press), Revolutionary Pamphlets, Propaganda and Political Culture in Colonial Bengal. Cambridge University Press.

lives of Buddhist Relics", *The Newsletter*, International Institute of Asian Studies (IIAS), Leiden, No. 66, Winter 2013., 54

Papers presented at Conferences/ Workshops 2013

Banerjee, Milinda. 'Resonances of Kingship in Crisis: Flows of Concepts, People, and Texts between Bengal, Britain and France, and the Construction of Transcultural Ideas about Government in the 18th century', in Conference on 'Eastern Resonances', organized by the University of Paris 7 and University of Montpellier 3, in Paris, 5-7 December, 2013

Banerjee, Milinda. 'Vivekananda and the Construction of Anti-colonial Discourses on Rulership', in National Seminar on Vivekananda, organized by the Institute of Historical Studies, Kolkata, and Sri Aurobindo Samiti, Kolkata, 26-27 November, 2013.

Banerjee, Milinda. 'Globalization as Monotheistization: Capital, Law, and Theology in the Age of Rammohun Roy', in International Workshop 'Writing World History', organized by Institut de Chandernagor, Hooghly, 11 November, 2013.

Banerjee, Milinda. 'Decolonizing International Law: Radhabinod Pal, Dharmic Justice, and the War Crimes Trial in East Asia', in Conference 'Managing Empires: Cooperation, Competition, Conflict', in Heidelberg University, 9-11 October, 2013.

Banerjee, Milinda. 'Kingship, Ethnicity, and Colonialism: Interrogating the Shifting Nexus between Political Legitimation, State Ritual, and Community Politics in Princely and Early Postcolonial Tripura, ca. 1850-1950', in Conference 'Negotiating Ethnicity: Politics and Display of Cultural Identities in Northeast India', organized by the Institute for Social Anthropology and Phonogrammarchiv, Austrian Academy of Sciences, Initiativkolleg, 'Cultural Transfers and Cross-Contacts in the Himalayan Borderlands', Department of South Asian, Tibetan and Buddhist Studies, University of Vienna, and the Indian Embassy in Austria, Vienna, 4-6 July, 2013.

Banerjee, Milinda. 'Decolonizing Law, or Neocolonizing the World? Radhabinod Pal in Colonial India and in the Tokyo Trial', in International Workshop 'Transcultural Justice: Decolonization and Cold War and its Impact on War Crimes Trials and International Law after 1945', in Cluster of Excellence 'Asia and Europe', Heidelberg University, 27-28 June

Harijan, Kishan. "Cultural Assimilation of Trans-Himalaya Communities: A Case Study of Colonial Darjeeling Himalaya", presented at International Conference on Concepts, Communities, Practices: Rethinking the Transnational organised by the Department of History, Presidency University, September 3, 2013.

Kumar, Prabhat. "Narrating the global past: Reading Pt. Ramavtar Sharma's satire Mudgaranandacharitavali, (1912-13)" in an International Conference titled *Concepts, Communities, Practices: Rethinking the Transnational* organised by History Department, Presidency University, Kolkata in collaboration with Trinity College, Dublin (September 3, 2013, at Presidency University, Kolkata)

Mukherjee, Sraman. "The Curious Case of the Bones: Buddhist Relics in Modern South Asia", the Eighth International Convention of Asia Scholars (ICAS 8), Macau, June 25, 2013.

Mukherjee, Sraman. "Between Religion and History: Circulation of Corporeal Relics in Colonial South and Mainland Southeast Asia", *Thursdays at Four*, Institute for Advanced Study, University of Minnesota, Minneapolis, May 9, 2013.

Mukherjee, Sraman. "Inhabiting Ancient Pasts: Heritage and Historical Memory in Modern South Asia", Fellows' Lunch Lecture, Institute for Advanced Study, University of Minnesota, Minneapolis, May 7, 2013.

Mukherjee, Sraman. "Secular Heritage, Sacred Reclamations: Archaeology, Buddhist Revival, and the Circulation of Relics in South and Southeast Asia", paper presented at Social Science Research Council Fellows' Workshop on *Trans-regional Research: Inter-Asian Contexts and Connections*, San Diego, California, March 24 -26, 2013.

Mukherjee, Sraman. "Collecting the Region: Configuring Bihar in the Space of Museums", paper presented in the panel *Relocating the Region: Bihar from the Colonial to the Contemporary*, Association for Asian Studies Annual Conference, San Diego, California, March 22, 2013.

Mukherjee, Sraman. "Old Bones and New Caskets: Relics, Reliquaries, and New Buddhist Temples in Colonial India", Department of Art History, University of Minnesota, Minneapolis, March 6, 2013

Rizvi, Sajjad Alam. "Music, Emotions and Reform in South Asian Islam (Late Eighteenth and Early Nineteenth Centuries)". In "Concepts, Communities, Practices: Rethinking the Transnational". Conference organized by the Department of Presidency University, Kolkata, September 3, 2013.

Rizvi, Sajjad Alam. "Redefining Concepts of Emotions in South Asia: Reform and Politics in the Tariqa-i Muhammadiyya" in the workshop on "Concepts of Emotions in South Asia from 19th to 21st Century", December, 6-7, 2013.

Sanyal, S. "Historical Perspectives and Sites of Class Formation" in *Social History and Marxist Practice: An Appraisal of British Historiography*. Seminar organized by the History Department of Calcutta University on March 8, 2013.

S. Sanyal. "The Revolutionary Nationalists and their search for a "new" nationalism in early-twentieth century Bengal", in *D'une révolution à l'autre: Histoire des circulations révolutionnaire (18e -21e siècle)*. Conference organized by Université Paris-Est Marne-la-Vallée and Université Paris Diderot-Paris 7, 12-14 June, 2013.

Title of the Project	Principal Investigator	Funded by
Decolonizing International Law: Radhabinod Pal, Dharmic Justice, and the War Crimes Trial in East Asia	Milinda Banerjee	The German Research Foundation (DFG) and the German Council of Science and Humanities (Wissenschaftsrat), Cluster of Excellence, University of Heidelberg, Germany
Secular Heritage, Sacred Reclamations: Archaeology, Buddhist Revival and Circulation of Relics in South and Southeast Asia	Sraman Mukherjee	Social Science Research Council with funds from Andrew Mellon Foundation and institutional affiliations at the Department of Art History and the Institute for Advanced Study, University of Minnesota

Staff List:

Teaching:

Fulltime & Professor Emeritus :—

Rajat Kanta Ray, Professor Emeritus

Shukla Sanyal, Professor and Head of the Department

Deepkanta Lahiri Choudhury, Associate Professor

Deepa Khakha, Assistant Professor

Kishan Harijan, Assistant Professor

Milinda Banerjee, Assistant Professor

Oyndrila Sarkar, Assistant Professor (on leave)

Prabhat Kumar, Assistant Professor

Sajjad Alam Rizvi, Assistant Professor

Soumen Mukherjee, Assistant Professor

Sraman Mukherjee, Assistant Professor

Swarupa Gupta, Assistant Professor

B. Guest Faculty:

Nupur Chaudhury

Riddhi Shankar Ray

Hari Shankar Vasudevan

C. Non Teaching.

Sunil Barua

Santosh Singh

Department of Philosophy

News from the Department

The Department of Philosophy, Presidency University (erstwhile Presidency College), is characterized by as rich a heritage as the University itself, intellectually and otherwise. It had, among its faculty members, a philosopher, teacher of the stature of Gopinath Bhattacharya. The department can also boast of students, successful in various professions.

The department, at present, runs both an undergraduate and a postgraduate section. It aims at imparting education at the doctoral level soon. The students and teachers enjoy a warm, personalized relation with each other. Every effort is made to upgrade the students academically and morally, by formal class teaching and informal discussion, extending far beyond routine class hours. Some of the students are good sportspersons. Students are encouraged to participate and excel in all kinds of extra-curricular activities.

The course content is rich, resplendent – comprising allied interdisciplinary constituents along with typically philosophical ones.

The department holds seminars, workshops regularly and involves students actively in dialogues and interchange of ideas.

Though in an early formative stage, it may be reasonable to be optimistic about a very bright future of the department of Philosophy, Presidency University.

Seminars organized by the Department and visitors to the Department

Name of the Speakers	Institutional Address	Topic
Professor Pushpa Mishra (Psychoanalyst) 26 th June 2012:	Principal of Bethune College, Calcutta.	A seminar on medical ethics focusing on "Informed Consent"
Research scholars	Jadavpur University, Calcutta	logic and Cognitive Science
Professor Monideepa Sanyal 4 th September, 2012	Professor, University of Calcutta	Epistemology: Traditional, Naturalized and Feminist
Professor Amita Chatterjee 4 th September, 2012	Emeritus Professor, Centre of Cognitive Science, Jadavpur University, Calcutta	Epistemology: Traditional, Naturalized and Feminist
Professor Shefali Moitra 4 th September, 2012	Professor, Jadavpur University, Calcutta	Epistemology: Traditional, Naturalized and Feminist

List of Publications

Paper in edited Volume

Bagchi Nandita (2013) "Woman's Reproductive Choice and the Language of Rights", *Human Rights in India*, Ed. Ajanta Paul, Avenel Press, West Bengal.

Papers in Special Publications

- i. **Bagchi Nandita**, (2013), "How Feminists Epistemologists Problematize Scientific Objectivity", *Epistemic Problems –Some Reflections*, ed. Priyambada Sarkar, published by department of Philosophy, University of Calcutta pp. 170-177.
- ii. **Barada Laxmi Panda**, "Amartya Sen on Rational Choice" Special Volume on Amartya Sen from Oxford University Press, New Delhi (accepted).

Papers published in peer reviewed journals

Nusrat Jahan, (2013) " Haji Md Mohsin: The Great Philantropist", Academic Journal of H. M. C., ISSN No. 0973-6212, Vol. 8 No. 1, pp. 19-25.

Staff List

Teaching Staff

Nandita Bagchi
Nusrat Jahan
Nirmalya Guha
Barada Laxmi Panda
Arnab Kumar Mukhopadhyay
Priyanka De

Nonteaching Staff

Santosh Hansda

Guest Lecturers:

Dr. Roma Chakrabarti, University of Calcutta (Retd.)
Dr. Ranjana Mukhopadhyay, Rabindra Bharati University (Retd.)
Dr. Gangadhar Kar, Jadavpur University
Dr. Kumar Mitra, Rabindra Bharati University
Dr. Subir Ranjan Bhattacharya, University of Calcutta
Dr. Sanjukta Basu, Rabindra Bharati University
Dr. Dipa Mukhopadhyay, Presidency College (Retd.)
Dr. Sutapa Dasgupta, Presidency University

Department of Political Science

News from the Department

The Department of Political Science was full of academic activities in 2013. Like previous years, the Department organised regular seminars, film shows and talks by eminent personalities. Results of our students in university examinations have been excellent. Ten students secured First Class in the B.A. Final examination in Political Science (Hons.) under Calcutta University. This was the last batch under C.U. Seven students were selected for admission to JNU, and two for SOAS and Queen Mary ((Univ. of London) respectively. Many First class graduates continued their post-graduate studies in the department. Performances of our students in examinations conducted by Presidency University have been remarkable. Our students also excelled in sports, debating, drama and music events during this year. Jigme Namgyal Bhutia emerged as the individual champion (Boys) in the Annual Athletic competition of the university. Stephen Nikita Phillip also won many events in the Girls' category. Our students Adrija Maitra, Farnaz Fatima, Paroma Mukherjee and Arjun Mukherjee took part in the Freshers' Debate and Music events and won accolades from the judges. Students also participated zealously in all departmental seminars, and showed great enthusiasm in interacting with the speakers. 2013 was another year for quality seminars organized by the department. Our department organized a day-long seminar in collaboration with the Council for Political Studies, to commemorate the 150th Birth Anniversary of Swami Vivekananda. Eminent Scholars and academicians delivered talks in the seminar. The Department also organised, in collaboration with the Max Muller Bhavan (Kolkata), the screening of "Le Brahmane Du Komintern" (The Comintern Brahmin-Untold story of Shri M.N.Roy), a documentary by Vladimir Leon. The screening was preceded by a talk by Prof. Sobhanlal Dutta Gupta, on the life and work of M.N. Roy. Subsequently, the department organised a lecture by the Consul-General of Japan in Kolkata, Mr. Mitsuo Kawaguchi on "India-Japan Relations". On 13th September, 2013, Mr. Jean Marc Sere Charlet, Minister-Counsellor and Deputy Head of Mission at the Embassy of France in New Delhi, spoke on "Indo-French Bilateral Relations". Our Hon'ble Vice-Chancellor, Prof. Malabika Sarkar presided over the talks delivered by the Japanese Consul General, and the French Minister Counsellor. Visitors from different corners of the world came to our department. They included young and experienced scholars and academicians, diplomats, and researchers. However, the most remarkable event in 2013 was the signing

of a MOU between the Department of Political Science, PU and Georgia State University (USA) for student and faculty exchange programmes, to be commenced from late 2014. This international collaboration is in tune with the department's continuous quest for quality and excellence.

Seminars organized by the Department:

Name of the Speaker / Visitor	Institutional Address	Topic
Hitendra Patel	Dept. of History, Rabindra Bharati University	History and Historiography – the contributions of Eric Hobsbawm
Dhruv Jain	Ph.D. Scholar, York University	Althusser on Marx
Swami Atmapriyananda	Vice Chancellor, Swami Vivekananda University	Life and Work of Swami Vivekananda [in collaboration with the Council for Political Studies (CPS), Kolkata]
Amal Kumar Mukhopadhyay	Former Principal, Presidency College	Vivekananda: The Patriot (in collaboration with the CPS)
Swarup Prasad Ghosh	Registrar, Techno India College of Technology	Relevance of Vivekananda's Ideas in the Contemporary World (in collaboration with the CPS)
Swami Tatwāśarananda	Principal, RKM College, Belur	Vivekananda's Ideas on Education (in collaboration with the CPS)
Bholanath Bandyopadhyay	Dept. Of Sociology, Calcutta University	Vivekananda on Society (in collaboration with the CPS)
Sudhir Chakrabarty	Eminent Writer and Academician	Lalan Fakir in the eyes of the educated class (in collaboration with the CPS)
Kunal Sen	Manchester University	The Political Economy of Development: What Do We Know, What Do We Need to Know
Sobhanlal Dutta Gupta	Dept. of Political Science, Calcutta University	Life and Work of M.N. Roy
Mitsuo Kawaguchi	Consul General of Japan in Kolkata	India-Japan Relations
Jean Marc Sere Charlet	Minister Counsellor, Embassy of France in New Delhi and Deputy Head of Mission	Indo-French Bilateral Relations

Visitors to the Department

1. Fabrice ETIENNE, Consul General of France in Kolkata
2. Dr. Rashid Naim, Faculty, Political Science, Georgia State University, USA
3. Peter Marcus Kirstensen, Ph.D. Student, Copenhagen University, Denmark
4. Sayan Banerjee, Ph.D. Student, Georgia State University, USA
5. Sreya Chatterjee, Ph.D. Student, West Virginia University, USA
6. Aurotiro Majumdar, Ph.D. Student, Syracuse University, USA
7. Victoria Azoros, Buenos Aires University, Argentina
8. Jose Midas Bartmann, University of Amsterdam, The Netherlands

Research Activities of the Department

Faculty Members are actively engaged in research activities in their specialized areas. A few funded research projects are expected soon.

Other Academic Activities

Some faculty members have signed contracts as authors with leading international publishing houses like

Oxford University Press, Cambridge University Press, Rowman and Littlefield and Routledge. Anik Chatterjee is regularly invited by the media and social organizations to discuss issues on Indian and International politics. Maidul Islam has contributed editorial page articles in the Bengali daily, *EiSamay*—one on ‘Bengal Panchayat Elections’ (September 4, 2013) and another on ‘Aam Aadmi Party’ (December 3, 2013).

List of Publications of Faculty

Research Paper(s)

Haokip, T (2013), “The Kuki-Naga Conflict in the light of recent publications”, *South Asia Research*, Vol. 33, No. 1, pp. 77-87.

Haokip, T (2013), “Essays on the Kuki-Naga Conflict: A Review”, *Strategic Analysis*, Vol. 37, Issue 2, pp. 251-259.

Islam, M (2013), “Lumpen Living, High Thinking: Bengal’s Ominous Political Trends”, *Frontier*, Vol. 45, No. 49, pp. 7-10.

Paper(s) in Edited Volumes

Basu, P (2013), “Swami Vivekananda: Spiritual Nationalism and Doctrine of the State [in Bengali]” in A. K. Mukhopadhyay (ed.) *BharatiyaRashtraChintaParichay* (in Bengali), Kolkata: PaschimbangaRajyaPustakParshat, pp. 145-78.

Chatterjee, A (2013), “The Neglected Domain? Maulana Azad’s Contribution to Indian Science and Technology”, in B. Mishra and S. N. Das (eds.), *Politics and Conflict: Lessons from MaulanaAbulKalam Azad*, Kolkata: ShibpurDinabundhoo Institution (College) and Indian Institute of Public Administration, pp. 1-7.

Gayen, A. S. (2012*), “PoribeshRajniti - AantarjatikPrekshit (in Bengali)”, in Gautam Kumar Basu (ed.), *SamasamayikAantarjatikSamparka* (in Bengali), Kolkata, West Bengal State Book Board, pp. 36 – 49. *Appeared in early 2013.

Gayen, A.S. (2013), “Civil Society: KichhuBikkhiptaBhabna (in Bengali), in *Pratibedan*(Bengali), Published Proceedings of the UGC sponsored seminar on *Role of Civil Society in the Perspective of Growing Limitations of Democracy*, Kolkata: Muralidhar Girls’College and PaschimbangaltihasSamsad, pp.67-70.

Haokip, T (2013), “The Kuki Tribes of Meghalaya: A Study of their Socio-Political Problems”, in S.R. Padhi (ed.), *Current Tribal Situation: Strategies for Planning, Welfare and Sustainable Development*, Delhi: Mangalam Publications, pp. 85-93.

Sinha, S (2013), “Afghanistan’s Countdown to 2014: The Evolving Situation”, in Malhotra, Gill (eds.), *Leveraging Economic Growth for Collective Prosperity in South Asia*, CRRID, Chandigarh, pp. 75-84.

Sinha, S (2013), “The Domestic Imperatives of China’s Central Asia Policy” in Malhotra, Gill (eds.), *Perspectives in Bilateral and Regional Cooperation in South And Central Asia*, CRRID, Chandigarh, pp. 449-58.

Paper (s) in Special Publications

Chatterjee, A (2013), “Two Decades after Economic Liberalization: Examining India’s Road to Progress”, *Full Proceedings of ‘The International Symposium on Social Sciences’* (ISBN: 978-986-90052-2-7), Higher Education Forum: Hong Kong.

Edited Volumes

Ghosh, M., Kothari R. and Takehiko Y. (2013), *US Policy Towards China, India and Japan: New Challenges and Prospects*, Atlantic Publishers, New Delhi.

Seminar Lectures Delivered / Workshop attended as Resource Person by Teachers

Anik Chatterjee

1. Invited to present a paper entitled “Two Decades after Economic Liberalization: Examining India’s Road to Progress”, at The International Symposium on Social Sciences (TISSS), Regal Airport Hotel, Hong Kong (China), December 20, 2013.
2. Chaired a panel on ‘Economics / Finance’ at The International Symposium on Social Sciences (TISSS) at the Regal Airport Hotel, Hong Kong (China), December 20, 2013
3. Invited to deliver a lecture on “Life, Time and Work of MaulanaAbulKalam Azad” in a seminar to commemorate the 125th Birth Anniversary of MAK Azad, Maulana Azad College, Kolkata, India, November 20, 2013.

4. Chaired a seminar lecture on "The Indian State and Communalism", presented by Vibhuti Narayan Roy, Hon'be Vice Chancellor, Mahatma Gandhi International Hindi University, Wardha (India), organized by the Department of Hindi, Presidency University, Kolkata, India, at the AJC Bose Auditorium, Presidency University, Kolkata, August 30, 2013.
5. Acted as a Chair for a seminar lecture on "The Political Economy of Development: What Do We Know, What Do We Need to Know", presented by Prof. Kunal Sen, Manchester University, U.K., organized by the Department of Political Science, Presidency University; AJC Bose Auditorium, Presidency University, Kolkata, India, August 13, 2013.
6. Chaired a panel entitled Conflict in Asia at an International Conference on *Security Challenges in an Evolving World*, organized jointly by the International Studies Association (ISA) and Peace Science Society (PSS) at the Corvinus University of Budapest, Hungary, June 29, 2013.
7. Invited to present a paper entitled "Dangerous Equality: Nuclear Proliferation and New Security Challenges in South Asia", at an International Conference on *Security Challenges in an Evolving World*, organized jointly by the International Studies Association (ISA) and Peace Science Society (PSS) at the Corvinus University of Budapest, Hungary, June 28, 2013.
8. Chaired a session on "Social and Political Ideas of Swami Vivekananda" at a day-long Seminar on *Swami Vivekananda: Thoughts and Ideas* organized jointly by the Council for Political Studies, Kolkata and Department of Political Science, Presidency University, Kolkata, India, March 22, 2013.
9. Invited as a Resource Person to speak on "Human Security in South Asia: Challenges and Prospects", at the UPE – II Seminar on *South Asia: Global Order, Integration and Future Possibilities* (March 19-20, 2013) , organized by the School of International Relations and Strategic Studies, Jadavpur University, India and Netaji Institute of Asian Studies, Kolkata, India, March 20, 2013.
10. Invited as a Resource Person to speak on "International Relations Theory and South Asia", at the UGC-sponsored Refresher Course (Feb 22 – March 14, 2013) on *Political Theory*, Department of Political Science, University of Calcutta, India, March 04, 2013.
11. Invited as a Resource Person to speak on "The Catalyst? Indian Diaspora and India-U.S. Relations", at an International Seminar on *Diaspora and Cultural Exchange*, organized by Vidyasagar College for Women, Kolkata, India, February 26, 2013.
12. Chaired a seminar lecture on "History and Historiography – the contributions of Eric Hobsbawm", presented by Dr. Hitendra Patel, Head, Department of History, RabindraBharati University, Kolkata, organized jointly by the Council for Political Studies, Kolkata and Department of Political Science, Presidency University, Kolkata, India, February 01, 2013.

PradipBasu

Invited to present a paper entitled, 'Conflict in Indian Marxism: Critique of Naxalism in Postcolonial Perspective' at the Conflict Research Society's 50th Anniversary Conference held at the University of Essex, UK, September 2013.

Nandalal Chakrabarti

Invited to deliver a lecture on the 'Disappearance of Netaji' at Bengal Engineering and Science University, Howrah on 7th May 2013.

Abdus Samad Gayen

1. Invited to present a paper on 'Reflections of a Creative Genius: Tagore on the Hindu-Muslim question in India' at the Conflict Research Society International Conference 2013 held at the University of Essex, UK, Sept 2013.
2. Invited to present a paper on 'Power, Politics and the Limits of Parliamentary Democracy in India' at the International Seminar held at the India International Centre, Delhi during 16th-17th March 2013 (Organiser: India Renaissance Institute)
3. invited as a Resource person to speak on 'Relevance of Gandhi in the 21st Century' on 9th March 2013 at the UGC sponsored Refresher Course, Dept of Political Science, University of Calcutta.
4. Invited to speak on 'Swami Vivekananda in the Contemporary Perspective' at BelghoriaRamkrishna Mission on 15th February 2013.

Zaad Mahmood

1. Invited to present a paper titled 'Organised Workers and Labour Reforms in India: some preliminary observation', in *The Rising Powers in the New Global Political Economy* at University of Nottingham, United Kingdom, 5 -

6 July, 2013.

- Participated in Early Career Research Skill Workshop at University College London, London, January 2013

Thongkhola Haokip

- Invited to present a paper titled *The Politics of Indigeneity in Manipur*, at conference on Continuities and Discontinuities of Asian Engagement: Borders, Mobility and Identity in Northeast India and Asia, held during October 17-18, 2013 at Indian Institute of technology, Guwahati.
- Invited to present a paper titled *Challenges of Democratic Governance in Manipur*, at international conference on Human Development in North East India, Assam University, Silchar, 18-20 March 2013.
- Panelist, “*Politics of Territoriality in Northeast India*”, Tata Institute of Social Sciences, Mumbai, January 9, 2013.
- Resource Person, “*Political Identity for Political Movement*”, Workshop on “*Contours of Kuki Nationalism*”, at Churachandpur, Manipur on November 3, 2013.

Madhuchanda Ghosh

- Panelist in a round table discussion on India-Japan Strategic Dialogue, organised by Japan Foundation at Manipal University, Manipal during 18-19 October, 2013
- Panelist in a round table discussion on Japan-SAARC Partnership : The Way Ahead, organised by JNU, New Delhi
- Panelist in a round table discussion on Japan’s evolving Foreign Relations during November 23rd - November 30th 2013, organised by Nippon Foundation in Osaka, Kyoto and Tokyo.

Satyabrat Sinha

- Invited to chair a panel, “*Role of migrations transborder networks and solidarities*” at Negotiating Ethnicity: Politics and Display of Cultural Identities in North East India organised by the Austrian Academy of Sciences and the University of Vienna, Vienna, Austria, July 3-6, 2013.
- Presented a Paper, “*Foreign Policy Inputs from the Provinces: Examining Possible Solutions*”, *Federalism, Foreign Policy and Border States: Dynamics from North East States of India*, 22nd- 23rd March, 2013, Sikkim University, Gangtok, Sikkim.
- Presented a Paper, “*Afghanistan’s Countdown to 2014: The Evolving Situation*”, International Conference on ‘*Changing Scenario in South Asia: Leveraging Economic Growth for Collective Prosperity*’, March 30-31, 2013, at CRRID, Chandigarh.

Madhura Damle

Invited to present a paper titled ‘*Construction of Alternative Religious Practices in Non-Brahmin Movement*’ in a national seminar on Democracy, Development and Social Justice organized by CPS, JNU in March 2013.

Maidul Islam

- Delivered a lecture as a Resource Person on ‘*On Identity*’, National Workshop for Research students on *Marginalisation and Resistance*, Tata Institute of Social Sciences (Tuljapur Campus), Maharashtra (3rd February, 2013).
- Delivered a lecture as a Resource Person on ‘*Public Protests and Political Dissent in Indian Democracy*’, Department of Political Science, University of Calcutta (21st March, 2013).
- Delivered a lecture as a Resource Person on ‘*Indian Muslim(s) in the Globalized World*’, Indian Institute of Advanced Study, Shimla (16th May, 2013).
- Delivered a lecture as a Resource Person on ‘*Imag(in)ing Indian Muslims in Post-Liberalization Hindi Cinema*’, Indian Institute of Advanced Study, Shimla (24th October, 2013).
- Delivered a lecture as a Resource Person on ‘*Indian Muslims and the Radical Democratic Project*’, International Conference on *Democracies in South Asia and the Role of the Left*, organized by Institute of Development Studies, Kolkata and sponsored by Rosa Luxemburg Foundation, Berlin (Kolkata: 20-22 November, 2013).

Staff List

Teaching

Anik Chatterjee, Head of the Department
Pradip Basu

Non-Teaching

Swapan Kumar Nandi
Ramnath Prasad

Nandalal Chakrabarti
Bikash Chandra Dutta

Abdus Samad Gayen

Zaad Mahmood

Madhuchanda Ghosh

Satyabrat Sinha

Thongkhola Haokip

Maidul Islam

Madhura S. Damle

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YouTube: www.youtube.com/cssc.caluniv

LinkedIn: www.linkedin.com/groups/1033223

ORCID: www.orcid.org/0000-0002-1111-1111

Google Scholar: scholar.google.com/citations?user=111111111111&hl=en

Scopus: www.scopus.com/authid/111111111111

Scielo: www.scielo.org/111111111111

Title

Sigmoid Function: The Climate of

Change

University of Calcutta

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Department of Sociology

News from the Department

The Department of Sociology which was founded in 1989 is about to enter its twenty fifth year. The faculty continues to grow with the second round of recruitment in 2013 and the addition of four Assistant Professors trained in institutions across India and abroad, and a member of the non-teaching staff. The Department also saw the appointment of a new head Dr. Suhrita Saha, in 2013.

The students of the Department have done admirably well with the highest grades in all three undergraduate semesters being A++ and the postgraduate students having an average score of A. Several students of the third year of Presidency College have secured a first class in their Part 3, under the University of Calcutta. One of them is pursuing her Masters at the Delhi School of Economics, two at Mumbai University and some at the University of Hyderabad. Three of the former students of the department who finished their postgraduate degree in 2013 have qualified for the UGC NET.

The new curricula for the undergraduate and postgraduate programmes were also implemented for the first semester students, which includes a GenEd course 'Why Study Society?' to undergraduate students of the University. A good measure of diversity in academic traditions was introduced with other seminars and talks by eminent sociologists, historians, social anthropologists from India, the United States of America, Germany and the United Kingdom, as well as social activists and journalists. A seminar on Food Security and Genetically Modified Crops was arranged in collaboration with and funded by the West Bengal State Council of Science and Technology on 26.07.2013. The West Bengal State Council of Science and Technology granted a fund of 1,00,000 for the event. Two short documentaries were screened by eminent anthropologists Prof. Lina Fruzzetti and Akos Ostor, followed by a discussion with students. The Department organized an interaction session with Professor Sugata Bose of Harvard University, one of the mentors of the University and the students of the University. The Department introduced two lecture series by Sibaji Bandyopadhyay from Centre for Studies in Social Sciences Calcutta and Bodisattva Kar from the University of Cape Town. The seminars and the lecture series have brought the Department in closer interaction with students both within and outside it.

Seminars organized by the Department

Name of the Speaker	Institutional Address	Topic
Debjani Chakrabarti	Columbia Basin College	Gender Issues across the Globe
Akos Ostor and Lina Fruzzetti	Wesleyan University and Brown University respectively	Anthropological interpretation and film aesthetics in Lina Fruzzetti and Akos Ostor's multiple authored films Khalfan and Zanzibar and Songs of a Sorrowful Man
Urmila Mohan	University of London	Making and Doing Fieldwork
Gernot Saalmann	Albert-Ludwigs University, Freiburg	Bourdieu in India
Suvanjit Bagchi	Senior Assistant Editor, The Hindu, Chhattisgarh	Revolution in Red Corridor-Watching Conflicts from Motorbikes
Rukmini Sen	B. R. Ambedkar University	Gender and Law: Reflections on the Responses to the Rape in Delhi
Vandana Shiva and P. Sainath	Eminent Social Activist and Journalist respectively	Food Security and Genetically Modified Crops
Sugata Bose	Harvard University	Presidency University: Future of its Present
Jon Wilson	King's College London	The Banality of Empire: The Chaos of Conquest and Search for Colonial Order
Ranjan Bandyopadhyay	Author	Rabindranath r Dampattyo Jibon o Prem

Lecture Series organized by the Department:

Name of the Speaker	Institutional Address	Title
Sibaji Bandyopadhyay	Centre for Studies in Social Sciences Calcutta	Sigmund Freud: The Climate of Opinion
Bodisattva Kar	University of Cape Town	What the Foucault? An Introduction to Texts, Contexts and Concepts

List of Publications by Teachers of the Department

Publication of Books (Edited or Monographs)

Sen, Hia (2013): Time-Out in the Land of Apu: Childhoods, Bildungsmoratorium and the Middle Classes of Urban West Bengal, Springer, Berlin; Vs Verlag Für Sozialwissenschaften, ISBN: 978-3-658-02222-8

Articles in Peer Reviewed Journals:

Saha, Suhrita (2013): 'Benoy Kumar Sarkar (1887-1949): A Tryst with Destiny', *Sociological Bulletin*, 62(1), Jan-April, pp. 4-22.

Saha, Suhrita (2013): 'Globalization and Mall Culture in a Metropolis', *Jadavpur University Journal of Sociology*, Vol. No – 6 (2013), pp.21-31

Saha, Sumita & Goswami, Nilanjana (2013): Religious Life and The Belief Systems of the Santhals : A Case Study in Solageria and Kharkeria Villages, *Man In India*, Vol. 93, No. 2-3, p. 313-332. (ISSN No. 0025-1569)

Saha, Sumita & Goswami, Nilanjana (2013): Cultural Relativism Versus Ethnocentrism: Debate within Domain of Anthropological Theories, *Indian Journal of Social Development*, Vol 13, No. 1 Jan-June, p. 15-28. (ISSN No. 0972-3692)

Saha, Sumita (2013): How Education helps to inculcate Democratic Values among Young Children: A Critical Discussion, *Economic Affairs: Quarterly Journal of Economics*, Vol 58, No. 3, p. 317-323, September. (ISSN No. 0424-2513, Online ISSN No. 0976-4666).

Seminars/ Lectures Delivered/ Workshop Delivered as Resource Person by Teachers:

Chakrabarty, Upal

Discussant, National Multidisciplinary Conference on 'Insecurities', Department of Sociology, Jadavpur University, Kolkata, March 4, 2013

Presented a paper titled, The 'political' in political economy: British India, rent and the agrarian in the early nineteenth century at Centre for Studies in Social Sciences, Kolkata, April 9, 2013

Presented a paper titled, A Genealogy of the local: methodology in political economy in early nineteenth-century Britain at 'Ideologies and Institutions: A conference to celebrate the career and works of Professor Peter Robb', 19-20 September, 2013, School of Oriental and African Studies, University of London

Saha, Suhrita

Presented a Paper: 'Consumerism and Mall Culture in a Metropolis', Department of Sociology, Shiv Nadar University, New Delhi, 18. 6. 2013.

Saha, Sumita

Delivered 39 lectures on "Social Statistics" in the Department of Sociology, Jadavpur University from 15th. January till 30th. May 2013 in the capacity of an invited Guest Lecturer.

Sarbadhikary, Sukanya

Presented a paper: Ingestion as Affect, Empathy and Community among Sahajiya-Vaishnavas of Bengal. Presented at conference titled, 'Religion, Migration, Mutation', organised by the British Association for the study of Religions and the European Association for the study of religions, held at Liverpool Hope University, 3-6 September, 2013.

Sen, Hia

Presented a paper: 'Do the Mollycoddled Act? The Concept of Agency and Experiences of Empirical Research with Children in Kolkata' at *Kinder als Akteure- Agency und Kindheit*, the annual conference of the German Sociological Association, Section 'Sociology of Childhood' organized by the Institut für Sozial und Organisationspädagogik, University of Hildesheim, held in Hildesheim, 26-28th September, 2013.

Department of Biological Science

News from the Department

The Department of Biological Sciences is the newest department of Presidency University, having been established only in mid 2013. Biological Sciences has always been a unified umbrella, and encompasses the disciplines of basic and applied subjects in its folds. On one hand there are the basic subjects like botany and zoology, while on the other, the parent nurtures the more advanced biochemistry and biotechnology fields of study. Globally, the concept of multidisciplinarity is being manifested everywhere, and impetus is on a holistic approach towards higher education. Presidency University has taken a bold step in this direction by merging together six pre-existing departments of Botany, Zoology, Physiology, Biochemistry, Molecular Biology and Genetics, and Biotechnology. The department has several young and dynamic faculty, with extensive research experience in almost all domains of the subject.

With the inception of the department, Presidency University becomes one of the few universities in India where higher education in biological sciences is offered to aspiring candidates. The Department offers a brand new syllabus, keeping in mind the syllabus for the CSIR-UGC National Eligibility Test. The new syllabus was formulated after a two day workshop on 19th and 20th April 2013, organised by the University. Eminent academicians Prof. Shashidhara from IISER, Pune, Prof. Varadarajan from IISc, Bangalore, and Dr. Ashwini Pareek from the School of Life Sciences, JNU conducted the workshop. With their help, the structure of the curriculum was decided, and the final syllabus was formulated by valuable feedback from the entire faculty.

The key features of this new curriculum is a progressive trend in education, introducing the students to the diversity of life forms and their evolution in the first semesters, and gradually introducing them to the more intricate details of the subject like cell and developmental biology, molecular biology and genetics in the upcoming semesters. The target is to introduce the modules in the undergraduate course, and to teach advanced topics in the postgraduate course. This course of action will ensure the generation of a batch of students possessing diversified knowledge about the different genre of biological sciences. This knowledge will provide them with an advantage when appearing for eligibility examinations for either research or teaching.

The first semester of the undergraduate course in Biological Sciences began in July 2013, while the first semester of the postgraduate course began in August 2013. Ninety students enrolled for the UG while sixty students enrolled for the PG course. The undergraduate students have finished their end semester examinations, results of which have not yet been declared. The postgraduate students will appear for their examinations in January 2014.

The department has recently been awarded with a DST-FIST grant of Rs. 2.05 crore. Work is also underway for a DBT BUILDER grant for more than Rs. 20 crore. A task force sent by DBT have visited the department and offered valuable feedback. A revised proposal will be sent to them by December 31st 2013.

Seminars organized by the department and visitors to the department:

Name of Speaker/Visitor	Institutional address	Topic
Dr. Hiroyuki Koyama Ph.D.,	Professor, Faculty of Applied Biological Sciences, Gifu University, Gifu, Japan.	STOP1 Regulating System; A root Module for Adapting to Acid Soil Environment and for Enhancing Plant Immunity
Dr. Sanjib Kumar Panda, Ph.D., D.Sc.,	Professor, Plant Molecular Biotechnology Lab, Department of Life Science and Bioinformatics, Assam University, Silchar – 788 011, Assam, India.	Molecular Biotechnology of Abiotic Stress in Plants
Dr. Narayan Ghorai	Department of Zoology, West Bengal State University.	Biodiversity of Manas National Park, Assam.

Name of Speaker/Visitor	Institutional address	Topic
Dr. Chandan K Sen	The Ohio State University, Wexner Medical Center	microRNA in Regenerative Medicine
Dr. Debkumar Chakraborty	IIT Guwahati, Department of Design	Bio-Mechanics
Dr. Sougata Karmakar	IIT Guwahati, Department of Design	Ergonomics in everyday life

Research Activities of the Department:

(a) Research projects:

Title of the Project	Principal and Co-investigators	Funding Agency	Amount (Rs.)	Research Worker
Cytological and phytochemical analysis, molecular characterization and in vitro propagation of some Indian species of <i>Ornithogalum</i> .	Dr Madhubrata Choudhury (PI)	UGC Major Research Project	Rs 10,74,800	Saswati Bhattacharya
Development and characterization of transgenic cotton plants (<i>Gossypiumhirsutum L.</i>) with rice ALMT1 gene under the control of aluminum stress responsive promoter (MATE) for acid soil tolerance studies. (Approved)	Dr. M. Ganesan (PI)	SERB-DST, Start Up Research Grant (Young Scientists)	Rs. 27.5 lakhs (approx)	
Study the molecular mechanism of Polyamine action during salinity stress in indica rice cultivars	Dr. Kamala Gupta (PI)	DST-SERB	Rs. 23 lakhs	Ms Jayita Saha
Molecular dissection of polyamine mediated hyperosmotic stress tolerance in cultivars of indica rice	Dr. Bhaskar Gupta (PI), Dr. Kamala Gupta (Co-PI)	DBT	Rs. 18 lakhs	
Molecular Analysis of Polyamine mediated hyper osmotic stress tolerance in salt sensitive Indica rice	Dr. Bhaskar Gupta (PI), Dr. Kamala Gupta (Co-PI)	WBDST	Rs. 23 lakhs (approx)	Ms Atreyi Sengupta
Studies on enhancing biological control mechanism of aquatic weed, water hyacinth through integration of insect and fungal agents.	Dr. Puja Ray(PI)	DST-SERB, Govt. of India	Rs. 20.20 lakhs	Writuparna Dutta (Junior Research Fellow)
Culture dependent and independent analyses of prokaryotic communities from the burrows, casts and guts of earthworms from in and around Kolkata.	Dr. Bhaskar Gupta (PI) ; Sri Souryadeep Mukherjee(Co-PI)	West Bengal Biodiversity Board, Govt. of West Bengal	Rs. 14.98 lakhs	Arijit De (Junior Research Fellow)

Title of the Project	Principal and Co-investigators	Funding Agency	Amount (Rs.)	Research Worker
An ergonomic study of occupational health problems of women construction workers in un-organized sectors of West Bengal, determination of safe load limit and some suggestive remedial measures	PI: Bijetri Bandopadhyay Co-PI: Prof Devasish Sen	DBT Govt of India	Rs. 29.08 lakhs	
"Biochemical characterization of SarA and SarR regulators in <i>S. aureus</i> to study molecular genetics "	PI: Prof. Adhar Ch. Manna	DBT, Govt. of India, 2014-2016.	Rs. 50 lakhs.	
"Understanding mechanism of oxidative stress responses by studying catalase regulation in <i>S. aureus</i> ".	PI: Prof. Adhar C Manna	BRNS, Department of Atomic Energy, 2014-2016.	Rs. 26.6 lakhs.	
Evaluation of <i>Chenopodium album</i> seed extract as potential spermicidal agent in different mammalian species and chemical investigations for the lead molecule	PI/co-PI Nirup Bikash Mondal (PI) Shampa Sarkar Biswas (Co-PI)	ICMR	Rs. 27.16 Lakhs	Ms. Debanjana Chakraborty
Electromagnetic radiation exposure to testicular tissues of rats and possible attenuation by vitamin C and E"	PI/co-PI Dr. Chitta Sahu (PI) Shampa Sarkar Biswas (Co-PI)	Funding Agency UGC	Rs. 12.5 Lakhs	
'Studying the role of polyamines in rice arsenic toxicity'	Dr. Bhaskar Gupta (PI)	UGC BSR	Rs. 6 lakhs	
"Targeting Apoptosis-Autophagy Network in Virus Associated Human Cancers – A Therapeutic Approach".	Dr. Abhik Saha (PI)	Ramanujan Fellowship, Department of Science & Technology (DST), Govt. of India.	Rs. 73 Lakhs	
Study on the polytene chromosome polymorphism in Chironomids and their relation with pollution in aquatic bodies.	Dr. Trilochan Midya (Principal Investigator)	Ministry of Environment and Forests, Govt. of India	23.4 lakh Animal keeper	One each of RA, JRF and

Research students working in the department:

Aishee De
 Anasua Nath
 Aparna Banerjee
 Arijit De
 Atreyee Kundu
 Atreyi Sengupta
 Bijetri Bandopadhyay

Debanjana Chakraborty

HarunRasid

Jayita Saha

PrasunBiswas

Sandip Das

Saswati Bhattacharya

ShreyaBasu

Subhasish Ghosal

SukhenduMaity

SunayanaSaha

Swapna Shaw

Writuparna Dutta

Registered Ph.D student:

SaswatiSaha: Registered for Ph.D under the guidance of Dr. Kamala Gupta and Dr. MahuaGhoshChaudhuri, [Co-Guide: School of Materials Science Nanotechnology, Jadavpur University]). Thesis title: 'Synthesis of multifarious biologically fabricated silver nanoparticles, their characterization and application'

Other academic activities:

Dr. Kamala Gupta was awarded UGC sponsored Raman Fellowship for Post Doctoral Research in Boyce Thompson Institute for Plant Research, an affiliate of Cornell University, N.Y. USA. August 2013- July 2014.

Dr. M. Ganesan was awarded visiting professorship for two months to visit Department of Biotechnology, Jeju National University, Jeju, South Korea (19-08-2013 to 18-10-2013). Research collaborations were made with Prof. Pill-Soo Song, Distinguished Chair, Regional Research Centre, Department of Biotechnology, Jeju National University, Jeju, South Korea.

Dr. R.N.Bhattacharyya, and Mr. A. Dey acted as the Joint Conveners in a 2 days' workshop on "Applications of HPTLC in determination of bioactive compounds" held on 7th and 8th October, 2013 organized by the Department of Botany, Presidency University.

Dr. Sangram Bagh was an expert member from Presidency University in Indo-Canada Educational Summit, Kolkata On November 2013.

Dr. Sangram Bagh was an invited delegate, Vaccine India Meeting, Hyderabad (Organized by University College London) in September 2013

Dr. Sangram Bagh was a judge, Undergraduate Research Poster Competition, Koch Institute of Integrated Cancer Research, Massachusetts Institute of Technology, Cambridge, USA in April 2013.

Dr. Sukumar Sarkar has participated in a "Plenary Session on Food Security and Genetically Modified Crops", West Bengal State Council of Science and Technology and Department of Biophysics, Molecular Biology and Bioinformatics, CU and DST, Raja Bajar Science College, 23rd July, 2013

Educational excursions:

Post graduate students actively participated in the educational excursions held at different places of Eastern Himalayas with the sole objective to understand and interact with the ecological biodiversities. The excursions held in the month of November, 2013 guided by Dr. R.N.Bhattacharyya and Dr. Malay Das.

The out-going (UG) students (Physiology) went for a field study trip to different parts of North Bengal with Dr. Nirmal. K. Pradhan and Shyamal K Singha. Both the current UG and PG students of the Department participated and enjoyed the Open House at Indian Institute of Chemical Biology (CSIR) on 24th September 2013.

List of Publications by the Teachers of the Department (January to December 2013):

Alayyoubi M, Guo H, Dey S, Miller JF, Ghosh P (2013). "Structure of the essential diversity-generating retroelement protein bAvd and its functionally important interaction with reverse transcriptase", Structure; 21(2): 266-76.

Banerjee S, Lu J, Cai Q, **Saha A**, Jha HC, Dzeng RK, Robertson ES. (2013). The EBV Latent Antigen 3C Inhibits Apoptosis through Targeted Regulation of Interferon Regulatory Factors 4 and 8. PLoS Pathog.; 9(5):e1003314.

doi: 10.1371/journal.ppat.1003314.

Basu, A., **Saha, S.**, Karmakar, S., Chakravarty, S., Banerjee, D., Dash, B.P., and Chakrabarti, A., (2013) 2D DIGE based proteomics study of erythrocyte cytosol in sickle cell disease: altered proteostasis and oxidative stress. *Proteomics*, vol. 13, p. 3233-3242.

Bhattacharjya S, Nath S, Ghose J, Maiti G P, **Biswas N**, Bhattacharyya N P, Bandyopadhyay S, Panda C K and Roychoudhury S. "miR-125b promotes cell death by targeting Spindle Assembly Checkpoint gene MAD1 and modulating mitotic progression". *Cell Death Differ.* 2013 Mar;20(3):430-42.

Bhattacharyya R., Das, S., Dey, A., Mukherjee, S. (2013).Antibacterial effect of Rhizobial exo-polysaccharide against some multidrug resistance human pathogens. In: *Natural Products: Research Review - Vol. 2*. Editor: Dr. Vijay Gupta. Daya Publisher, New Delhi. **In Press**.

Bhattacharyya R., Das, S., **Dey, A.**, Mukherjee, S. (2013).Antibacterial effect of Rhizobial exo-polysaccharide against some multidrug resistance human pathogens. In: *Natural Products: Research Review - Vol. 2*. Editor: Dr. Vijay Gupta. Daya Publisher, New Delhi. **In Press**.

Chakraborty I, Show S and Sikdar M. Searching for the anti-inflammatory activity of zinc oxide nano particle (znonps) suspensions in *Staphylococcus aureus* induced inflammatory rat model; ; *Int.Journal of Advances in Pharmaceutical Res.* Vol. 4 (10) ; 2331 – 2339.

Chakraborty, S., Sengupta, A. and Yutzy, K. (2013) Tbx20 promotes cardiomyocyte proliferation and persistence of fetal characteristics in adult mouse heart. *J. Mol. Cell Cardiol (USA)*, vol. 62, p. 203-213.

Chanda S, Dasgupta U B, Guha Mazumder D, Saha J, and Gupta B. Human GMDS gene fragment hypermethylation in chronic high level of arsenic exposure with and without arsenic induced cancer. 2: 557. 2013.

Chanda S, Dasgupta UB, Mazumder DG, Saha J, **Gupta B** (2013) Human GMDS Gene fragment Hypermethylation in Chronic high level of Arsenic Exposure with and without Arsenic Induced Cancer. *SpringerPlus (Springer)* [Accepted: In-Press] dx.doi.org/10.1186/2193-1801-2-557

Chaudhuri J, Chowdhury AA, **Biswas N**, Manna A, Chatterjee S, Mukherjee T, Chaudhuri U, Jaisankar P, Bandyopadhyay S. Superoxide activates mTOR-eIF4E-Bax route to induce enhanced apoptosis in leukemic cells. *Apoptosis*. 2013 Sep 20. [Epub ahead of print] PMID: 24052408

Chowdhury AA, Chaudhuri J, **Biswas N**, Manna A, Chatterjee S, Mahato S K, Chaudhuri U, Jaisankar J, Bandyopadhyay S. Synergistic apoptosis of CML cells by buthioninesulfoximine and hydroxychavicolcorrelates with activation of AIF and GSH-ROS-JNK-ERK-iNOS pathway. *PLOS One. PLoS One.* 2013 Sep 9;8(9):e73672. doi: 10.1371

Crespo, D., **Pramanick, K.** and Planas, J. V. (2013) Cytokines as intraovarian mediators of luteinizing hormone-induced ovulation in fish. (Book chapter). In: *Fish Reproduction and Immunology*. Ed. Senthilkumaran, B. Nova Science Publishers, New York.

Crespo, D., **Pramanick, K.**, Goetz, F. W., and Planas, J. V. (2013) Luteinizing hormone stimulation of in vitro ovulation in brook trout (*Salvelinus fontinalis*) involves follicle contraction and activation of proteolytic genes. *Gen. Comp. Endocrinol.* http://dx.doi.org/10.1016/j.ygcen.2013.02.031.

Das D, Das S, Bagchi A, Bhattacharya J, Maiti S, Mukherjee S, **Ghosh S**. Clinical and Electro-physiological study of peripheral nervous system in the geriatric age group in eastern part of India. *Biomedicine*, 33(2): 251-255. 2013.

Das, P., **Pramanick, K.**, Mukherjee, D. and Maiti, B. R. (2013) In vitro induction of oocyte maturation and steroidogenesis by gonadotropins, insulin, calcitonin and growth factor in an estuarine flat head grey mullet *Mugil cephalus* L. *Fish Physiol. Biochm.* DOI: 10.1007/s10695-013-9828-0.

Das.D, Das.S, Bhattacharya. J, Maiti.S, Mukherjee.S and **Ghosh.S**. Clinical and electro-physiological study of peripheral nervous system in geriatric age group in eastern part of India. *Biomedicine*, 32 (4): 2013.

Dey A, Gupta K, **Gupta B** (2013) Role of Polyamines in Plant-Pathogen Interactions. In: Anjum NA, Gill SS & Gill R (eds), *Amino Acids and Their Derivatives: Significance for Plant Stress Adaptations*, CABI, Oxfordshire, UK (In Press)

Dey, A., De, A., Ghosh, P. and **Mukherjee, S.** (2013) Altitude and tissue type influence antioxidant potential of *Pellia endivifolia* from Darjeeling Himalaya. *J. Bio. Sci. Epub.* (In Press)

Dey, A., Gupta, B., Gupta, K., 2013.Role of polyamines in plant-pathogen interactions. In: *Amino Acids and Their Derivatives: Significance for Plant Stress Adaptations*. Edited by Naser A. Anjum and Sarvajeet S. Gill. CABI, UK. In Press. http://bookshop.cabi.org/?page=2633&pid=2632&site=191#

Dey, A., Mukherjee, S., De, A. and Ghosh, P. (2013). Altitude and tissue type influence antioxidant potential of *Pellia endiviifolia* from Darjeeling Himalaya Journal of Biological Sciences. Epub. <http://scialert.net/onlinefirst.php?issn=1727-3048>

Ghosal S, Chakraborty I, Pradhan NK. *Jussiaea repens* (L) Induced Morphological Alterations in Epididymal Spermatozoa of Rat. *Int. J. Pharm. Sci. Rev. Res.*, 22(2), Sep – Oct 2013;nR 52. 2013, P -288-295.

Ghosal S, Chakraborty I, Pradhan NK. *Jussiaea repens* (L) Induced Morphological Alterations in Epididymal Spermatozoa of Rat. *Int. J. Pharm. Sci. Rev. Res.*, 22(2), Sep – Oct 2013;nR 52. 2013, P -288-295.

Ghosh, A., Maiti, G. P., Bandyopadhyay, M. N. et al. (2013) Inactivation of 9q22.3 tumour suppressor genes predict outcome for patients with head and neck squamous cell carcinoma. *Anticancer Res.*, vol. 33(3), p. 1215-1220

Gupta B, Gupta K, Huang B (2014) Role of Polyamines in Plant Abiotic Stress Responses. In: Pessarakli M (ed), *Handbook of Crop Stress Physiology*, CRC Press (Taylor & Francis), U.S.A (Accepted: In Press) <http://www.crcpress.com/product/isbn/9781466553286>

Gupta B, Gupta K, Mukherjee S (2013) Lipase production by *Serratia marcescens* strain SN5gR isolated from the scat of lion tailed macaque (*Macaca silenus*) in Silent Valley National Park, a biodiversity hotspot in India. *Annals of Microbiology*. 63(2):649-659 (Springer-Verlag) dx.doi.org/10.1007/s13213-012-0515-7 (IF: 1.549)

Gupta B, Sengupta A, Saha J, Gupta K (2013) Plant Abiotic Stress: 'Omics' Approach. *J Plant Biochem Physiol* 1: e108. (Invited Editorial Article: In-Press) dx.doi.org/10.4172/jpbp.1000e108 <http://www.esciencecentral.org/journals/plant-abiotic-stress-omics-approach-2329-9029.1000e108.pdf>

Gupta B, Sengupta A, Saha J, Gupta K (2013) Plant Abiotic Stress: 'Omics' Approach. *J Plant Biochem Physiol* 1: e108. (Invited Editorial Article: In-Press) <http://dx.doi.org/10.4172/jpbp.1000e108>

Gupta B, Gupta K, Mukherjee S (2013) Lipase production by *Serratiamarcescens* strain SN5gR isolated from the scat of lion tailed macaque (*Macacasilenus*) in Silent Valley National Park, a biodiversity hotspot in India. *Annals of Microbiology* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s13213-012-0515-7

Gupta K, Dey A, Gupta B (2013) Plant polyamines in abiotic stress responses. *Acta Physiol. Plant.* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s11738-013-1239-4

Gupta K, Dey A, Gupta B (2013) Plant polyamines in abiotic stress responses. *Acta Physiologiae Plantarum*. 35:2015-2036 (Springer-Verlag) dx.doi.org/10.1007/s11738-013-1239-4 (IF: 1.305)

Gupta, B., Dey, A., Gupta, K., 2013. Plant Polyamines in Abiotic Stress Responses. *Acta Physiologiae Plantarum*, 35: 2015-2036.

Gupta, B., Dey, A., Gupta, K., 2013. Polyamines and their Role in Plant Osmotic Stress Tolerance, in Climate Change and Plant Abiotic Stress Tolerance (eds N. Tuteja and S. S. Gill), Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany. doi: 10.1002/9783527675265.ch40

Gupta, K., Dey, A. and Gupta, B. (2013) Polyamines and their Role in Plant Osmotic Stress Tolerance, in Climate Change and Plant Abiotic Stress Tolerance (eds N. Tuteja and S. S. Gill), Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Germany. doi: 10.1002/9783527675265.ch40 <http://onlinelibrary.wiley.com/doi/10.1002/9783527675265.ch40/summary> and <http://onlinelibrary.wiley.com/doi/10.1002/9783527675265.fmatter/pdf>

In-Ja Song, Tae-Woong Bae, Ganesan M, Jeong-Il Kim, Hyo-Yeon Lee and Pill-Soon Song (2013) Transgenic Herbicide-Resistant Turfgrasses In: *Herbicides*; Editors A Price and J Kelton, Intech Publications, USA, pp 377 – 396 (Book review).

Jez JM, Dey S (2013), "The cysteine regulatory complex from plants and microbes: what was old is new again" *Current opinion in Structural Biology*; 23(2): 302-10.

Jha HC, Lu J, Saha A, Cai Q, Banerjee S, Prasad MA, Robertson ES. (2013). EBNA3C-mediated regulation of aurora kinase B contributes to Epstein-Barr virus-induced B-cell proliferation through modulation of the activities of the retinoblastoma protein and apoptotic caspases. *J Virol.*; 87(22):12121-38. doi: 10.1128/JVI.02379-13.

Jha HC, Upadhyay SK, AJ Prasad M, Lu J, Cai Q, Saha A, Robertson ES. (2013). H2AX phosphorylation is important for LANA-mediated Kaposi's sarcoma-associated herpesvirus episome persistence. *J Virol.*; 87(9):5255-69. doi: 10.1128/JVI.03575-12.

Kerry Love, Sangram Bagh, Jonghoon Choi, and J. Christopher Love (2013) Microtools for single-cell analysis in biopharmaceutical development and manufacturing, *Trends in Biotechnology* ,31, 280-286

Kobayashi Y, Ohyama Y, Kobayashi Y, Ito H, Iuchi S, Fujita M, Zhao CR, Tanveer T, Ganesan M, Kobayashi M, and Koyama H (2013) STOP2 activates transcription of several genes for Al- and low pH-tolerance that are regulated

by STOP1 in *Arabidopsis*, Molecular Plant (accepted). Impact factor 6.1

Kundu S, Prasad S K, Maji B, Ray D, **Syamal A K**, Mukherjee S. Nutritional status and productivity of female tea pluckers of a tea garden in dooars, west Bengal. *Int J Biol Med Res.* 4(2): 3101-3106. 2013.

Lucas, A. L., and **A. C. Manna**. Phenotypic characterization of sarR mutant in *S. aureus*. *Microbial Path.* 57: 52-61. 2013.

Maiti, G. P., Mondal, P., Mukherjee, N., **Ghosh, A.** et al. (2013) Overexpression of EGFR in head and neck squamous cell carcinoma is associated with inactivation of SH3GL2 and CDC25A genes. *PLoS I*, vol. 8(5), p. 1-14

Manna, A. C. Genetic interruption of target genes for investigation of virulence factors. *Methicillin-Resistant Staphylococcus aureus (MRSA) Protocols: Methods in Molecular Biology*. Vol.1085. Chapter 9. Y. Ji (ed). Springer Science + Business Media, LLC (Chapter). 2013.

Masanta N, **Pradhan NK**. Diet and nutritional status of Lodha population in Jhargram Sub - Division, West Bengal. Indian Biologists, vol. 45, no. 1. 2013

Mondal S, Mukherjee S, Chaudhuri K, Kabir SN, **Mukhopadhyay PK**. Prevention of arsenic-mediated reproductive toxicity in adult female rats by high protein diet. *Pharm Biol.* Jul 17. [Epub ahead of print] Early Online: 1-9. 2013.

Mukherjee P, Tyson Woods, Roger Moore and Peterson KE. (2013). Activation of the Innate Signaling Molecule MAVS by Bunyavirus Infection Upregulates the Adaptor Protein SARM1, Leading to Neuronal Death. *Immunity*, 38 (4):705

Mukherjee, S., De, A., **Dey, A.**, Ghosh, P., 2013. Antioxidative potential of three *Marchantia* sp. from Darjeeling Himalaya. In: Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics- Vol. 3. Editor: Dr. Vijay Gupta. Daya Publisher, New Delhi. In Press.

Mukherjee, S., Dey, A., De, A. and Ghosh, P. (2013) Antioxidative potential of two Darjeeling Himalayan *Marchantia* sp. M. paleacea and M. papillata. (Book chapter). In: Utilisation and Management of Medicinal Plants, vol. 2, M/s. Daya Pub. House, New Delhi. In Press.

Mukhopadhyay A, (2013) Physiology- Accepted Quiroz J and Wolkoff AW. Rab1a Regulates Sorting of Early Endocytic Vesicles. *American Journal* (accepted).

Mukhopadhyay PK , Dey A , Mukherjee S and Pradhan N K. The effect of coadministration of α -tocopherol and ascorbic acid on arsenic trioxide-induced testicular toxicity in adult rats. *J Basic Clin Physiol Pharmacol.* 24(4):245-53. 2013.

Pradhan N. K., Ghosal S. and **Chakraborty I** *S.repens L* is a non-toxic antigenadal herb – a dose dependent study on male rats. *Int J Pharm Bio Sci.* 4(2) 131-143. 2013.

Pradhan N. K., Ghosal S. and Chakraborty I *S.repens L* is a non-toxic antigenadal herb – a dose dependent study on male rats. *Int J Pharm Bio Sci.* 4(2) 131-143. 2013.

Pramanick, K., Kundu, S., Paul, S. et al. (2013) Changes in plasma steroid levels during oocyte development in Indian shad, *Tenualosa ilisha* (Hamilton, 1822): role of gonadotropins on in vitro steroid production and development of oocyte maturation competence. *Animal Repro. Sci.*, vol. 141(3-4), p. 177-88.

Mitra, D. and Stephen P Cramer. EXAFS and NRVS: A perfect marriage made at the Synchrotron. Flash report (one-page brief report on the new ideas and latest results that need to be urgently distributed to the community), published by International X-ray Absorption Society (IXAS), 2013

Saha A, Robertson ES. (2013). Impact of EBV essential nuclear protein EBNA-3C on B-cell proliferation and apoptosis. *Future Microbiol.*; 8(3):323-52. doi: 10.2217/fmb.12.147.

Saha J, Chatterjee C, Sengupta A, Gupta K, **Gupta B** (2013) Genome-wide analysis and evolutionary study of sucrose non-fermenting 1-related protein kinase 2 (SnRK2) gene family members in *Arabidopsis* and *Oryza*. *Computational Biology and Chemistry* (Elsevier) [Accepted: In-Press] dx.doi.org/10.1016/j.combiolchem.2013.09.005 (IF: 1.793)

Saha J, Chatterjee C, Sengupta A, **Gupta K**, Gupta B (2013) Genome-wide analysis and evolutionary study of sucrose non-fermenting 1-related protein kinase 2 (SnRK2) gene family members in *Arabidopsis* and *Oryza*. *Computational Biology and Chemistry* (Elsevier) [Accepted: In-Press]

Saha J, **Gupta K**, Gupta B (2013) A new insight into the phylogeny of vascular cryptogams with special reference to *Selaginella* and *Isoetes* inferred from nuclear ITS/5.8S rDNA sequences. *Journal of Plant Biochemistry and Biotechnology* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s13562-013-0198-6

Saha J, Gupta K, Gupta B (2013) In silico characterization and evolutionary analysis of CCAAT binding proteins in the lycophyte plant *Selaginella moellendorffii* genome: a growing comparative genomics resource. *Computational Biology and Chemistry* (Elsevier) [Accepted:InPress] <http://dx.doi.org/10.1016/j.combiolchem.2013.08.001>

Saha J, Gupta K, Gupta B (2013) A new insight into the phylogeny of vascular cryptogams with special reference to *Selaginella* and *Isoetes* inferred from nuclear ITS/5.8S rDNA sequences. *Journal of Plant Biochemistry and Biotechnology* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s13562-013-0198-6 (IF: 0.414)

Saha J, Gupta K, Gupta B (2013) Phylogenetic analyses and evolutionary relationships of *Saraca asoca* with their allied taxa (Tribe-Detarieae) based on the chloroplast *matK* gene. *Journal of Plant Biochemistry and Biotechnology* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s13562-013-0237-3 (IF: 414)

Saha J, Gupta K, Gupta B* (2013) In silico characterization and evolutionary analysis of CCAAT binding proteins in the lycophyte plant *Selaginella moellendorffii* genome: a growing comparative genomics resource. *Computational Biology and Chemistry* (Elsevier) [Accepted: In-Press] dx.doi.org/10.1016/j.combiolchem.2013.08.001 (IF: 1.793)

Saha J, Gupta K, Gupta B* (2013) Phylogenetic analyses and evolutionary relationships of *Saraca asoca* with their allied taxa (Tribe-Detarieae) based on the chloroplast *matK* gene. *Journal of Plant Biochemistry and Biotechnology* (Springer-Verlag) [In-Press] dx.doi.org/10.1007/s13562-013-0237-3

Saha J, Mukherjee S, Gupta K, Gupta B (2013) High-Performance Thin-Layer Chromatographic Analysis of Antioxidants Present in Different Parts of *Saraca asoca* (Roxb.) de Wilde. *Journal of Pharmacy Research* (Elsevier) 7(9): 798-803 <http://dx.doi.org/10.1016/j.jopr.2013.10.004>

Saha J, Mukherjee S, Gupta K, Gupta B (2013) High-Performance Thin-Layer Chromatographic Analysis of Antioxidants Present in Different Parts of *Saraca asoca* (Roxb.) de Wilde. *Journal of Pharmacy Research* (Elsevier) [Accepted: In-Press] dx.doi.org/10.1016/j.jopr.2013.10.004

Sarkar, N. K. (2013) Lead (Pb) induced anaemia in Swiss mice - Light and scanning electron microscopic studies. *Int. J. Pharm. Bio. Sci.*. vol. 4(1), p. 22-30

Chanda, S. Invited Monograph Arsenic Induced Cancer. Epigenetics Joins Genetics. Lambert Academic Publisher. 2013. Germany.

Chanda, S. Invited Book Chapter: Arsenic Induced Health Hazards, In Industrial Exposure and Health Hazards in Public sector. 2013. Editors Ramasangaran & Saraswati Ranganathan. Publisher Archers and Elevators. Bangalore. India.

Sengupta, S., De Piccoli, G. van Deursen, F. and Labib K. (2013) Dpb2 integrates the leading strand DNA polymerase into the eukaryotic replisome. *Cur. Biol.*, vol. 23, p. 543-552.

Show S, Chakraborty I and Sikdar M. *Catharanthus roseus*: as a Bacteriostatic Inhibitor of Antibiotic Resistant *Staphylococcus aureus* Strain; *Int.J.Advances in Pharmaceutical Res.* Vol. 4(11) ;2469 - 2474. ISSN: 2230 – 7583. 2013.

Show S, Chakraborty I and Sikdar M. *Catharanthus roseus*: as a Bacteriostatic Inhibitor of Antibiotic Resistant *Staphylococcus aureus* Strain; *Int.J.Advances in Pharmaceutical Res.* Vol. 4(11) ;2469 - 2474.

Yeting Zhang, Monica Fernandez-Aparicio, Eric K Wafula, Malay Das, Yuannian Jiao, Norman J Wickett, Loren A Honaas, Paula E Ralph, Martin F Wojciechowski, Michael P Timko, John I Yoder, James H Westwood and Claude W dePamphilis (2013). Evolution of a horizontally acquired legume gene, albumin 1, in the parasitic plant *Phelipancheaegyptiaca* and related species. *BMC Evolutionary Biology* 13:48

Yi H, Dey S, Kumaran S, Lee SG, Krishnan HB, Jez JM (2013), "Structure of soybean serine acetyltransferase and formation of the cysteine regulatory complex as a molecular chaperone", *J Biol Chem.*

Seminar Lectures Delivered / Workshop Attended as resource person by Teachers:

Prof Adhar C. Manna

1. International Course on Laboratory Animal Sciences, IGIB, New Delhi, Nov.18-29, 2013.

Prof. Devashish Sen

1. Attended the Human Work and Work Environment (HWWE) meeting from 4-6 December 2013 at Vidyasagar University, Midnapore, West Bengal and presented a lecture entitled "An attempt to develop noise map of Kolkata in horizontal and vertical plane."
2. Attended the Silver Jubilee Conference Of The Physiological Society of India, PHYSICON 2013, Indo-Brazilian Annual Cooperation International Symposium at Narketpally, from 9th.- 11th. December 2013 and presented

the key note lecture entitled “Teaching of Physiology as Basic Science – Prospects and Limitations.”

3. Attended the 34th Annual Conference of Indian Association of Biomedical Scientists will be held at Dr. ALM. PGIBMS, University of Madras, Tharamani Campus, Chennai - 600 113 from 27 to 29 December, 2013 and gave an oral presentation entitled “ 2D: 4D ratio in prediction of aggression amongst children.”

Dr. Indrani Chakraborty

1.Chakraborty, B. Santra, C. Bose, S. Ghosal, N. Pradhan. presented a paper on “Effect of mangiferin (Mangifera indica) bark extract on hyperglycemic patients-a trial for diabetic amelioration.20th. State Science Congress, at BESU, Shibpur.

Nirmal Pradhan, Subhasis Ghoshal, Koustav Roy. Indrani Chakraborty. presented a paper on “Evolution of contraceptive nature of *Jussiaea repens*,l. by mating studies in male rats”. UGC sponsored NATIONAL Seminar at Mrinalini Data College, Kolkata.Dr. Kamala Gupta

Dr. Kamala Gupta

Invited talk on “Role of Polyamines in Plant Abiotic stress” Organised by Plant Physiology Forum and Bose Institute jointly at Dept of Botany, University of Calcutta

Dr. Mausumi Sikdar

1. Attended the 34th Annual Conference of Indian Association of Biomedical Scientists will be held at Dr. ALM. PGIBMS, University of Madras, Tharamani Campus, Chennai - 600 113 from 27 to 29 December, 2013 and gave an oral presentation entitled “ Psidium guajava leaf extracts with activity against oral bacteria: Potential application in the prevention and treatment of oral diseases.”

Dr. Nirmal K. Pradhan

S.Ghoshal N.Pradhan I.Chakraborty. presented a paper on “Structural alteration of epididymal spermatozoa and testicular functions of administered with aqueous extract of *Jussiaea repens* (L) in male wistar rats.20th. State Science Congress, at BESU, Shibpur.

R.Banerjee, N.K.Sarkar, N.K. Pradhan. presented a paper on “Potassium Di Cromate affects the histomorphology of testis in swiss mice.”20th. State Science Congress, at BESU, Shibpur.

Nimai Masanta, Nirmal Pradhan. presented a paper on Nutritional status of pubertal santal women in Jhargram sub division of Paschim Medinipore District,West Bengal. UGC sponsored NATIONAL SEMINAR, at Mrinalini Data College, Kolkata.

Dr. Prabir Kumar Mukhopadyay

1. Attended the Human Work and Work Environment (HWWE) meeting from 4-6 December 2013 at Vidyasagar University, Midnapore, West Bengal and gave oral presentation entitled “Protective role of α -tocopherol and ascorbic acid on arsenic toxicity α (‘ $\frac{3}{4}$ – Studies on adult male Wister rats.”

27 to 29 December, 2013 and gave the plenary lecture entitled “Arsenic effect on reproductive system of adult male rats- A corrective approach by combined application of vitamin E and C.”2. Attended the 34th Annual Conference of Indian Association of Biomedical Scientists will be held at Dr. ALM. PGIBMS, University of Madras, Tharamani Campus, Chennai - 600 113 from

Dr. Rabindranath Bhattacharyya

1. Invited as resource person in Refresher’s course on “Directions of pharma research to achieve pharma excellence in 2025 of quality improvement program. 8th Jan to 25th Jan, 2013under auspices of AICTE, Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata.

2. Invited as resource person in Refresher’s course on “Innovation and excellence in pharmaceutical sciences” of quality improvement program. 16th July to 29th July, 2013Dept. of Pharmaceutical Technology, Jadavpur University, Kolkata.

Dr. Shampa Sarkar (Biswas)

1. Attended the Gordon Research Conferences on “Germinal Stem Cell Biology” At Chinese University of Hong Kong, Hong Kong from 14th July 2013- 20th July 2013. Presented a paper Titled “The size of ovarian follicular reserve inversely modulates the rate of follicular atresia”

Dr. Sukumar Sarkar

Sukumar Sarkar, Sabyasachi Mukherjee, Keya Ganguly, Presented a poster on “Protecting Sundarban- A Real Challenge”, National seminar on “Save the National Heritage- The Sundarban” To commemorate the Birth Day (Geography Day) celebration of Padmabhusan Prof. S.P.Chatterjee Organised by Bangiyo Bhugol Mancha at

Meghnad Saha Auditorium, Raja Bazar Science College Campus, University of Calcutta, 16-17 February, 2013

Sukumar Sarkar and Keya Ganguly, Presidency University, and Reya Ganguly, Asutosh College, Presented a poster on "Ocean Garden- A conceptual Model for reclamation of Ocean from Pollution", in National Seminar on Recent Trends in Marine and Estuarine Sciences, NSRTMES 2013 Organised by Department of Marine Science & DST-Purse University of Calcutta, Centre for Research in Nanoscience and Nanotechnology (CRNN) Technology Campus, University of Calcutta, 21-22 June 2013

Sukumar Sarkar and Keya Ganguly, Presidency University; Reya Ganguly, Asutosh College; Presented a poster on "An Exhortation for Repossession of Active Mangrove Ecosystem UGC Sponsored National Seminar on Marine Biodiversity of India: Threats and Prospects", Organised by Department of Zoology, Raja Peary Mohan College, Uttarpara, West Bengal in collaboration with Social Environmental and Biological Association, Kolkata, 24th and 25th September 2013

7. Staff List

A. Teaching:

- Madhurbrata Choudhury, Associate Professor and Head of the Department
- Adhar Manna, Professor
- Devashish Sen, Professor
- Nirmal Kumar Sarkar, Professor
- Abhijit Dey, Assistant Professor
- Abhik Saha, Assistant Professor
- Amlan Ghosh, Assistant Professor
- Aparna Mukhopadhyay, Assistant Professor
- Atreyi Chatterjee (nee Ghatak), Assistant Professor
- Bhaskar Gupta, Assistant Professor
- Devrani Mitra, Assistant Professor
- Kalyan Giri, Assistant Professor
- Kamala Gupta, Assistant Professor
- Kousik Pramanick, Assistant Professor
- M Ganesan, Assistant Professor
- Madhuchhanda Mandal, Assistant Professor
- Malay Das, Assistant Professor
- Mausumi Sikdar (Nee Bhakta), Assistant Professor
- Nabendu Biswas, Assistant Professor
- Paramita Chaudhuri Basu, Assistant Professor
- Piyali Mukherjee, Assistant Professor
- Prabir Kumar Mukhopadhyay, Associate Professor
- Pralay Majumdar, Assistant Professor
- Puja Ray, Assistant Professor
- Rabindranath Bhattacharyya, Associate Professor
- Ranjana Pal, Assistant Professor
- Sanghamitra Dey, Assistant Professor
- Sangram Bagh, Assistant Professor
- Santanu Chakraborty, Assistant Professor
- Shampa Sarkar (Biswas), Assistant Professor
- Sharmistha Chanda, Assistant Professor
- Souryadeep Mukherjee, Assistant Professor
- Sugopa Sengupta, Assistant Professor
- Sukumar Sarkar, Associate Professor
- Sumit Mandal, Assistant Professor

- Sumita Ghosh, Associate Professor
- Sutapa Saha, Assistant Professor
- Abhijit Datta, Associate Professor (Till Dec 2013)
- Alak Kumar Syamal, Associate Professor (Till Nov 2013)
- Indrani Chakraborty, Associate Professor (Till Nov 2013)
- Nirmal K. Pradhan, Associate Professor (Till Nov 2013)
- Satadip Sarkar, Associate Professor (Till Dec 2013)
- Subrata Ghosh, Associate Professor (Till Nov 2013)

Guest faculties:

- i. Prof. GourGopalMaiti (Kalyani University)
- ii. Dr. Tarit Kumar Sadhu (Retired, Presidency College)
- iii. Dr. SamarendranathGhosh (Retired, Presidency College)

B. Non-Teaching:

BinaHela
Dibyendu Majumdar
Gobinda Chandra Nath
Jharna Sarkar
Kashinath Mandal
Maya Hazra
Raja Hela
Sanjoy Das
Sankar Hela
Santosh Sasmal
Shyamal Kanti Singha
Sujit Das
Sukumar Barua
Sushanta Roy
Sushil Kumar Barik
Tapan Kumar Datta
Tarun Kanti Roy
Tushar Chakraborty

Department of Chemistry

News from the Department

With its glorious heritage and long history as a Department of the erstwhile Presidency College, the Department of Chemistry started functioning as one of the best department of Presidency University from 2011. Despite acute shortage of teaching and non-teaching staffs the department maintained its full academic activities. Recently the Department has been awarded by the **DST, Government of India**, with a grant of **Rs. 2.05 Crores** [Level-I Award under *FIST* Scheme] for upgrading its teaching and research facilities. After a long waiting for few decades, the department received the sanction for a **NMR spectrometer (400 MHz)** under the **DST-FIST** Scheme.

First batch of the Post graduate level just received their M.Sc Degree in Chemistry in 2013. Sri Sudipta Bera stood first in the batch and was awarded with gold medal.

Four Assistant professors (Dr. Koen Ghosh, Dr. Pulak Kumar Ghosh and Dr. Arnnab Halder and Dr. Biplob Biswas) joined the department.

A number of seminars were organized by the department in which faculty members from National and International levels delivered the talks. The Department has been successfully maintaining its tradition and is moving forward as to the performance of the students at the National level. This is the first time that three B.Sc (Chem Hons) students successfully qualified in NET examination considered as research entrance test in the National level Institutes after M.Sc degree.

Results: Undergraduate Level

B. Sc Part-III (1+1+1) Chem Hons Examination 2013: Appeared: 36; Ist Class: 29; Highest: 83.75% (Miss Nandini Kundu, University (C.U) Rank 2nd); 19 students scored above 70% marks in Chemistry Hons; Rank in the University 2nd, 3rd, 4th, 5th.

B. Sc Part-III (1+1+1) Biochem Hons Examination 2013: Appeared: 6; Ist Class : 5 ; Highest 80.25% (Miss Nairita Maitra, Rank in the University(C.U): 1st), 4 students scored 70% and above marks.

B. Sc (Chem Major) Sem-V Examination 2013: Appeared 27; Highest: SGPA Major 9.4 (Miss Apala Chaudhury)

B. Sc (Chem Major) Sem-III Examination 2013: Appeared 34; Highest: SGPA Major 9.0 (Miss Moumita Chakraborty, Miss Ananya Sah, Sri Soumyajit Mitra, Sri Anirban Mishra.)

B. Sc (Chem Major) Sem-I Examination 2013: Appeared 34; Highest: SGPA 9.0 (Sri Srijon Ghosh)

B. Sc (Biochem Major) Sem-V Examination 2013: Appeared 6; Highest: SGPA Major 9.4 (Sri Rupam Bhatterjee)

B. Sc (Biochem Major) Sem-III Examination 2013: Appeared 9; Highest: SGPA Major 8.4 (Sri Krishnendu Roy)

30 U.G (Chem.. Hons) students qualified in JAM (IIT Entrance) Examination 2013 and TIFR Admn test to join different IIT's and I.I.Sc Bangalore, TIFR, Mumbai, JNCASR, Bangalore, Hyderabad Central University etc for their higher studies.

Three B.Sc Chem Hons students qualified in CSIR-NET Examination 2013 too with the all India Rank 6 (Sri Pranoy Roy), 59 (Sri Subrata Kuila) and 72 (Sri Argha Dutta) respectively.

Postgraduate Level:

M. Sc (Chemistry) 2013 Examination 2013 (first batch of Presidency University): Appeared 32; Ist Class (equiv) 30; 1st in the Examination: Sri Sudipta Bera; CGPA 8.25 out of 10.

M. Sc (Chemistry Major) PG-I Sem-II Examination 2013: Appeared 25, Highest: SGPA 8.4 (Miss Leena Majumder and Sri Sourav Mal).

A total of 11 students (8 Postgraduates student and 3 under graduate students) have qualified in NET-CSIR / UGC / GATE/ LS Examination 2013.

3 Research Scholars (Ranjit De and Amritendu Chatterjee from North Bengal University /under the supervision of Prof. Bijan Das; Tina Basu (from Calcutta University/under the supervision of Dr. U.C. Ghosh) have been awarded with Ph.D. degree.

Seminars organized by the Department and visitors to the Department

Name of the Speaker/Visitor	Institutional Address	Topic
Prof. Nilashis Nandi (February 27, 2013)	Department of Chemistry, University of Kalyani, Kalyani, Nadia	Reactions in Biological Nanospaces.
Dr. Rahul Banerjee (March 26, 2013)	National Chemical Laboratory, Pune	Porous Metal Organic Frameworks (MOFs) for Hydrogen Storage and CO ₂ Sequestration Applications.
Dr. Debashree Ghosh (April 3, 2013)	National Chemical Laboratory, Pune	Electronic Structure Theory.
Dr. Debanjan Guin (September 6, 2013)	National Chemical Laboratory, Pune	Application Oriented Synthesis and Surface Modification of Metal/Metal Oxide Nanocrystals.
Dr. Barun Das (September 18, 2013)	Department of Chemistry & Biochemistry, Arizona State University, Tempe, USA	Investigations of Graphene, Noble Metal Nanoparticles and Synthesis of Nanoporous Transparent Conducting Oxide (TCO).
Dr. Ajaya Bhattacharai (September 25, 2013)	Faculty of Chemistry, University of Warsaw, Poland	UV-VIS Investigation of beta- Carotene and Morin in Presence of AOT/Ethanol System.

Research Activities in the Department:

Title of the Project	Principal & Co- investigators	Funding Agency	Amount	Research Worker
Studies towards the synthesis of biologically active natural and non-natural furoquinones, furo-macrolides and their thiophene analogs	Prof. Gandhi K. Kar	DST-SERB (Project No. SR/S1/OC-30 / 2011 dated 9.3.2012)	Rs. 23,00,000/- (for 3 years) (Amount sanctioned for the current year Rs.3,00,000/-)	Rumpha Hajra Faruk H. Saik; Tuhin B. Maiti, Aparna Sarkar (All are part time research fellow)
Studies towards the synthesis of condensed heterocycles via alkynylation, arylation and olefination of α -halo- α , β -unsaturated aldehyde intermediates	Prof. Gandhi K. Kar	CSIR [08/155 (0040)/2010- EMR-1]	Rs 3,04,400/- (per year/ Scholar's fellowship & contingency)	Moumita Rakshit (NET-CSIR/ SRF)
Interaction between polyelectrolytes and surface active ionic liquids	Prof. Bijan Das	DST [SR/S1/PC- 67/2010]	Rs. 30,35,800 (for 3 years) (Amount sanctioned for the current year Rs.7,15,525/-)	Dhiman Ray (JRF)
Design and synthesis of fluorescent organosulfur compounds to study their anti-cancer potentials	Dr. Krishna Pada Bhabak	UGC (Start-up grant)	Rs. 6,00,000/- (for 2 years)	Nil

Title of the Project	Principal & Co- investigators	Funding Agency	Amount	Research Worker
Enhancement of the anti-cancer properties of lipids: Possible role of antioxidants towards cancer	Dr. Krishna Pada Bhabak	DST-INSPIRE Faculty Award	Rs. 35,00,000/- (for 5 years)	Nil
Development of novel thienopyrimidine for pharmaceutical composition to eliminate human cancers and imaging lead	Dr. Anjoy Majhi	DST-FAST Track	Rs. 23,00,000/- (for 3 years)	Nil
Development of novel protein kinase C (PKC) modulators for early diagnosis of human cancers and imaging lead	Dr. Anjoy Majhi	UGC (Start up Grant)	Rs. 6,00,000/- (for 2 years)	Nil
Synthesis, Characterization and Properties of New Boron-doped Graphenes	Dr. P. Sasikumar	UGC (Start up Grant)	Rs. 6,00,000/- (for 2 years)	Nil
New Boron-containing polymeric hybrid Materials	Dr. P. Sasikumar	DST-FAST Track	Rs. 23,00,000/- (for 3 years)	Nil
Design and Synthesis of chiral NHC ligands for asymmetric reactions	Dr. Koen Ghosh	DST-FAST Track	Rs. 25,40,000/- (for 3 years) (Amount sanctioned for the current year Rs. 7,50,000)	Nil
Photoinduced energy transfer /electron transfer in systems consisting of multiple donors and acceptors and stepwise unfolding of multityryptophan proteins.	Dr. Sanjib Ghosh	DST (Project No. SB/S1 /PC-003/2013)	Rs. 55,00,000/- (for 3 years)	Moumita Mukherjee (Project Asst.) Anirban Pal (Part time fellow) Sagarika Sanyal (Part time fellow)
Photophysical aspects and photoinduced energy transfer /electron transfer in ternary system consisting of two donors and one acceptor	Dr. Sanjib Ghosh	CSIR (Project No. 21(0871)/11 /EMR-II)	Rs.15,86,685/- (3 years) Amount sanctioned for current year : Rs.4,30,800/-	Sugata Samanta (SRF)
Photoinduced energy transfer, photophysical aspects, and docking studies of biomolecules and their interaction with other molecules.	Dr. Sanjib Ghosh	DST (Project No. SR/S1/PC- 57/2008)	Rs. 56,00,000/- (completed in March 2013)	Dr. Pinki Saha Sardar (RA)
Photophysical aspects and docking studies of the interaction of biomolecules with other molecules	Dr. Sanjib Ghosh	CSIR, (Project No.08/155 (0046)/2013- EMR-I)	Rs. 3,04,400/- per year/(Scholar's fellowship & contingency)	Manini Mukherjee (SRF)
Photophysical aspects and docking studies of biomolecules with emphasis on photoinduced energy transfer.	Dr. Sanjib Ghosh	CSIR, (Project No. 08/155 (0038)/ 2009-EMR-I)	Rs.2,03,000/- (per year/Scholar's fellowship & contingency till October 2013)	Shyamal Kr. Ghosh (now part time fellow)

Title of the Project	Principal & Co- investigators	Funding Agency	Amount	Research Worker
Time resolved emission studies in protein and peptides at different temperatures.	Dr. Sanjib Ghosh	CSIR, (Project No.08/155 (0039)/2009-EMR-I)	Rs.3,04,400/- (per year/Scholar's fellowship & contingency)	Swarna K. Samanta (SRF)
Synthesis characterization and evaluation of some polymer nanocomposites based on nanodimensional polyvalent transition metal mixed oxides.	Dr. Uday Ch. Ghosh (PI), Dr. Arup K. Ghosh (Co-I) & Dr. A. De (Co-I) (CSD, SINP)	CSIR, (01,2393, EMR-II) 11,21,400/- (for 3 years)	Amount sanctioned for current year: Rs.113600/-	Debabrata Nandi (JRF)
Design, consideration and field performance validation of high Arsenic removal water filter packed with lab –bench developed material: A lab to field technology transfer programme.	Dr. Uday Ch. Ghosh (Co-I) (DSTEmeritus scientist) and Dr. S. Chakrabarti (P.I. ESM Dept.)	DST/TM/ WTI/2K11 /299(G)]	Rs.19,46600/- (for 3 years) Amount sanctioned for current year: Rs. 835800/-	Abir Ghosh (JRF)
Management performance of arsenic saturated solid material/ sludge	Dr. Uday Ch. Ghosh (Co-I)and Dr. J.Mukhopadhyay (P.I., Geology Dept.)	DST (for 1 years)	Rs. 10,21,800/- (for 2013-14)	Pampa Bhattacharya (WomenScientist)

In addition to the above projects **Dr. Pinki Saha Sardar** Ex. Research Associate in Chemistry, has been awarded with a **DST-Fast Track project** Scheme for Young Scientist (Registration No. CS-328/2012 dated 4.12.2012) to work in this department.

Other Academic Activities:

- i) **Prof. Gandhi Kumar Kar** attended the “International Symposium on Molecular Organization and Complexity: A Chemical Perspective (ISMOC)” organized by the Department of Chemistry, University of Calcutta during February 6-8, 2013. A poster entitled “Search for novel monocyclic γ -lactam derivatives as possible antibacterial agents:Studies on the Suzuki reaction in N-aryl part of the structurally designed monocyclic γ -lactam carboxylic acid derivatives” by P. Patra, G. K. Kar,; was presented in the symposium [*Proceedings of the International Symposium on (ISMOC 2013), 2013* (Feb.6-8, 2013), page 28]
- ii) **Prof. Bijan Das** attended an International Symposium on Molecular Organization and Complexity: A Chemical Perspective organized by the Department of Chemistry, University of Calcutta during February 6-8, 2013. A poster entitled “Counterion Condensation Behavior in Sodium Polystyrenesulfonate-Ethylene Glycol-water Mixed Ternary System” by A. Chatterjee, C. Das and B. Das was presented from his group.
- iii) **Dr. Krishna Pada Bhabak** participated and delivered an Oral Presentation in the UGC-sponsored National Symposium on “Current Trends in Chemistry” in Department of Chemistry, Sripat Singh College, Murshidabad during December 23-24, 2013.
- iv) **Dr. Anjoy Majhee** participated and delivered an Oral Presentation entitled “Development of Novel Analogues of Resveratrol and Genistein as Potent Modulators of Protein Kinase C (PKC)” in the UGC-sponsored National Symposium on “Current Trends in Chemistry” in Department of Chemistry, Sripat Singh College, Murshidabad during December 23-24, 2013.
- v) **Dr. Adity Bose** participated and delivered an Oral Presentation entitled “Effect of substitution on electron transfer and hydrogen abstraction in micellar medium” in the UGC-sponsored National Symposium on “Current Trends in Chemistry” in Department of Chemistry, Sripat Singh College, Murshidabad during December 23-24, 2013.

- vi) **Dr. Biplab K. Ghosh** delivered an invited talk in the Symposium on quantum simulation at IISc, Bangalore, September 2-3, 2013. Title of talk: Quantum effect in charge and energy transfer mechanism in photosynthesis.
- vii) A poster entitled “Exploring Structural and Functional Aspects of MPT63 Protein: A Study by Singlet State and Low Temperature Triplet State Spectroscopy” by Manini Mukherjee, Ranendu Ghosh, Krishnananda Chattopadhyay, **S. Ghosh** was presented at “National Symposium on Radiation and Photochemistry”, NEHU, Shillong, March, 2013. The poster was selected as one of the best poster in NSRP 2013 to award **Manini Mukherjee**.
- viii) **Dr. S. Bagchi** acted as a resource person in the Refresher Course organized by ASC, Burdwan University. Delivered a talk on History of Science, August 2013.
- ix) **Dr. S. Bagchi** acted as a resource person in a Summer School organized by ACS, Burdwan University. Delivered a talk on LASER: Principles and Applications.
- ix) **Dr. S. Bagchi** delivered a talk at IISER-Kolkata entitled “nurturance program for National Talent Search awardees” during the 9th -13th December, 2013. Topic: A guided tour through chemistry.
- x) **Dr. S. Bagchi** delivered a lecture on “Spectroscopy and its chemical application” in a lecture workshop organized by Indian Academy of Science held at Deogarh.

List of Publication

Research paper in peer reviewed National and International journals:

Patra, P. and **Kar, G. K.** (2013) Studies on the Suzuki reaction on methyl 1-(2-bromoaryl)-5-oxo-3-aryl/heteroaryl-pyrrolidin-2-carboxylate derivatives: Synthesis of N-aryl modified monocyclic α -lactam derivatives in search for newer antibacterial agents. *Tetrahedron Letters* (in press) (doi.org/10.1016/j.tetlet.2013.11.009) (Impact factor: 2.397).

Chatterjee, A. and **Das, B.** (2013) Radii of Gyration of Sodium Carboxymethylcellulose in Aqueous and Mixed Solvent Media from Viscosity Measurement. *Carbohydrate Polymers*, vol. 98, p. 1297-1303 (Impact factor: 3.479).

Sharma, R., Das, C, Dahal, S. and **Das, B.** (2013) Polyion-Counterion Interactions in Sodium Carboxymethylcellulose – Ethylene Glycol – Water Ternary Solutions. *Carbohydrate Polymers*, vol. 92, p. 1546-1554 (Impact factor: 3.479).

Gupta, S, Chatterjee, A, Das, S., Basu, B. and **Das, B.** (2013) Electrical Conductances of 1-Butyl-3-propylimidazolium Bromide and 1-Butyl-3-propylbenzimidazolium Bromide in Water, Methanol, and Acetonitrile at 308, 313, and 318 K at 0.1 MPa. *J. Chem. Eng. Data*, vol. 58, p. 1-6. (Impact Factor: 2.004).

Bhabak, K. P., Hauser, A., Redmer, S., S Banhart, D Heuer and C Arenz (2013) Development of a Novel FRET Probe for the RealTime Determination of Ceramidase Activity. *ChemBioChem* vol. 14, p. 1049-1052. (Impact factor: 3.74).

Bhabak, K. P., Bhowmick, D., Mugesh, G (2013) Synthetic glutathione peroxidase mimics: Effect of nucleophilicity of the aryl thiol cofactor on the antioxidant activity. *Ind. J. Chem. A* vol. 52A, p. 1019-1025. (Impact factor: 0.79).

Bhabak, K. P., Kleuser, B., Huwiler, A., Arenz, C. (2013) Effective Inhibition of Acid and Neutral Ceramidases by Novel B-13 and LCL-464 Analogues. *Bioorg. Med. Chem.* vol. 21, p. 874-882 (Impact factor: 2.90).

Wu, H., Downs, D., **Ghosh, K.**, Ghosh, A. K., Staib, P., Monod, M. and Tang, J. (2013) *Candida albicans* secreted proteases 4-6 induce apoptosis of epithelial cells by a novel ‘Trojan Horse Mechanism. *The FASEB J.*; vol. 27, p. 2132-2144 (Impact factor: 5.70).

Ghorai, M. K., **Ghosh, K.**, Yadav, A. K., Nanaji, Y., Halder, S. and Sayyd, M. (2013) Memory of Chirality (MOC) concept in imino-alcohol reaction: Enantioselective synthesis of α , α diamino esters and aziridines. *J. Org. Chem.* vol. 78, p. 2311-2326 (Impact factor: 4.56).

Ghosh, P.K., Misko, V. R., Marchesoni, F and Nori, F. (2013) Self-Propelled Janus Particles in a Ratchet: Numerical Simulations, *Physical Review Letters*, vol. 110, p. 268301 (Impact factor: 7.943).

Mora, E., Maria, L., **Biswas, B.**, Camp, C. Santos, I. C., Pécaut, J., Cruz, A., Carretas, J. M., Marçalo, J, and Mazzanti, M. (2013) Diamine Bis(phenolate) as Supporting Ligands in Organoactinide(IV) Chemistry. Synthesis, Structural Characterization and Reactivity of Stable Dialkyl Derivatives, *Organometallics* vol. 32, p. 1409–1422 268301 (Impact factor: 4.145).

M. Das, S. K. Sardar, **S. Bagchi** (2013) Electronic spectra and (hyper)polarizabilities of ketocyanine dye complexes with metal ions, *J. Mol. Struct.* vol. 23, p. 1033 (Impact factor: 1.404).

Bagchi, S. (2013) UV-Vis spectral investigation of photophysical properties of a solvatochromic electron donor/acceptor dye within a reverse micelle domain, *Chem. Phys. Lett.* (in press) DOI: 10.1016/J/cplett.2013.12.014 (Impact factor: 2.145).

Patra, S. C., Chaudhuri, S., Saha Roy, A., Saha Sardar, P., **Ghosh, S.**, Weyhermüller, T., and Ghosh, P. (2013) Zinc(II), iron(II/III) and ruthenium(II) complexes of o-phenylenediamine derivatives: oxidative dehydrogenation and photoluminescence, *Dalton Transactions*, 42, 15028-15042 (doi: 10.1039/C3DT51771C) (Impact factor: 3.838).

Kundu, S., Maity, S., Saha Sardar, P., **Ghosh, S.** and Ghosh, P. (2013) Mono-and di-nuclear photoluminescent complexes of zinc(II), cadmium(II) and mercury(II) of a chiral diimine ligand, *Dalton Transactions*, vol. 42, 13026-13035 (doi: 10.1039/C3DT51348C) (Impact factor: 3.838).

Mukherjee, M., Saha Sardar, P., Ghorai, S. K., Samanta, S. K., Singha Roy, A., Dasgupta, S., and **Ghosh, S.** (2013) A Comparative Study of Interaction of Tetracycline with Several Proteins Using Time Resolved Anisotropy, Phosphorescence, Docking and FRET. *PLoS ONE*, vol 8 (4), 60940-60956 (doi: 10.1371/journal.pone.0060940) (Impact factor: 4.092).

Abtab, Sk. Md. T., Audhya, A., Kundu, N., Samanta, S. K., Saha Sardar, P., **Ghosh, S.** and Chaudhury, M., (2013) Tetranuclear homo- (Zn^{II}_4 and Cd^{II}_4) and hetero-metal ($Zn^{II}_2Tb^{III}_2$ and $Cd^{II}_2Tb^{III}_2$) complexes with a pair of carboxylate ligands in a rare $\text{c}^2\text{:c}^2\text{:i}^4$ -bridging mode: syntheses, structures and emission properties, *Dalton Transactions*, vol. 42(5), 1848-1861 (doi: 10.1039/C2DT30347G) (Impact factor: 3.838).

Ghorai, S. K., Samanta, S. K., Mukherjee, M., Saha Sardar, P., **Ghosh, S.** (2013) Tuning of "antenna effect" of Eu(III) in ternary systems in aqueous medium through protein binding, *Inorganic Chemistry*, vol. 52, 1476-1487 (d.o.i: 10.1021/ic302218m) (Impact factor: 4.611).

Samanta, S. K., Ghorai, S. K., and **Ghosh, S.** (2013) Efficient antenna effect in the complex of (+) Catechin and Tb(III) lodged inside the nano cavity of β -cyclodextrine. *J. Photochemistry Photobiology A; Chemistry*, vol. 252, 145- 151 (d.o.i: org/10.1016/j.jphotochem.2012.11.014) (Impact Factor: 2.421).

Roy, A., Mukherjee, M., Mukhopadhyay, S., Maity, S. S., **Ghosh, S.** and Chattopadhyay, D. (2013) Characterisation of the Chandipura Virus Leader RNA – Phosphoprotein interaction using single Tryptophan Mutants and Its Detection in Viral Infected Cells, *Biochimie*, vol. 95, P. 180-194 (doi: org/10.1016/j.biochi.2012.09.009) (Impact Factor: 3.142).

Ghorai S. K, Tripathy D, Dasgupta S, **Ghosh S.** (2013) Location and Binding Mechanism of an ESIPT Probe 3-Hydroxy-2-Naphthoic Acid in Unsaturated Fatty Acid Bound Serum Albumins, *Journal of Photochemistry and Photobiology B: Biology* (in press). (doi: 10.1016/j.jphotobiol.2013.12.007) (impact factor 3.11).

Nandi D., Gupta K., Ghosh A. K., De A., Ray N. R., **Ghosh U. C.** (2013) Thermally stable polypyrrole-Mn doped Fe(III) oxide nanocomposite sandwiched in graphene layer: synthesis, characterization with tunable electrical conductivity. *Chemical Engineering Journal* 220, 107-116 (Impact factor 3.5).

Nandi D, Basu T, Debnath S, Ghosh AK, De A, **Ghosh U. C.** (2013) Mechanistic Insight for the Sorption of Cd(II) and Cu(II) from Aqueous Solution on Magnetic Mn-Doped Fe(III) Oxide Nanoparticle Implanted Graphene, *Journal of Chemical and Engineering Data* 58(10), 2809-2818 (Impact factor 2.1).

Nandi D, Ghosh AK, De A, Sen P, **Ghosh U C.** (2013) Fabrication, nanostructure evaluation, 3D electrical transport and electrochemical capacitance of PEDOT-Ti(IV)-doped iron(III) oxide nanocomposite, *Journal of Materials Science* DOI 10.1007/s10853-013-7760-4. Published online on 5th Oct. (Impact factor 2.2).

Nandi D, Pal PK, Ghosh AK, De A, **Ghosh U.C.** Polypyrrole decorated graphene nanostructure: Fabrication, depiction and anomalous dimensional crossover in electronic conduction *Applied Surface Sciences* DOI 10.1016/j.apsusc.2013.12.106. (Impact factor 2.2).

Basu T., Nandi D., Sen P., **Ghosh U. C.** (2013) Equilibrium modeling of As(III,V) sorption in the absence/presence of some groundwater occurring ions by iron(III)-cerium(IV) oxide nanoparticle agglomerates: A mechanistic approach of surface interaction. *Chemical Engineering Journal* 228, 665-678 (Impact factor 3.461).

Basu T., **Ghosh U. C.** (2013) Nano-structured iron(III)-cerium(IV) mixed oxide: synthesis, characterization and arsenic sorption kinetics in the presence of co-existing ions aiming to apply for high arsenic groundwater treatment. *Applied Surface Science*, 283, 471-481 (Impact factor 2.2).

Saha I., Gupta K., Chakraborty S., Chatterjee D., **Ghosh U. C.** (2013) Synthesis,characterization and As(III) adsorption

behaviour of α -cyclodextrin modified hydrous ferric oxide. *Journal of Industrial and Engineering Chemistry* doi: 10.1016/j.jiec.2013.08.026 (In press) (Impact factor 2.145).

Bhattacharya S., Ganguli A., Mukhopadhyay A., **Ghosh U. C.**, Chattopadhyay D. J. (2013) Impacts of genetically modified foods on environment, economy and health: A comprehensive review. *International Journal of Environmental Biology* 3, 64-70 (Impact factor: 0.684).

Bhattacharya S., Guha G., Chattopadhyay D. J., Mukhopadhyay A., Dasgupta P. K., Sengupta M. K., **Ghosh U. C.** (2013) Co-deposition and distribution of arsenic and oxidizable organic carbon in the sedimentary basin of West Bengal, India. *Journal of Analytical Science and Technology* 4, 11-16.

Seminar, Lectures Delivered / Workshop attended:

Prof. Gandhi Kumar Kar delivered an invited talk in the UGC sponsored National Seminar on "Frontiers in Chemistry" organized by The department of Chemistry, M.U.C. Women's College, Burdwan and Vivekananda Mahavidyaloy, Burdwan, W.B.; December 04-05, 2013, Title of the talk: "Synthesis of angularly fused novel "S" & "U" Shaped tetracyclic furoquinones simulating ABCD rings of Tanshinone-I and Isotanshinone-II and application of the methodology for the synthesis of thiophene analogs".

Prof. Sanjib Ghosh delivered an invited talk entitled "Interaction of Multitryptophan Proteins with Other Systems: Identification of Zone-wise Perturbation of Proteins" in National Conference on Photosciences: Contemporary Challenges and Future Perspectives. Dec 12-14, 2013 by Indian Photobiology Society & Dept. of Chemistry, Jadavpur University, Kolkata-700032.

Prof. Sanjib Ghosh delivered invited talks entitled (i) "Exploring Structure of Proteins and Interactions of Proteins with Other Molecules Using Emission Spectroscopy" and (ii) "Exploring Structure of Proteins and Interactions of Proteins with Other Molecules Using Time-Resolved Emission Spectroscopy at Room and Low Temperature and Modelling" at Calcutta University, West Bengal, June, 2013.

Poster sessions

Manini Mukherjee, Ranendu Ghosh, Krishnananda Chattopadhyay, S. Ghosh: Exploring Structural and Functional Aspects of MPT63 Protein: A Study by Singlet State and Low Temperature Triplet State Spectroscopy: *National Symposium on Radiation and Photochemistry, NEHU, Shillong, March, 2013.*

Shyamal Kr Ghorai, S. Ghosh: Tuning of 'Antenna Effect' of Eu (III) in Ternary Systems in Aqueous Medium through Binding with Protein: *National Symposium on Radiation and Photochemistry, NEHU, Shillong, March, 2013.*

Swarna Kamal Samanta and S. Ghosh: Efficient "Antenna Effect" of the Tb (III) in the Complex of (+) Catechin and Tb(III) Binding with Protein and α -Cyclodextrin. *National Symposium on Radiation and Photochemistry, NEHU, Shillong, March, 2013.*

Book chapter:

Bhabak, K. P.; Arenz, C. (2013) Novel Drugs Targeting Sphingolipid Metabolism, In Sphingolipids: Basic Science and Drug Development. Eds. Gulbins, E.; Petrache, I., Springer-Verlag Wien, Handbook Exp. Pharmacol. vol. 215, p. 187-196.

Staff List:

A. Teaching:

Adity Bose

Anjay Majhi

Arnab Halder

Bijan Das

Biplab Biswas

Gandhi K. Kar

Koena Ghosh

Krishna Pada Bhabak

P. Sasikumar

Pulak Kumar Ghosh

Emeritus Scientists / Fellow and Guest faculty (PG Teaching and Research):

- i) Sanjib Ghosh (CSIR)
- ii) Sanjib Bagchi (UGC)
- iii) Uday C. Ghosh (Project Emeritus/DST)

Guest Faculty (PG Teaching):

Priyalal Majumdar, Calcutta University.

Himangshu Ranjan Das, Ex Professor, Presidency College.

Pijush Kanti Gangopadhyay, Ex D.P.I, Govt. of West Bengal.

Snigdha Gangopadhyay, Ex-Professor, Presidency College

Prasanta K. Bhowmik, Ex Reader, Presidency College.

Bhishuti B. Maji, Ex Reader, Presidency College.

Manju Chakraborty, Ex. H.O.D, Bethune College.

Asoke Banerjee, Ex. Reader, Surendranath College.

Tapas Roychowdhury, Charuchandra College.

Rathindra Nath Ghosh, RKMR College, Narendrapur.

P. P. Mishra, SIMP, Kolkata

L. N. Dutta, Ex Professor, Jadavpur University.

Non-Teaching:

Sushanta K. Roy

Khagendra Nath Jana

Ashok K. Nayak

Kartick Chandra Das

Goutam Dutta

Sushama Barik

Dhiren Chandra Nath

Balaram Roy

Radha Hela

Rajani Hela

Department of Economics

News from the Department

The Department of Political Economy and Political Philosophy was created in 1908. The title was changed to the Department of Economics and Political Science following a similar change initiated for the M.A. course in Calcutta University in 1932. In 1960 the University adopted a new syllabus for the three year degree course when Economics and Political Science became two separate subjects and the department at the College also split into two departments: Economics and Political Science. In 2002, the department of Economics began to teach a new autonomous postgraduate course in Applied Economics under Calcutta University. In July 2011, the first batch of Economics (Major) students of Presidency University began their course and in September 2011 the first batch of postgraduate Applied Economics students of Presidency University began their course as well.

Undergraduate students from this department performed well in the Calcutta University Examinations, maintaining the tradition this year. Many of our students got selected in the institutes like Indian Statistical Institute (Kolkata and Delhi), Delhi School of Economics, Jawaharlal Nehru University and Indira Gandhi Institute of Development Research.

The results of our Post Graduate Applied Economics students was very good this year and the number of first classes in close to 100%. This year 5 of our outgoing Post Graduate students got placed in HSBC, 3 in Mu-Sigma and 3 in Ernst & Young through campus recruitment and 1 from off-campus recruitment.

Students' Performance

Examination	No. of students appearing	No. of students getting first class
B.Sc. Part III	40	28
M. Sc. in Applied Economics 2nd Semester (PU)	25	Classes are not awarded in semester system of PU

The students of the Department have also excelled in extra-curricular activities like previous years.

Seminars organized by the Department and Visitors of the Department

The Centre for Economic Studies, Department of Economics, organised the sixth **Professor Dipak Banerjee Memorial Annual Lecture**. **Nobel Laureate Professor Amartya Sen** was invited for this purpose. He gave a lecture on 15th July 2013 before a packed audience.

1. Workshop on 'Applications In Time Series' (19 th and 26 th April, 2013)		
Name of the speaker	Institutional Address	Topic
Dr. Arpita Ghosh	Associate Professor, Department of Economics, Jadavpur University, Kolkata	<i>Applications In Time Series</i>
2. Seminar on 'Econometrics' (25 th April, and 2 nd , 9 th and, 16 th May, 2013)		
Name of the speaker	Institutional Address	Topic
Prof. Amita Majumder,	Professor, Economic Research Unit, Indian Statistical Institute, Kolkata	<i>Non Parametric Methods in Econometrics</i>
Dr. Zakir Hussain	Associate Professor, IEG, Delhi	<i>Demand estimation using non-parametric econometrics</i>

3. Lectures on 'Game theory and applications' (16th - 18th September, 2013)

Name of the speaker	Institutional Address	Topic
Prof. Indrajit Ray,	Associate Professor, University of Birmingham, UK	Mixed and Behavioural Strategies

4. Lecture on ISLM Model (5-6th November, 2012)

Name of the speaker	Institutional Address	Topic
Prof. Ambar Nath Ghosh	Professor, Department of Economics, Jadavpur University, Kolkata	On Efficient Market Hypothesis

5. Workshop on 'Econometrics' (20th and 27th November, 4th, 11th and 18th December 2013)

Name of the speaker	Institutional Address	Topic
Debabarta Mukhopadhyay	Assistant Professor, West Bengal State University	Analysis of Dynamic Panel Data

6. Workshop on SAS programming (September – December 2013).

Organised by Synasis and Economics Department, Presidency University

Research Activities of the Department

Title of the Project	Principal and co-principal investigator	Funding Agency	Amount	Research worker
Choice of Traditional Contraceptive among Currently Married Women in Kolkata: 'Ultra-Modernism' or Son Preference	Mousumi Dutta Science Research	Indian Council of Social	Rs. 8,71,825	Research Assistant: Priya Gupta
Role of grandparent's involvement in childcare in women's labour force participation	Mousumi Dutta	-	Rs. 1,50,000	
Behavioural aspects and trends of smoking amongst the adolescents – A study on Kolkata, India	Mousumi Dutta	-	Rs. 1,00,000	
Optimal trading Rule in India	Dr. Chitrakalpa Sen, Auro University, Surat and Dr. Gagari Chakrabarti, Presidency University (as Joint project director)	Fuzzy Logix, LLC, NC, USA	Rs. 3,00,000 (approx) Fund managed by Auro University, Surat	
Dynamics of stock market cycles: a systematic introspection from recent past	Gagari Chakrabarti	University Grants Commission	Rs. 90,000	

Other Academic Activities:

Three students are pursuing their Ph. D. under the supervision of **Prof. Ambar Nath Ghosh**

a) Hiranya Lahiri, "Price and Interest Rate Regulations in India", through Economics Department, Jadavpur University.

- b) Sudipta Jha, "Interactions between Different Sectors in the Economy", through Economics Department, Jadavpur University.
- c) Soumya Sahin, "Futures Market and the Agricultural Economy in India" through Economics Department, Jadavpur University.

Four students are pursuing their Ph. D. under the supervision of **Dr. M. Dutta**

- a) Antara Dhar, "Nature and determinants of employment among elderly in India: Analyzing recent changes", through Economics Department, University of Calcutta
- b) Priyasha Das, "Child health and economic growth; A macro-level analysis", through Economics Department, University of Calcutta
- c) Suranjana Joaddar, "Futures Market and the Agricultural Economy in India" through Economics Department, University of Calcutta
- d) Mouli Sanyal, "In-patient Services, Socio-Economic-Status and Poverty: Where Does India Stand?" through Economics Department, University of Calcutta.

Antara Dhar has been awarded M. Phil degree in Economics from Economics Department, University of Calcutta under the supervision of **Dr. M. Dutta** this year.

Three students are pursuing their Ph. D. under the supervision of **Dr. G. Chakrabarti**

- a) Soumya Saha, "Asymmetric response of firms around financial crisis", through Department of Business Management, University of Calcutta
- b) Sharmita Guha, "Trends and patterns of FDI in India", through Commerce Department, University of Calcutta
- c) Sucharita Chakrabarti, yet to be registered, through Department of Business Management, University of Calcutta

Dr. Mousumi Dutta and Dr. Gagari Chakrabarti are working as guest teachers in the Economics Department, University of Calcutta.

List of Publication

Research Paper:

1. **Dutta M.** and Husain Z., "Are women SHG members economically more empowered in left-run municipalities?", *Development in Practice*, 23(1), 2013: 107-122. DOI: 10.1080/09614524.2013.750644.
2. **Dutta M.**, Husain Z. and Chowdhury N. (2013) "Is health wealth? Results of panel data analysis", *Social Indicators Research*, DOI: 10.1007/s11205-013-0337-4. IMPACT FACTOR 1.264.
3. **Dutta M.**, Husain Z., and Ghosh S. "Ultra-modern contraception re-examined: Cultural dissent, or son preference?", *Asian Population Studies*, 9(3): 280-300, DOI:10.1080/17441730.2013.816480.
4. **Dutta M.** and Husain Z. (2013) "Does health insurance ensure equitable health outcomes? An analysis of hospital services usage in urban India", *World Health and Population*, 14(4): 38-50.
5. **Mukherjee S.** (2013): 'A comparative analysis of interest rate between formal sector banks, local moneylenders and MFIs.' *Journal of Development Entrepreneurship*, Vol. 18 (1), World Scientific.
6. **Mukherjee S.** (2013): 'Sequential Group lending with and without Group liability.' *Artha Beekshan*, Vol. 21 (4), pp.75-85, Bengal Economic Association.

Book

1. **Chakrabarti. G.** and C. Sen (2013) Momentum trading on Indian stock market, Springer.
2. **Chakrabarti. G.** and C. Sen (in press), To invest or not to invest: a green question, Springer.
3. Husain Z. and **Dutta M.** (in press) "Women workers in Kolkata's IT sector: Satisficing work and household", Springer (India) Pvt. Ltd., ISBN 978-81-322-1592-9

Paper in Edited Book:

1. Sarkar, A., **Chakrabarti, G.** and Sen C. (2013) "Volatility, Long Memory and chaos: a discussion on some stylized facts in financial markets with a focus on high frequency data" in Sarmila Banerjee & Anjan Chakrabarti (ed) *Development and sustainability: India in a global perspective*, Springer (India) Pvt. Ltd: 71-101. ISBN 978-81-322-1123-5
2. **Dutta M.** and Husain Z. (2013) "Nabadiganta—A new horizon? Patriarchy, globalization and women's agency in the IT sector" in Sarmila Banerjee & Anjan Chakrabarti (ed) *Development and sustainability: India in a global perspective*, Springer (India) Pvt. Ltd: 321-338. ISBN 978-81-322-1123-5.

Seminars attended

1. Saswatee Mukherjee presented paper entitled "Lender's Risk Hypothesis in a multi-period model" at the 22nd Annual Conference on Contemporary Issues in Development Economics, organized by Jadavpur University, Kolkata, on 3-4 January, 2013.
2. Gagari Chakrabarti Discussed paper entitled "Measuring vulnerability to spill-over" in the International conference on empirical issues in international trade and finance III organized by IIFT, Kolkata, 10 – 11 January, 2013.
3. Gagari Chakrabarti Discussed paper entitled "Is the Indian stock market cointegrated with other global stock markets? Evidence in the presence of endogenous structural break" in the International conference on empirical issues in international trade and finance III organized by IIFT, Kolkata, 10 – 11 January, 2013.
4. Saswatee Mukherjee presented paper entitled "Sequential Group lending with and without Group liability" at the 33rd Annual Conference, organized by Bengal Economic Association, Kolkata, on 23-24 February, 2013.
5. Gagari Chakrabarti Presented paper entitled "Financial Crisis: A Black Swan?" in the national seminar on Non-linearity, complex dynamics and chaos in Economics and finance organized by Department of Mathematics and Economics, University of Calcutta, March 2013.
6. Jayeeta Deshmukh presented paper entitled Trade Credit Networks in the Input Market in the Readymade Garment Industry of Metiabruz, Kolkata" in the seminar organized by JNU CESP, March 1-3, 2013.
7. Jayeeta Deshmukh presented paper entitled Trade Credit Networks in the Input Market in the Readymade Garment Industry of Metiabruz, Kolkata" in a seminar organized by IIT Jodhpur, Rajasthan from October 25-27, 2013
8. Mousumi Dutta lectured in ICSSR sponsored Research Methodology and Training Workshop on "Applied Economics", Economics Department, Jamia Millia Islamia, New Delhi, 29 November-2 December 2013Lectured in ICSSR sponsored Research Methodology and Training Workshop on "Applied Economics", Economics Department, Jamia Millia Islamia, New Delhi, 29 November-2 December 2013:
 - a. Multivariate Regression Analysis
 - b. Some aspects of Dummy Variable
 - c. Exploratory Data Analysis
9. Saswatee Mukherjee presented paper entitled "Effects of Competition on default rates in a Microcredit market: an empirical analysis" at the Winter School 2013, organized by Centre for Development Economics, Delhi School of Economics, New Delhi, from 16-18 December, 2013.
10. *Saswatee Mukherjee presented paper entitled "Sequential Group Lending with and without Joint-Liability: Grameen I versus Grameen II" at the 9th Annual Conference on Economic Growth and Development, organized by Indian Statistical Institute, New Delhi, from 19-21 December, 2013.*
11. Mousumi Dutta presented paper on "Who will play with me when my mother works? Impact of grandparental presence on labour market outcomes of mothers", in 10th Annual Conference on Growth and Development, Indian Statistical Institute, Delhi: 19-21 December 2013.
12. Mousumi Dutta presented paper on "Presence of grandparents and labour market outcomes of mothers: Evidence from India", in 50th Golden Jubilee Conference of the Indian Econometric Society, at Indira Gandhi Institute of Development Research, Mumbai: 22-24 December 2013.
13. Mousumi Dutta presented paper on "Recent changes in work force participation among elderly in India: Evidence from National Sample Survey Data", in 50th Golden Jubilee Conference of the Indian Econometric Society, at Indira Gandhi Institute of Development Research, Mumbai: 22-24 December 2013.

Staff List

Teaching (full time)

Ambar Nath Ghosh, Head of the Department

Mousumi Dutta

Gagari Chakrabarti

Indrani Nag Chaudhury

Pravesh Tamang

Prithviraj Guha
Saswatee Mukherjee
Jayeeta Deshmukh

Guest Teachers

Dipankar Dasgupta (former Professor, ISI, Kolkata and Member, Advisory Committee, Economics Department, Presidency University)
Dipankar Coondoo (IDS, Kolkata and Member, Advisory Committee, Economics Department, Presidency University)
Amitava Bose (formerly of IIM, Calcutta and Member, Advisory Committee, Economics Department, Presidency University)
Anup Kumar Sinha (IIM, Calcutta and Member, Advisory Committee, Economics Department, Presidency University)
Soumyen Sikdar (IIM, Calcutta)
Pradip Maiti (former Professor, ISI, Kolkata)
Raghabendra Chattopadhyay (former Professor, IIM, Calcutta)
Swagata Sarakar (ISI, Kolkata)
Nityananda Sarkar (ISI, Kolkata)
Amitava Sarkar (IISWBM, Kolkata)
Amita Majumdar (ISI, Kolkata)
Malabika Roy (Jadavpur University)

Non-Teaching

Subrata Kumar Das
Rita Das
Imam Rasul
Balmiki Prasad
Sankar Hela
Putul Chattapadhyay

Department of Geography

News from the Department :

The Department started functioning since 1949 – 50 academic session with Prof. Dr. N. R. Kar (Head), Dr. A. B. Chatterjee and Dr. S. P. Dasgupta, R. K. Basu (Demonstrator), G. C. Roy (Draftsman) and Md. Ramzan Ali (Bearer). Initially, intermediate, pass and honours courses were introduced with part - PG facilities. Seminar Library was set up in the late 1950s, which contains about 2000 titles and back-volumes of several national and international journals. The Geographical Institute, a society of the ex-students was formed in 1970, which organizes seminar lectures, classroom debates, PG students' seminar, inter-college geo-quiz, map drawing contest, field photograph exhibition, and annual reunion of its members. It also arranges short field trips, brings out wall magazine, photo corner, and bulletins. It also gives away prizes to the toppers in examinations. Full-fledged independent P.G. teaching began in 2001 and subsequently, academic autonomy was awarded and new syllabus with new vision was introduced in 2004. Under the Unitary University status (2010), semester system with new syllabus was introduced since 2011 – 12 session. The department is well equipped with learning resources and has a brilliant galaxy of alumni comprising eminent geographers working in India and abroad.

A number of new faculty members have joined the Department of Geography, Presidency University during the last few months – Dr. Subhajit Das in May, 2013 and subsequently Dr. Soumendu Chatterjee, Dr. Mery Biswas and Priyank P. Patel during June, 2013. Sri Tapan Bhanja has also joined as part of the non-teaching staff.

The Department, after consultations with the relevant University Officials, has pushed forward with its plans to build a Nodal Centre for Geoinformatics to greatly aid geographical analysis and research; towards which a number of licenses of ESRI's hallmark ArcGIS software have been procured. Proposals for a number of new laboratories with

Prasangiki '14

upgraded instruments for undertaking studies on various geographical aspects ranging from cartographical and surveying techniques to environmental systems analysis have been framed and submitted. Plans outlining an overall remodelling of the Departmental space for more efficient utilisation have also been submitted to relevant authorities.

After receiving his Postgraduate Degree in August, 2013, Saswata Pandey has joined CSRD (SSS, JNU, New Delhi) for pursuit of his M.Phil Degree and has also qualified for the Lectureship (LS) Award through the UGC-NET Examination. Meanwhile, another current pass-out student, Indrita Saha has qualified for the JRF-LS Awards in both CSIR-NET and UGC-NET will initiate her doctoral studies soon.

Some final year postgraduate students (PG 3rd Semester) of the Department participated at the UGC Sponsored National Seminar on *Contemporary Issues on Environment and Development in India & Adjacent Countries* organised by Department of Geography, Kalyani Mahavidyalaya (City Centre Complex), Kalyani, Nadia, West Bengal in collaboration with the Department of Environmental Science, University of Kalyani and held from 20th – 21st September, 2013.

1. Seminar organized by the Department and visitors to the Department

Name of the Speaker / Visitor	Institutional Address	Topic
Prof. Avijit Gupta	Honorary Principal Fellow at The School of Earth and Environmental Sciences of the University of Wollongong, Australia.	<i>Global Warming and Floods and Case Study on the 2011 Thailand Floods</i>

2. Research Activities of the Department

Title of the Project	Principal and Co-investigators	Funding Agency	Amount*	Research Worker
Soil-Geomorphic Assessment of Land For Land Use Planning And Sustainable Development In Paschim Medinipur District, West Bengal (Applied For)	Soumendu Chatterjee Tanmoy Sarkar	UGC	Rs. 12,51,924	
Natural Hazards and Sustainable Land use management of Himalayan Foothills. (Applied For)	Mery Biswas	UGC MAJOR	17,54,345	

3. Other academic activities:

Mr. Priyank Pravin Patel, who was working at the Department towards his Ph.D. Degree has been awarded the same while Mr. Gunadhar Manna (WBES, Barasat Govt. College) has submitted his thesis for evaluation. Currently there are a number of full time and part time registered research scholars in the Department working on various fields.

4. List of Publications

Papers Published/Accepted:

Chatterjee, S., Bisai, D., and Khan, A. (2013) Detection of Approximate Potential Trend Turning Points in Temperature Time Series (1941-2010) for Asansol Weather Observation Station, West Bengal, India, Atmospheric and Climate Sciences, ISSN: 2160-0422.

Chatterjee, S., and Khan, A. (2013) Morphological Analysis of A Historical Urban Landscape: The Case of Greater Gwalior City, Madhya Pradesh Asian Journal of Research in Social Science and Humanities, ISSN: 2250-1665.

Das, N., Chatterjee, S., Roy, U. (2013) Habitat Based Ecological Analysis of Urban Space: An Appraisal for Gangtok Town, Sikkim, Journal of Ecology, Environment and Conservation. Vol. 19, Issue-3, (ISSN- 0971-766X), pp. 707-715.

Das, N., Chatterjee, S., Roy, U. (2013) Changing Habitat and Animal Migration: A Comparative Analysis on Elephant Migration from Dalma Wildlife sanctuary to Panchet Forest Division, Bankura, WB, Gajah: journal of Asian Elephant Study Group,ISSN-1391-1996.

Khan, A., Chatterjee, S., and Bisai, D. (2013) Block Level Assessment of Human Vulnerability in Paschim Medinipur District, W.B: Regional Mapping of Social Contours Quantitatively Journal of Business Management and Social Sciences Research, Vol.2, No.11, pp. 5-11, ISSN: 2319-5614.

Das, K., Bera, K., Chatterjee, S. (2013) Management Of Water Resources In Urban Context Of Contai Municipality Using Geoinformatics, West Bengal. India, International Multidisciplinary e-Journal, Vol.II, Issue-II, pp. 7-16, ISSN:2277-4662.

Biswas, M., (2013) Journal of Indian Geomorphology: Tista –Jaldhaka interfluves, Jalpaiguri District, West Bengal: Geomorphology and Land use. ISSN 2320-0731

Edited Volume: (Coping with natural hazards Indian context, Edited by Sanjib Majumder)

Biswas, M., (2013) Geomorphology and related Hazards of kedernath area, Uttarakhand, ISBN-81250-2735-1/Accepted:

Biswas, M., (2013) Indian Journal of Landscape system and Ecological Studies: Shifting river course and impact on Land use of Himalayan Foot hills, W.B.

Biswas, M., (2013) Annals, Journal of National Association of Geographers India (NAGI): Development of alluvial fans and flooding of Jalpaiguri Area.

Patel, P.P. (2013) GIS Techniques for Landscape Analysis : Case Study of the Chel River Basin, Proceedings of State Level Seminar on Geographical Methods in the Appraisal of Landscape, organised by Dum Dum Motijheel Rabindra Mahavidyalaya, Kolkata

Sarkar, A. and Patel, P.P. (2012) Terrain Classification of the Dulung Drainage Basin, Indian Journal of Spatial Science (www.indianssss.org), Vol. III, No. 1 - 2012, Article 6

Das, S. (January 2013) "Beach Quality Assessment: A Study at Puri Municipality Area, Odisha", Journal of Interacademicia, Volume 17, Number 1, pp 116-127, ISSN-0971-9016

5. Seminar / Workshops attended

Soumendu Chatterjee

Year	Title of the Papers Presented	Name of the Seminar	Venue	Organizer (s)
INTERNATIONAL				
2013	1. Urban Heat Island Monitoring And Analysis Using A Non Parametric Model: A Case Study Of Kolkata M.D. 2. Lower Atmospheric Temperature Trends In Midnapore, W.B., Weather Observation Station. 3. A Study On Coastal Hazards And Their Dimensional Impacts Along The Balasore Coast, Orissa To Formulate The Appropriate Coastal Management Strategies. 4. Changing Habitat And Animal Migration: A Comparative Analysis On Elephant Migration From Dalma Wildlife Sanctuary, Jharkhand To Panchet Forest Division, Bankura, W.B.	IGU Conference On "Geoinformatics for Biodiversity And Climate Change"	Rohtak, 14-16, March, 2013	Dept. of Geography, University, Rohtak, Haryana.

Year	Title of the Papers Presented	Name of the Seminar	Venue	Organizer (s)
INTERNATIONAL				
2013	1. Modeling Urban Heat Islands and their Liaison with Landuse/ Land Cover Indices: A Case Study of Kolkata, India. 2. Linear Regression Analysis of Lower Atmospheric Temperature Data In South Bengal Area With Detection of Autocorrelation	International Conference On "Climate Change: Present Concerns"	Visakhapatnam 23-24 June, 2013	Dept. of Geography, Andhra University, Visakhapatnam..
NATIONAL SEMINAR				
2013	Generating Subjective Themes and Their Mapping: Some Example. (Resource Person)	UGC Sponsored National Seminar On "Environment, Resources And Development."	Howrah, March 4-5, 2013	Dept. of Geography Lalbaba College, Belur Math.
2013	Reconsidering Local Resource Decisions At the Face of Global Climate Change	National Seminar On " Climate Change And Environment Impact Assessment-Indian Perspective"	Kolkata, March 21-22, 2013	Netaji Institute for Asian Studies, Kolkata.
2013	Local Resource Decision at The Environmental Crossroads	National Seminar On "Natural Resource Management For Sustainable Development"	Jalpaiguri, February 9-10, 2013	Bangyo Bhugal Mancha, Jalpaiguri A.C. Training College, Jalpaiguri.
WORKSHOP				
2013	UGC Sponsored National Workshop "Climate Change: Science and Conscience"	Dept. of Geography, University of Calcutta, Kolkata	Kolkata, 13 June, 2013	Resource Person and Delivered Lecture: "Dimension of Researches in Climatology"
Mery Biswas				
INTERNATIONAL				
2013	1. Development of Alluvial fans and Impact on Land use-Acase study of Chalsa, W.B	IIG Conference On Environment and Development	University of Burdwan, 11-13, November, 2013	Dept. of Geography, University of Burdwan.
NATIONAL SEMINAR				
2013	Geomorphology and Natural Hazards of Kedernath Area Uttarakhand. (Chair a session)	UGC Sponsored National Seminar On "Coping with natural hazards Indian context."	Kalyani 20-21 September, 2013	Dept. of Geography Kalyani Mahabidyalaya
2013	Water Resource and Changing Pattern of :An Applied Study of Water Management .	National Seminar On "Sustainability, Environment and Society"	Madras 12-14 December, 2013	Department of geography, Madras University

Year	Title of the Papers Presented	Name of the Seminar	Venue	Organizer (s)
	WORKSHOP			
2013	Census of India Workshop On PCA data of Census info software.	Census of India, Kolkata	Kolkata, 23-24, December	Census of India, Kolkata

Priyank Pravin Patel

- Attended the “Data Dissemination Workshop and Training on CensusInfo Software” organised by Directorate of Census Operations, West Bengal from 23-24 December, 2013
- Attended Workshop on “Remote Sensing and Aerial Photography” organised by Geography Dept., Loreto College, Kolkata in collaboration with Dept. of Science and Technology, Govt. of West Bengal on 12th December, 2013
- Chairman** of Seminar Session on Rural Development at UGC sponsored National Seminar on “Inclusive Growth and Sustainability” held at Behrampore College Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College
- Presented paper titled “Mapping Terrain and Socioeconomic Indices for Rural Area Development” as **Resource Person** at UGC sponsored National Seminar on “Inclusive Growth and Sustainability” held at Behrampore College Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College
- Presented paper titled “Space Utilisation Around Flyovers in Kolkata – A Sustainable Approach” (with I. Haque, Postgraduate student, Dept. of Geography, Aliah University) at UGC sponsored National Seminar on “Inclusive Growth and Sustainability” held at Behrampore College Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College
- Presented paper titled “Application of Modern Geographical Tools & Techniques in Planning and Development” (with Prof. A. Sarkar, Professor & Head, Dept. of Geography, Presidency University, Kolkata) at UGC sponsored National Seminar on “Environment, Resources & Development” held at Dept. of Geography, Lalbaba Colege, Belur from 4-5 March, 2013, organised by Dept. of Geography Lalbaba College, Belur, in collaboration with Dept. of Geography, University of Calcutta
- Presented paper titled “Sub-Basin Prioritisation of the Sankha River Basin using Morphometric Techniques” (with B. Biswas, Postgraduate student, Dept. of Geography, Aliah University, Kolkata) at National Seminar on “River, Flood and Sustainable Resource Management” held at Dept. of Geography, University of Gour Banga on 23rd February, 2013, organised by Dept. of Geography, University of Gour Banga

Staff List:

A. Teaching including Part time and Guest lecturer:

Fulltime teachers

- Alak Ganguly
- Sandipan Chakraborty
- Nandini Chatterjee
- Somdatta Das
- Lila Mahato
- Aritra Chakraborty
- Soumendu Chatterjee
- Mery Biswas
- Subhajit Das
- Priyank Pravin Patel

B. Non- Teaching

- Biren Bandopadhyay
- Kamalesh Mandal
- Shila Rani Das (Ghosh)
- Tapan Kumar Bhanja

Department of Geology

News from the department

The Hindoo College was founded in 1817 with the express intention of providing modern education to the Indian students. The teaching of science was, however, ignored at the initial phase. In 1823, Raja Rammohan Roy addressed a letter to Lord Amherst for imparting instructions in "mathematics, natural philosophy, chemistry, anatomy and other useful sciences". In response to that Mr. H.F. Blanford informally began teaching the basic elements of Physics, Chemistry, Geology, Meteorology and Physical geography in Presidency College as 'Professor of Natural Science'. In 1851, the establishment of Geological Survey of India in Calcutta signalled the dawn of geological exploration in this subcontinent. The need for trained Indians was then strongly felt by the colonial rulers. On 23rd September 1891, the Government of Bengal published a notification regarding opening of graduate classes in Geology and Mineralogy in Presidency College. On 17th July 1892, the Department of Geology, the first of its kind in India, was formally inaugurated with Sir Thomas Holland of the Geological Survey of India as the first Professor of Geology. The teaching covered both B.Sc. and M.Sc. levels. The department remained a small one with only four full-time teachers until the middle of the twentieth century when its expansion started. Even in those early days the department established its tradition of dedicated teaching and the reputation as a pioneering research centre under the stewardship of Late Professor Hem Chandra Dasgupta, the first Indian Professor of Geology. The geological museum set up by Professor Dasgupta has been renovated and named Hem Chandra Museum of Geology in his honour. Standing on that strong foundation the department has been moving forward along the path of excellence. The alumni of this department not only established their superiority in the academic field of earth science but they are also playing a leading role in the development of the natural resource industry of the country. The flare of academic achievement superseded geographic barriers to adorn the chairs of many leading institutions abroad. As recognition of its academic excellence, the department came under the **UGC-COSIST** Program in 1985, followed by the UGC Special Assistance Program in 1986. In the year 2004 the department came under the purview of the **FIST** Program of the Department of Science and Technology, Government of India. The department was declared as the Centre for Advanced Study (**CAS**) in Precambrian Geology and Metallogeny by the University Grants Commission in 2006 which subsequently reached its next level (**CAS II**) in 2012 with supports for another five years.

Departmental update 2013

1. During 2013 the Department has initiated **Centre for Advanced Studies (CAS)** Phase-II programme. The CAS programme will continue till 2018. The Initial allocation is **Rs. 1.5 Crore** for five years. DST-FIST stage II is now nearing completion and the department will apply for the third stage of FIST next year. The XRF and SEM laboratories are now well equipped and *a new facility for heavy media mineral separation* has been added this year.
2. After a long pause the department organized AGM of the Geological Institute and Reunion. New edition of *Bhuvidya* has been published in the AGM.
3. For the first time, the Department jointly organized Inter-University '**Technology Day**' for the students in collaboration with Cairn India Pvt. Ltd.
4. This year till date, **eight** PG-students have been recruited by reputed MNCs such as 'Vedanta Group'. Schlumberger Ltd. selected **two** PG-student for pre-placement training and **one** student for final placement.
5. Significantly, **five** major research projects with a total funding of more than **Rs. 1.3 Crore** have been awarded to the members of the faculty of the department.
6. Prof. Joydip Mukhopadhyay and Dr. Gautam Ghosh visited Trinity College Dublin in an international collaborative project funded by Trinity College Dublin. Prof. H. N. Bhattacharya visited University of Pretoria, South Africa, as visiting scientist with Kumba-Exxaro visiting fellowship. Dr. Sankar Bose visited Yokohama National University as Visiting Scientist.
7. Department has also trained **five** students in summer training programme from other universities and institution

from outside West Bengal.

8. Twenty peer-reviewed international publications have been made during this time.
9. Two faculty members remained resource persons for International Conference in 2012-13. Dr. Sankar Bose attended Indian JSPS Alumni Association (IJAA) Annual International Conference at IMMT, Bhubaneswar. Dr. Nilajan Dasgupta and Dr. Sankar Bose remained resource person for the IGU National Conference in JU, Kolkata.
10. Prof. Joydip Mukhopadhyay and Dr. Gautam Ghosh attended Goldschmidt Conference at Florence, Italy and presented papers. Prof. Joydip Mukhopadhyay and Dr. Sankar Bose attended AGU Fall Meeting at San Francisco, USA and presented papers.

Research projects sanctioned in 2013

- *Study of systematic, palaeoecology and palaeobiogeography of the Eocene mollusks from Kutch, Gujarat* –PI: **K. Halder**, Funded by **DST**. Fund: **13 Lakhs**.
- *Study of the Sub-Himalayan Lower Cenozoic succession with special reference to the reconstruction of tectonosedimentary history of Subathu basin* –PI: **P. Dasgupta**, Co-I: **G. Ghosh & K. Halder**. Funded by **MOES**. Fund: **8 Lakhs**.
- *Origin and Structural control of Uranium mineralisation in Palaeoproterozoic Bomdilla group, Upper Subansiri and west Siang districts, Arunachal Pradesh*. PI: **N. Dasgupta**, Co-Is: **G. Ghosh & S. Bose**, AMD-BRNS, DAE. Fund: **45 Lakhs**
- *Paleoseismis interpretations from pseudotachylite microstructures: Studies from the Sarwar-Junia fault zone in central Rajasthan and validation from other occurrences* PI: **G. K. Deb**, Co-PI: **S. K. Ray**, Funded by **MoES**. Fund:
- *Petrological, Geochemical and structural study of the peridotite, gabbro anorthosite suite and associated granophyres of Rakha, Mosabani areas of Jharkhand and Orissa, Eastern India*. PI: **A. Ray**, Co-I: **G. K. Deb**, DST: Fund: **37 Lakhs**.
- *Influence of Climate Change on Freshwater Lake -a Study in Lake Loktak, Manipur*. PI: **S. K. Das**, SERB: Fund **26 Lakhs**

International Project

Trinity College Dublin-Presidency University: PI: **Joydip Mukhopadhyay**, Co-I: **Gautam Ghosh**

Publications

1. **Chaudhuri, A. K., Deb, G. K.**, Patranabis-Deb, S and Sarkar, S, 2012. Paleogeographic and tectonic evolution of the Pranhita-Godavari Valley, Central India: A stratigraphic perspective. *American Journal of Science*, **312**, 766-815. DOI 10.2475/07.2012.03
2. Chakrabarti, K., **Mukhopadhyay, J., Ghosh G.**, et al. 2013, Gold findings in QPC-hosted Uranium mineralization, Mankaharchua area, Orissa: *Current Science* (in press).
3. **Maiti, S.**, 2013. Interpretation of coastal morphodynamics of Subarnarekha estuary using integrated cartographic and field techniques by *Current Science* **104** (12), 1709-1713. <http://www.currentscience.ac.in/Volumes/104/12/170>
4. Aloui, T., **Dasgupta, P.**, and Chaabani, F. 2012, Facies pattern of the Sidi Aïch Formation: reconstruction of Barremian paleogeography of Central North Africa. *Journal of African Earth Sciences*, **71-72**, 18-42. DOI:<http://dx.doi.org/10.1016/j.jafrearsci.2012.06.004>. (Published by Elsevier Science, Amsterdam, The Netherlands)
5. Sarbjna, C., **Bose, S.**, Rajagopalan, V., Das, K., Som, A., Paul, A.K., Shivkumar, K., Umamaheswar, K. And Chaki, A., 2013. U-Cr-rich high Mg-Al granulites from Karimnagar Granulite Belt, India: implications for Neoarchean-Paleoproterozoic events in the Southern India. *Mineralogy and Petrology*, **107**, 553-571.
6. Das, K., Tomioka, N., **Bose, S.** and Ando, J.I., 2013. On oriented ilmenite needles in garnet porphyroblasts from deep crustal granulites: implications for fluid evolution and cooling history. *Lithos*, **156-159**, 230-240.
7. Dasgupta, S., **Bose, S.** and Das, K., 2013. Tectonic evolution of the Eastern Ghats Belt. *Precambrian Research*, **227**, 247-258.
8. Das, K., **Bose, S.**, Karmakar, S. and Chakraborty, S., 2012. Petrotectonic framework of granulites from northern part of Chilka Lake area, Eastern Ghats Belt, India: Compressional vis-à-vis transpressional tectonics. *Journal*

of Earth System Sciences, **121**, 1-17.

9. Bhattacharya, H.N. and Ghosh, K.K., 2012. Field and Petrographic aspects of the Iron Ore Mineralizations of Gandhamardan Hill, Keonjhor, Orissa and their Genetic Significance, *Journal of the Geological Society of India*, **79**, 497-504.
10. Bhattacharya, H.N. and Bhattacharya, B., 2012. Sole marks in storm beds from a glacially-influenced late Paleozoic shallow sea, Talchir Formation, Talchir Basin, India. *Indian Journal of Geosciences*, **65**(3), 175-188.
11. Chakraborty, A. and Bhattacharya, H.N., 2012. Early Permian Xiphosurid Trackways from India, *Jour. Geological Society of India*, **80**, 129-135.
12. Roy, A.B. and Bhattacharya, H.N., 2012. Tectonostratigraphic and Geochronologic Reappraisal Constraining the Growth of the Singhbhum Archean Craton, Eastern India, *Jour. Geological Society of India*, **80**, 455-469.
13. Bhattacharya, B. and Bhattacharya, H.N., 2012. Implications of mud-clast conglomerates within Late Paleozoic Talchir glaciomarine succession, Talchir Basin, India. *Indian Journal of Geosciences*, **66**, No. 1, 69-78.
14. Chakraborty, S. and Bhattacharya, H.N., 2013. Inferring the Hydro-Geochemistry of Fluoride Contamination in Bankura District, West Bengal: A Study Report. *Journal of Geological Society of India*, **82**, 379-391.
15. Halder, K. 2012. Cenozoic fossil nautiloids (Cephalopoda) from Kutch, western India. *Palaeoworld*, **21**, 116-130.
16. Dasgupta, N., Mukhopadhyay, D. and Bhattacharyya, T., 2012. Analysis of superposed strain: A case study from Barr Conglomerate in the South Delhi Fold Belt, Rajasthan, India, *Journal of Structural Geology*, **34**, 30-42.
17. Chakraborty, A. Hasiolis, S.T., Ghosh, B. and Bhattacharya, H.N., 2013. Fluvial trace fossils in the Middle Siwalik (Sarmatian-Pontian) of Darjeeling Himalayas, *India. J. Earth Syst. Sc.* **20**(10), 1-11.
18. Deb, G.K., 2013. Discussion of Saha et al. (2012, Precambrian Research): Tectonomagmatic evolution of the Mesoproterozoic Singhora Basin, central India: evidence for compressional tectonics from structural data, AMS study and geochemistry of basic rocks. *Precambrian Research*, **230**, 248-257.
19. Sengupta, P. and Ray, A., 2012. Newer Dolerite dykes, Jharkhand, India: a case study of magma generation, differentiation and metasomatism in a subduction zone setting. *Geochemical Journal*, **46**, 477-491.
20. Mondal, A., Ray, A., Debnath M. and Pal, S.P., 2012. Petrology, geochemistry of hornblende gabbro and associated dolerite dyke of Paharpur, Puruliya, West Bengal: implications for petrogenetic process and tectonic setting. *Journal of Earth Systems Science*, **121**(3), 793-812.

Abstracts in conference/meetings/symposia

1. Das, S.K, Kushwaha R.A.S, 2013, Biomarker: a novel tool in Earth Sciences. 30th Convention of Indian Association of Sedimentologists, Imphal, India.
2. Das, S.K, Ekblad A., Stojanoviæ K., Mikusinska A., Gaillard-Lemdale M.J., Mitroviæ D., Cui Q., 2013, Holocene Stable Isotope Record From Stavsåkra Peat (Sweden). 6th International Meeting on Organic Geochemistry (IMOG) Tenerife, Spain.
3. Mitroviæ D., Đokoviæ N., Stojanoviæ K., Das S.K., 2013, Preliminary organic geochemical study of lignites from Smederevsko Pomoravlje field, Kostolac Basin, Serbia. 65th Meeting of International Committee for Coal and Organic Petrology (ICCP), Sosnowiec, Poland.
4. Das, K., Bose, S., Torimoto, J., Hayasaka Y., and Matsueda, H., 2013. Multiple fluid-rock interactions during the tectonothermal evolution of reworked UHT granulite: ca. 950 Ma to ca. 500 Ma history from Eastern Ghats Belt, India. Abstract of the paper presented in *Annual Meeting of the Japan Association of Mineralogical Sciences*, Tsukuba University, Japan, September 11-13, 2013.
5. Das, K., Kimura, K., Bose, S., Hayasaka, Y., Hidaka, H., 2013. Neoproterozoic reworking of Archean deep continental crust in the Coorg Massif, India: SHRIMP zircon and EMPA monazite geochronology and implication on Dharwar craton margin orogeneses during the assembly of Gondwana. Abstract of the paper presented in *Annual Meeting of the Japan Association of Mineralogical Sciences*, Tsukuba University, Japan, September 11-13, 2013.
6. Mukhopadhyay, J., Crowley, Q., Ghosh, G., Ghosh, S., Chakrabarti, K., Misra, B. and Bose, S., 2013. A Mesoarchean Paleosol from eastern India-the second oldest paleosol on Earth. Abstract of the paper presented in the *Goldschmidt Conference* at Florence, Italy, August 25-30, 2013.

7. Mukhopadhyay, J. and Ghosh, G., 2013, REE signatures in 3.51 Ga BIF and Bedded Chert from Iron Ore Group, Singhbhum Craton, India: Implications for Paleoarchean Ocean Oxygenation. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, USA, 9-13 December, 2013.
8. Bose, S., Dasgupta, A. and Ghosh, G., 2013. Growth of one of the oldest cratonic nuclei: evidences from the southern margin of the Singhbhum craton, India. Abstract of the paper presented in the *International Seminar on Recent Advances in Energy, EEMR-13*, at IIMT, Bhubaneswar, India, August 12-13, 2013.
9. Ruj, T., Dasgupta, N., Das, Anup K. and Kundu, A., 2013, Evidences of progressive stresses, within lunar crust between Rima Hygenus and Rima Areataeus, Abs. Vol., Workshop on Lunar and Mars Geosciences, Space Application Centre, Ahmedabad, p. 7.
10. Ruj, T., Kundu, A. and Dasgupta, N., 2013, Transverse faulting: a simplistic approach towards the strike slip faults within Thaumasia Planum, Mars, Abs. Vol., Workshop on Lunar and Mars Geosciences, Space Application Centre, Ahmedabad, p. 38.

Participation in International Conference

Mukhopadhyay, J., Crowley, Q., Ghosh, G., Ghosh, S., Chakrabarti, K., Misra, B. and Bose, S., 2013. A Mesoarchean Paleosol from eastern India-the second oldest paleosol on Earth. Abstract accepted for presentation in the *Goldschmidt Conference* at Florence, Italy, August 25-30, 2013.

Mukhopadhyay, J. and Ghosh, G., 2013, REE signatures in 3.51 Ga BIF and Bedded Chert from Iron Ore Group, Singhbhum Craton, India: Implications for Paleoarchean Ocean Oxygenation. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, USA, 9-13 December, 2013.

Bose, S., Das, K., Kimura, K., Hayasaka, Y., Hidaka, H., Dasgupta, A., Ghosh, G. and Mukhopadhyay, J. Zircon and monazite geochronology of the granulites and associated gneisses from the Rengali Province, India: Growth of the southern margin of the Singhbhum Craton. *American Geophysical Union (AGU) Fall Meeting*, San Francisco, USA, 9-13 December, 2013.

Das, K., Bose, S., Tomioka, N. and Ando, J.I., 2013. Mineral inclusions in extreme thermal conditions and their implications to the evolution of deep continental crust. Abstract accepted for oral presentation in the *Japan Geosciences Union Meeting* at Makuhari Messe, Japan, May 19-24, 2013.

Das, K., Nakakuki, T. and Bose, S., 2013. Preliminary two-dimensional thermal modeling of Proterozoic granulite: a case study of structurally controlled exhumation of hot lower crust. Abstract accepted for oral presentation in the *Japan Geosciences Union Meeting*, at Makuhari Messe, Japan, May 19-24, 2013.

Campus Recruitment

1. Vedanta Group: 5 students
2. Schlumberger Ltd. Pre-placement: 2 students & Placement: 1 student.

Visiting Scientists

Dr. David R. Nelson, University of Western Sydney, Australia worked as a Visiting Scientist during February-July, 2013. He trained personnel and facilitated the heavy media separation techniques.

Analytical Facility

1. WD-XRF is now standardized.
2. Heavy-media separation laboratory is operational.
3. SED-EDS is working properly.
4. New facilities like Disc Mill Grinder and Carbon Coater to be installed.

List of Teacher

Joydip Mukhopadhyay
 Harendra Nath Bhattacharya
 Alokes Chatterjee
 Gautam Ghosh
 Arjit Ray
 Amit Kr. Ray

Prasangiki '14

Arunabha Basu
 Prabir Dasgupta
 Saradindra Chakraborty
 Kalyan Halder
 Sankar Bose
 Nilanjan Dasgupta
 Goutam Kr. Deb
 Sujata Ray

Faculty Profile	Faculty Name	Specialization/Specific Areas of expertise
Emeritus/ Visiting Scientist/ UGC ERP	Dr. Supriyo Das	Organic Geochemistry
	Dr. D.K. Paul	Igneous Petrology
	Prof. A.B. Roy	Structural Geology
	Dr. Swapan Kr. Halder	Exploration Geology
	Dr. Sumit Kr. Roy	Structural Geology
	Dr. Ashis Bhattacharya	RS-GIS
	Dr. Abhinaba Roy	Structural Geology

List of Post-doctoral Fellow

Dr. Piyali Sengupta

Dr. Aditi Mondal

Dr. Shampa Ghosh

Woman -scientist (B)

Pampa Bhattacharya

Research Associate

Dr. Snigdha Pal Chowdhury

List of Non-teaching staff

Haradhan Saha

Bablu Hela

Rammurad Rangwa

Tarak Pradhan

Jagannath Pradhan

Chittaranjan Chatterjee

List of Major Research Projects (ongoing)

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned (Rs)	Funding Agency
1.	Prof. J. Mukhopadhyay, Dr. G. Ghosh	Sedimentological Controls On Uranium Mineralization In The QPC-Deposits Of The Southern Part Of The Daitari-Tamka Basin.	23,42,000	BRNS, DAE & AMDER) 2009-2013
2.	Dr. G. Ghosh, Prof. J. Mukhopadhyay	Structural Control of Unconformity-proximal type Uranium Mineralization around Chitrial in the northern part of the Cuddapah basin, Andhra Pradesh	28,45,500	BRNS, DAE & AMDER)
3.	Dr. N. Dasgupta, Dr. S. Bose, Dr. G. Ghosh	Origin and Structural control of Uranium mineralisation in Palaeoproterozoic Bomdilla group, Upper Subansiri and west Siang districts, Arunachal Pradesh.	45,00,000	BRNS, DAE & AMDER)

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned (Rs)	Funding Agency
5.	Prof. J. Mukhopadhyay, Dr. S. Ghosh	Sedimentary provenance analyses of thenature of source terrain from Precambrian sedimentary rock record	24,05,000	DST (Major)
3.	Dr. G. Ghosh, Prof. J. Mukhopadhyay	Stratigraphic, Structural and Palaeomagnetic analyses of the volcano-sedimentary successions between Noamundi and Nayagarh, western iron ore basin, Singhbhum craton	9,96,000	DST, Major
7.	Dr. D. K. Paul	Petrology & Geochemistry of mafic dykes in Rewa basin, central India: Implications for dispersal and migration of Deccan magma and nature of sub-continental mantle	20,58,000	DST, Major
8.	Dr. A. Ray	Mineralogical and Geochemical attributes of the magmatic rocks of Island belt, Kutch, Gujarat: implication on the early Deccan Volcanism and nature of subcontinental mantle	37,22,000	DST, Major
9.	Dr. K. Halder	Taxonomy and Evolutionary Paleobiology of the Tertiary Mollusca of Kutch, Gujarat with special emphasis on Bivalvia	5,21,000	DST. Major
10.	Dr. S. Chakrabarti, Dr. U. C. Ghosh	Design Consideration and Field Performance Validation of High Arsenic Removal Water Filter Packed with Lab-Bench Developed Materials : A Lab-to-Field Technology Transfer Programme	19,46,600	DST Major
11.	Dr. G. Ghosh, Prof. J. Mukhopadhyay, B. Ghosh	Structural and stratigraphic analyses of the successions between the Singhbhum Granite and the Singhbhum Shear Zone in the Chakradharpur-Chaibasa-Jagannathpur sector: implications for tectono-stratigraphic evolution of a Precambrian craton-mobile belt boundary	19,56,000	DST Major
12	Dr. S. K. Ray, Dr. G.K. Deb	Microstructural studies of pseudotachylite in Sarwar-Junia fault zone	18,00,000	DST
13	Dr. K. Halder	Study of systematic, palaeoecology and palaeobiogeography of the Eocene mollusks from Kutch, Gujarat	16,00,000	DST Major
14	Dr. A. Ray, Dr. G.K. Deb	Petrological, Geochemical and structural study of the peridotite, gabbro anorthosite suite and associated granophyres of Rakha, Mosabani, Bangriposi, Joshipur areas, Jharkhand-Odhisa: implication for the tectonomagmatic evolution of the magmatic suite in eastern Indian Shield	32,50,000	DST
15.	Dr. A. Ray, Dr. P. Sengupta	Petrological, geochemical and paleomagnetic studies of mafic dykes around Chaibasa, Jharkhand, India:		

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned (Rs)	Funding Agency
		Implication for Meso- to Neo Proterozoic mantle processes in Eastern Indian Shield	15,24,000	DST, Major
16.	Dr.A. Mandal, Dr. A. Ray	Ba anomaly in hornblende gabbro: an answered question in geotectonics, NE Puruliya, West Bengal	22,10,000	DST, Major
17	Prof. J. Mukhopadhyay	Stratigraphy and Geochemistry of Cherts, BIFs and Iron Ore of the Iron Ore Group, SinghbhumCraton	9,39,000	CSIR, Major
18.	Dr.S. Bose, Dr. G. Ghosh, Prof. J. Mukhopadhyay	Mobilization of an ArcheanCraton margin during Proterozoic orogenic event(s) and its implication in crustal evolution: a case study from the Eastern Ghats Mobile Belt – SinghbhumCraton boundary zone around Tamka-Rengali, Orissa	18,00,000	CSIR-Major
19	Dr. D.K .Paul	A Geochemical and mineralogical study of Indian Kimberlites and related rocks and associated ultramafic xenoliths	7,98,000	CSIR (Major)
20	Dr. N. Dasgupta, Dr. A. Chatterjee	Lunar Geology around Kopff crater, Mare Orientale basin	6,26,000	Department of Space, SAC
21.	Dr. S. Chakrabarti, H. N. Bhattacharya	An Epistemology of Fluoride in the Fluvio-Coastal Sediments : A Potential Source for Groundwater Pollution in Andhra Pradesh Coast, South India	33,77,330	MoES
22.	Dr. U. C. Ghosh, Dr. S. Chakrabarti	Fluoride Removal from Contaminated Groundwater Using Developed Media Packed Filter Bed in the Lab and Field	30,62,840	CGWB
23.	Dr. D. K. Paul	Geochronological and Geological evolution of crust and its significance on lithospheric processes	4,35,000	INSA
24.	Dr. A. Chatterjee, Dr. A. Bhattacharya	Grond water prospect mapping on 1: 50000 scale for Malda District in West Bengal	75,000	NESAC
25.	Prof. A. B. Roy, Prof. H.N. Bhattacharya	Early Precambrian Crustal history of Singbhum and implication for the oldest rock	8,50,000	UGC Major
26.	P. Dasgupta, Dr. G. Ghosh, Dr. K. Halder	Study of the Sub-Himalayan Lower Cenozoic succession with special reference to the reconstruction of tectonosedimentary history of Subathu basin.	8,00,000	MoES
27.	Dr. H. N. Bhattacharya,	Hydrogeological Study of Sub-Surface Water Flow / Storage Characteristics for Creation of Sustainable Source on Rain-Fed Kumari River for Water Supply to Semi-Arid and Fluoride Affected Blocks of Purulia, West Bengal	32,40,000	
28.	Dr. S. Chakrabarti	Design Consideration and Field Performance Validation of High Arsenic		

Sl. No.	Name of the Principal Investigator	Title of the project	Amount Sanctioned (Rs)	Funding Agency
		Removal Water Filter Packed with Lab-Bench Developed Materials : A Lab-to-Field Technology Transfer Programme	19,46,600	
29.	Dr. U. C. Ghosh,	Removal of Fluoride from Contaminated Groundwater Using Bimetal Oxide Nanoparticles : A Lab to Field Nanotechnology Transfer Programme	15,00,000	
		Total grant	5,59,92,520	

Seminar lectures/talks

Date	Topic	Speaker
4 th March, 2013	“Deformation features of Asian continent due to the collision of India”	Prof. Y. Otofuji, Kobe University, Kobe, Japan
26 th July 2013	“Global Climate Change and Carbon Cycle: Should we be concerned?”	Dr. Prabir Kr. Patra, Senior Scientist, JAMSTEC, Japan
31 st July 2013	“Fundamental Principles of Radioactivity applications in Earth Science”	Dr. David R. Nelson, University of Western Sydney, Australia
20 th September, 2013	37 th Prof. S. Ray Memorial Lecture on “Implication of Landforms in Regional and Local Context”	Dr. Sujit Kumar Mazumder Sr. Dy. DG, GSI (Retd)
4 th November, 2013	“Planktonic foraminiferal dynamics in the eastern Arabian Sea as a proxy of the south-west monsoonal activity in Indian sub continent during the last millennium”	Prof. Ashish Sarkar, Pandit Deen Dayal Petroleum University, Gandhinagar, Gujarat

Research Scholars

1. Akeek Maitra
2. Arnab Dasgupta
3. Arup Ratan Manna
4. Jashodhara Chaudhury
5. Kaberi Roychowdhury
6. Sumit Dey
7. Tamoghno Basu
8. Trishit Ruj
9. Tushar mouli Chakraborti
10. Dipankar Dey
11. Paramita Das
12. Patrali Sinha
13. Piyali Sinha
14. Purnamrita Maity
15. Saheli De
16. Sneha Mukherjee

Department of Mathematics

News from the Department:

As Presidency basks in the glory of being the most talked or dreamed about educational institution in the state, and as it very slowly progresses toward the goal of “proven” excellence as opposed to “nominal” excellence, a concept which was thrust upon it as its first aim right on the first day of its transformation to a full university, some of its departments including the department of Mathematics struggle to find their feet.

Everything that could pin the department down to acquired mediocrity has been done in the three years in the life of this university department. Three teachers were transferred from this department with no hope of immediate replacement. From our side, the department has been unable to undertake a thorough syllabus revision both at the UG and PG level — but one should grant that the department can do so meaningfully only if there are sensible number of teachers to take the teaching load. At present there are five permanent teachers of which only two are in university service and there are eight more teachers serving the department as guest faculty.

One important thing to try seriously at the PG level is student seminars. This, we feel, is absolutely necessary because very often the students are found to be more interested in grades and inclined to pick and choose from the topics in the curriculum. But again there are two factors that do not help, viz., the shrinking length of the semester, and the teacher feeling driven most of the time.

As for UG teaching the first thing that comes to our mind is the quantitative impossibility and qualitative absurdity of many parts of the syllabus. Our students need interactive classes and problem-solving sessions. An earlier practice of the department was to divide the UG batches in smaller groups to be taught by many teachers in rotation. No such thing could be tried in spite of the serious need for the same.

The last regular batch of Calcutta University undergraduate course passed in the year 2013. Out of 43 candidates 14 got First Class. Of the successful students one got admitted in TIFR Mumbai in the integrated Ph D programme; and most of the others, as usual, were admitted in the various IIT's, IISER's and other universities.

Paper Published:

1. P. J. Pal, M. Haque, **T. Saha** and K. Ryu; *A Predatory Commensalism Model in a Deterministic & a Stochastic Environment.*; Dynamics of Continuous, Discrete and Impulsive Systems, B 20 (2013), 1-32.

Seminar:

Speaker : Professor K. C. Chattopadhyay
 Topic : Transcendental Numbers: Existence by exhibiting one
 Date : 27.09.2013.

List of teachers:

Teaching staff.

Gour Gopal Ray (Head)
 Tapan Saha
 Subhra Bhattacharya (UGC FRP)
 Syamal Kumar Basak (WBES) (To retire on 31.7.2014)
 Binod Kumar Berry (WBES) (To retire on 30.4.2014)
 Subhasundar Bandyopadhyay (WBES) Transferred in December 2013
 Jayanta Sen (WBES) Transferred in December 2013
 Alakesh Maity (WBES) Transferred in December 2013

Guest Faculty:

Dilip Kumar Sinha (Guest Faculty) : Former Rashbehari Ghosh Professor, Calcutta University and Vice-Chancellor, Visva-Bharati.

Debidas Chattoraj (Guest Faculty) : Retired from WBSES

Pranab Kanti Mitra (Guest Faculty) : Retired from WBES

Amar Chandra Patra (Guest Faculty) : Retired from WBES

Sunil Chandra Sarkar (Guest Faculty) : Faculty, Vidyasagar Evening College, Kolkata

Gopinath Laha (Guest Faculty) : Faculty, Gurudas College, Kolkata

Manjusha Majumder (Guest Faculty) : Dept of Pure Mathematics, Calcutta University

Achintya Kumar Roy (Guest Faculty) : Syamsunder College, Burdwan

B. Non-Teaching staff

Netai Chandra Dey, Establishment Attendant.

Department of Physics**News from the Department**

The Department of Physics, Presidency University was established in 1865 as part of Presidency College, then affiliated to Calcutta University. Indeed, it was as part of this department that, in the mid-1880s, the first Physics research laboratory at an Indian University, led by an Indian, was established. Following Acharya Jagadish C. Bose, this department has produced many household names, Satyendra N. Bose, Prasanta C. Mahalanabis, Sisir K. Mitra and Meghnad Saha being associated with its early years.

On being converted to an autonomous University, the development to re-build the institution to an internationally leading role is taking place under the stewardship of the Presidency Mentor group, two of its members being famous alumni of the department: Profs. Ashoke Sen and Sabyasachi Bhattacharyya. The department of Physics is currently in a state of transition, its primary activities being transformed from teaching to a combination of teaching (at both undergraduate and postgraduate levels) and world-class research. The first cycle of recruitment for the department of Physics for Presidency University was held in June 2012, and a second cycle in April 2013. Prof. Somak Raychaudhury joined the department in June 2012, and assumed the position of Head in September 2012.

At the end of 2013, the number of full-time members of faculty was 14. In addition, Professor Abhijit Mookerjee has joined the department from the S.N. Bose National Centre for the Basic Sciences as an Honorary Distinguished Professor. The department now has substantial theoretical and experimental research programmes in Astrophysics and Cosmology (the largest University/IIT group active in research in this area in the country) and in Condensed Matter physics and Materials Science.

A complete re-organization of the teaching curriculum, laboratory facilities, building infrastructure and human resources has been initiated. Undergraduate teaching has been overhauled throughout the University- the traditional system of subsidiary (ED) subjects has been replaced by a liberal arts/science programme (GenEd), such that students can select from a menu of interesting courses outside their Honours discipline in their first two years. Physics has risen to the challenge with innovative GenEd courses such as *Space, Time and the Universe* and the *Physics of Everyday life*, meant for first year students of both Science and Humanities streams. The UG/PG system is being thought of as a systematic progression to acquiring basic pedagogic, problem-solving and research skills in Physics. Elements of research are being introduced into the undergraduate programme, and the MSc degree will feature a substantial dissertation, for which a whole semester has been set aside.

The PhD programme will begin from early 2014- the first entrance test was held in the first week of January 2014.

Recently, the Department of Science and Technology, Government of India, sanctioned Rs. 1.85 cr to the department, under the DST-FIST Programme, for strengthening our infrastructure in research and teaching.

This year we celebrated the centenary of the establishment of the Baker Laboratories, the home of the Physics department. Named after Edward Norman Baker, the Lieutenant Governor of the Bengal Presidency, the Baker lab was inaugurated on 20 January 1913. We have extensive plans to rejuvenate the building in various phases. Mr P. R. Das, the renowned heritage architect, has been entrusted with the design of the renovation. There will be modern research and teaching labs, advanced teaching spaces, facilities for students and offices for faculty and research students and staff. The construction for rejuvenating the Physics department premises in the Baker was inaugurated by Dr A P J Abdul Kalam, former President of India, on 18 March 2013. Significant progress is yet to be made of the construction work.

The Department of Physics, in order to make cutting-edge research accessible to its students, started the weekly Physics Colloquia on Wednesdays from January 2013. The colloquium series has already seen many distinguished speakers, many of them alumni of the department, give talks aimed at the undergraduate Physics students, though these talks have been attended by students from many other departments, as well as students from various Colleges from all over Kolkata. Each Colloquium is usually followed by a study group, alternating between Condensed Matter Physics and Astrophysics and Cosmology.

Our Students

This year, of the 36 students sitting for the final B.Sc. examination,

- 20 obtained a rank within the top 200 in the IIT JAM entrance test: 12 of them have joined MSc at various IITs;
- 4 students have qualified for the TIFR integrated PhD programme: 2 have joined
- 3 have qualified for the IISc Integrated PhD: 2 have joined
- 2 have qualified for the HRI Integrated PhD: 1 has joined
- 2 have qualified for the IMSc(Chennai) Integrated PhD: 1 has joined
- 1 has qualified for the JNCASR Integrated PhD: 1 has joined, and
- 1 has qualified for the Masters at EcolePolytechnique, France. He has not joined.

Of these students, 8 have joined the MSc programme at Presidency University, 6 in Calcutta University, 1 each at JNU and RKMVU.

This year also saw our outgoing postgraduate students being awarded degrees at the first ever Convocation of the University held in August 2013.

Kaustav Mitra, a first year undergraduate, has been selected for the prestigious Jagadis Bose National Science Talent Search (JBNSTS) scholarship. Over half of the incoming First year class has been awarded the DST Inspire Scholarship this year.

Our undergraduates have distinguished themselves in many ways this year. Of them, two individuals stand out. *Aritra Ghosh*, second-year undergraduate, was selected to be part of the Indian delegation to the Seventh Asian Science Camp 2013 at Tsukuba, Japan in August this year. *Puja Roy* (along with a colleague from Maulana Azad College) won the first prize for her work on the Earth's magnetic field, at the annual Jagadis Bose National Science Talent Search scholars' presentations at the JB Centre of Excellence, Kolkata, in December.

Of our postgraduate students, *Arijit Das* won a prestigious fellowship to the Top Master Programme in Nanosciences at the Zernike Institute for Advanced Materials at the University of Groningen, the Netherlands.

The Presidency University Physics league was formed as a recognized student society in Physics. The members of the Physics League played a key role in organizing the first *Presidency University Lecture Series* (13-15 December) at the University, featuring Prof. Sankar Das Sarma, University of Maryland, Prof. Dipankar DasSarma, Indian Institute of Science, Bangalore, Sumit Ranjan Das, University of Kentucky (on video). Prof. Gautam Basu, Bose Institute, Biophysicist, and a few other famous scientific personalities. This was open to the public, and was very well received in the public media.

Seminars Held in the Department

Date	Speakers	Title
16.01.2013	Prof. Arup K. Raychaudhuri, Director and Distinguished Professor, S. N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata - 700 098.	Joy of small things
30.01.2013	Prof. Amitava Raychaudhuri, Sir Tarak Nath Palit Professor of Physics, Department of Physics, University of Calcutta, Kolkata - 700 009.	Neutrinos in our backyard: The India-based Neutrino Observatory
13.02.2013	Prof. Sanghamitra Bandyopadhyay, Professor, Machine Intelligence Unit, Indian Statistical Institute, Kolkata - 700 108.	Computational Methods in Biology
27.02.2013	Prof. Soumitra SenGupta, Senior Professor, Department of Theoretical Physics, Indian Association for the Cultivation of Science, Kolkata - 700 032.	Mysteries of Black Holes
06.03.2013	Prof. Subhrangshu Sekhar Manna, Senior Professor & Head, Soft Condensed Matter and Statistical Physics Group, S. N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata - 700 098.	Networks : Structure, function and processes
13.03.2013	Prof. Subinay Dasgupta, Department of Physics, University of Calcutta, Kolkata - 700 009.	Quantum Ising model under periodic field
14.03.2013	Prof. S. Ananthakrishnan, Adjunct Professor & Raja Ramanna Fellow, Department of Electronic Science, University of Pune, Pune - 411 007.	<i>Prof. Shyamal Sengupta Memorial Lecture</i> Upcoming new astronomical facilities in India
15.03.2013	Prof. Surajit Sengupta, Tata Institute of Fundamental Research, Centre for Interdisciplinary Sciences, Hyderabad - 500075.	Deformation : from Hooke to quantum metallurgy
20.03.2013	Prof. Indrani Bose, Professor, Department of Physics, Bose Institute, Kolkata - 700 009.	Tipping point transitions in complex dynamical systems
05.04.2013	Dr. Debashree Ghosh, Scientist, National Chemical Laboratory, Pune - 411 008.	Electronic Structure theory - Basics of how to use renormalization to reduce computational complexity
05.04.2013	Dr. Suman Chakrabarty, Scientist, National Chemical Laboratory, Pune - 411 008.	Computational modeling as an emerging tool in chemistry, physics and biology: An interdisciplinary approach
10.04.2013	Prof. Sandip K Chakrabarti, Senior Professor & Head, Department of Astrophysics and Cosmology, S.N. Bose National Center for Basic Sciences, Kolkata - 700098.	Chemical evolution of the Universe and the Origin of Life
10.04.2013	Mr Sibasish Laha, Inter-University Centre for Astronomy and Astrophysics, Pune University Campus, Pune 411 007.	The mysteries of Active Galactic Nuclei: Probing the central regions of one of the most extreme astrophysical conditions using X-ray data
24.04.2013	Prof. Sayan Kar, Physics & Meteorology Department, Center for Theoretical Studies, Indian Institute of Technology, Kharagpur - 721 302.	The Planck scale
30.04.2013	Prof. Somnath Bharadwaj, Physics & Meteorology Department, Center for Theoretical Studies, Indian Institute of Technology, Kharagpur - 721 302.	Seeing the Universe through redshifted 21-cm radiation
24.07.2013	Prof. Subir Sarkar, Head, Particle Theory Group, Rudolf Peierls Centre for Theoretical Physics, University of Oxford, UK.	Connecting inner space & outer space

Date	Speakers	Title
31.07.2013	Prof. Surajit Sen, Department of Physics, State University of New York at Buffalo, New York.	Strong Nonlinearity - Solitary waves, breathers and quasi-equilibrium and why we care ...
07.08.2013	Prof. Saibal Mitra, Department of Physics, Astronomy, and Materials Science, Missouri State University, Springfield, MO 65897.	Science, Pathological Science and Psuedoscience
14.08.2013	Prof. Bikash Sinha, Homi Bhabha Professor, DAE & Former Director, Saha Institute of Nuclear Physics & Variable Energy Cyclotron Centre, Kolkata – 700064.	<i>Presidency Alumni Association Endowment Lecture</i> , in association with the Department of Physics at Presidency University, Kolkata. Time, Space and the Singular Universe
04.09.2013	Prof. Ansuman Lahiri, Department of Biophysics, Molecular Biology and Bioinformatics, University of Calcutta, Kolkata - 700 009.	The Complex World of Biological Macromolecules
18.09.2013	Prof. Anita Mehta, Senior Professor, Department of Theoretical Sciences S. N. Bose National Center for Basic Sciences, Kolkata - 700 098.	Perceiving, learning and forgetting: a physicist's take
09.10.2013	Dr Sanjit Mitra Assistant Professor IUCAA, Pune	Gravitational Wave Astronomy
28.11.2013	Dr Arnab Saha, Max Planck Institute for Physics of Complex Systems, Dresden, Germany	Fluids: From driven colloids to active patterns
04.12.2013	Mr. Konstantinos A. Kolokythas, School of Physics & Astronomy University of Birmingham, UK	Radio properties of galaxy groups in the Local Universe
11.12.2013	Dr Tamoghna Das OIST Grad. University., Japan	Equilibrium and non-equilibrium aggregation in two dimensional systems with competing interactions.

Research Projects in the Department

Title of the project	Principal Investigator(PI) & Co-investigator (Co-I)	Funding Agency	Amount Sanctioned	Research Workers
Modelling Astrophysical & High-Energy Observations using Nuclear Particle Physics & Hydrodynamics	PI : Dr. Mira Dey (Retd. Professor) Co-PI: Drs. J. Dey (Retd. Prof.), M. Sinha Roy (Retd. Prof.), P. Mukherjee, G. Bhattacharya, S. Konar	DST	Rs. 23,83,600	Dr. S. Chakraborty (RA, till August); Ms T. Gangopadhyay (RA, from Sept.)
Nanostructure Materials and Their Hybrids/Composites as Super Capacitor for Energy Storage and Sensor Applications	Dr. Sukanta De	DST	Rs. 73,00,000 (for 5 Years)	Nil
Study of Deposition, Morphology and Thermal Fragmentation of Supported Metal Nanoclusters.	Dr. Debasish Datta	UGC	Rs. 1,52,000	Nil
Polymer- Inorganic Hybrid Nanocomposites (PHINC)– Preparation, Characterization & Their Potentials as Nanocomposites	Dr. Arabinda Nayak (Co-I) & Dr. Mukul Biswas (PI) (Chemistry Dept.)	CSIR	Rs. 13,58,000 up to September, 2013	One SRF

Editorial Board Membership in Research JournalsMuktishAcharyya

Editorial Board member of the journal *Frontiers in Physics* http://www.frontiersin.org/Interdisciplinary_Physics/editorialboard

SomakRaychaudhury

Member, Editorial Board, *Advances in Astronomy* <http://www.hindawi.com/journals/aa/editors/>

Our Research Publications**PEER REVIEWED JOURNALS**

1. Singh P., Harbola M.K., Sanyal B. and **Mookerjee A.** (2013) Accurate determination of bands gaps within the Density Functional Formalism, *Phys Rev B* 87 235110 (Impact factor: 3.767)
2. Jena A. P., Sanyal B. and **Mookerjee A.**, (2013) Study of the effect of short-ranged ordering on FeCr alloys, *J. Magn. Magn. Mater.* 349 156 (Impact factor: 1.83)
3. Banerjee R., Dutta S. and **Mookerjee A.**, (2013) Structure, reactivity and electronic properties of Mn doped Ni₁₃ clusters : *Physica B : Condens Matter* (Impact factor: 1.327)
4. Ghosh T., Ganguly S., Mukhopadhyay P.K. and **Mookerjee A.** , (2013) Electronic and magnetic properties of AuCr alloys : a first-principles study : *J. Magn. Magn. Mater.* 332, 199 (Impact factor: 1.83)
5. Mark J. Burke, Ralph P. Kraft, Roberto Soria, Thomas J. Maccarone, **SomakRaychaudhury**, Gregory R Sivakoff, Mark Birkinshaw, Nicola J Brassington, William R. Forman, Martin J Hardcastle, Christine Jones, Stephen S Murray, Diana M Worrall, (2013) The Fading of Two Transient Ultraluminous X-Ray Sources to below the Stellar Mass Eddington Limit, *Astrophysical Journal*, 775, 21 (Impact factor: 6.73)
6. Fouad Sh., Tino P., **Raychaudhury S.**, Schneider P., (2013). Incorporating Privileged Information Through Metric Learning. *IEEE Transactions on Neural Networks and Learning Systems*, 24, 1086-1098 (Impact factor: 3.417)
7. Burke, Mark J., **Raychaudhury, Somak**, Kraft, Ralph P., Maccarone, Thomas J., Brassington, Nicola J., Hardcastle, Martin J., Kainulainen, Jouni, Woodley, Kristin A., Goodger, Joanna L., Sivakoff, Gregory R., Forman, William R., Jones, Christine, Murray, Stephen S., Birkinshaw, Mark, Croston, Judith H., Evans, Daniel A., Gilfanov, Marat, Jordán, Andrés, Sarazin, Craig L., Voss, Rasmus, Worrall, Diana M., Zhang, Zhongli, (2013) Spectral Properties of X-Ray Binaries in Centaurus A, *Astrophysical Journal*, 766, 88 (Impact factor: 6.73)
8. **Acharyya M.** (2013), Random field Ising model swept by propagating magnetic field wave: Athermalnonequilibrium phase diagram, *Journal of Magnetism and Magnetic Materials* vol-343, pp-11-15 (IF: 1.826)
9. Haldar, I., Biswas, M., **Nayak, A.** and Sinha Ray, S. (2013) Dielectric Properties of Polyaniline-Montmorillonite Clay Hybrids. *J. Nanosci. Nanotech.*, Vol. 13 (1-6), P.1824-1829. doi: 10.1166/jnn.2013.7125. (Impact factor 1.563).
10. Russell, David, Markoff, Sera, Casella, Piergiorgio, Cantrell, A. G., **Chatterjee, Ritaban**, Fender, Robert, Gallo, Elena, Gandhi, Poshak, Homan, Jeroen, Maitra, Dipankar, Miller-Jones, James, O'Brien, Kieren, Shahbaz, Tariq (2013), Jet Spectral Breaks in Black Hole X-Ray Binaries, *MNRAS*, vol. 429, p. 815-832 (Impact factor: 4.9).
11. **Chatterjee, Ritaban**, Fossati, G., Urry, C. M., Baily, C. D., Maraschi, L., Buxton, M., Bonning, E. W., Isler, J., Coppi, P. (2013), An Optical-Near-Infrared Outburst with No Accompanying Gamma-Rays in the BlazarPKS 0208-512, *ApJL*, vol. 763, p. L11-L16, (Impact factor: 5.5).
12. **Chatterjee, Ritaban**, Nalewajko, Krzysztof, Myers, Adam (2013), Implications of the Anomalous Outburst in the Blazar PKS 0208-512 (2013), *ApJ*, vol. 771, p. L25-L30(Impact factor: 5.5).
13. Isler, J. C., Urry, C. M., Coppi, P., Baily, C. D., **Chatterjee, Ritaban**, Fossati, G., Bonning, E. W., Maraschi, L., Buxton, M. (2013), A Time Resolved Study of the Broad Line Region in Blazar 3C454.3, *ApJ*, vol. 779, p. 100-109(Impact factor: 6.73).
14. Berrington, Robert C., Brotherton, Michael S., Gallagher, Sarah C., Ganguly, Rajib, Shang, Zhaojun, DiPompeo, Michael, **Chatterjee, Ritaban**, Lacy, Mark, Gregg, Michael D., Hall, Patrick B., Laurent-Muehleisen, S. A. (2013), The X-ray spectrum and spectral energy distribution of FIRST J155633.8+351758: a LoBAL quasar with a probable polar outflow, *MNRAS*, vol. 436, p. 3321-3330 (Impact factor: 4.9).
15. **Chatterjee, S.**, Nguyen, M., Myers, A. and Zheng, Z. (2013) A Direct Measurement of the Mean Occupation Function of Quasars: Breaking Degeneracy of Halo Occupation Distribution Models. *Astrophysical Journal*,

vol. 779, p. 147-156 (Impact factor: 6.73)

16. Richardson, J., **Chatterjee, S.**, Zheng, Z., Myers, A. and Hickox, R. (2013) The Halo Occupation Distribution of X-ray-bright Active Galactic Nuclei: A Comparison with Luminous Quasars. *Astrophysical Journal*, vol. 774, p.143-153 (Impact factor: 6.73)

17. Jose, Charles; Subramanian, Kandaswamy; Srianand, Raghunathan; **Samui, Saumyadip**, (2013) Spatial clustering of high-redshift Lyman-break galaxies, *Monthly Notices of Royal Astronomical Society*, volume 429 Page 2333, (Impact factor 4.9)

18. Moriarty G P, **De S** et al.,(2013) Thermoelectric Behavior of Organic Thin Film Nanocomposites, *J. Poly. Sc.: Part B: Poly. Phys.*, vol. 51, p 119-123. (Impact factor: 1.53)

19. **DebasishDatta, JieShen, Vladimir A Esaulov (2013)**, Hydrogen negative ion formation on a graphite HOPG surface, *Nucl. Instr. Meth. Phys. Res. B* 315, 42. (Impact factor : 1.14)

20. Sofianos, S. A., Das, T. K., **Chakrabarti, B.**, Lekala, M. L., Adam, R. M., Rampho, G. J. (2013) Beyond mean-field ground state energies and correlation properties of trapped Bose Einstein condensate, *Phys. Rev. A*, vol. 87, article no. 013608 (8 pages) (Impact factor: 3.042).

21. Haldar, S. K., **Chakrabarti, B.**, Das, T. K. and Biswas, A. (2013) Correlated many-body calculation to study characteristics of Shannon information entropy for ultracold trapped interacting bosons, *Phys. Rev. A*, vol. 88, article no. 033602 (10 pages) (Impact factor: 3.042)

22. Roy, K., **Chakrabarti, B.**, Kota, V. K. B. (2013) Spectral fluctuation and correlation structure of δ_n statistics in the spectra of interacting trapped bosons, *Phys. Rev. E*, vol. 87, article no. 062101 (8 pages) (Impact factor: 2.313)

23. Bhattacharya, S., Das, T. K. and **Chakrabarti, B.** (2013) Effects of interaction on thermodynamics of a repulsive Bose-Einstein condensate, *Phys. Rev. A*, vol. 88, article no. 053614 (9 pages) (Impact factor: 3.042)

24. Haldar, S. K., Debnath, P. K., and **Chakrabarti, B.** (2013) Macroscopic quantum many-body tunneling of attractive Bose-Einstein condensate in anharmonic trap, *Eur. Phys. J. D*, vol. 67, article no. 188 (10 pages) (Impact factor: 1.513)

25. Haldar, S. K. and **Chakrabarti, B.** (2013) Dynamical features of Shannon information entropy of bosonic cloud in a tight trap, *Int. J. Mod. Phys. B*, vol. 27, article no. 1350048 (18 pages) (Impact factor: 0.4)

CONFERENCE PROCEEDINGS

1. **Raychaudhury, Somak** (2013) "Galaxy Evolution in Groups and on the Cosmic Web", online proceedings of the Thirty Meter Telescope Science Forum, Waikoloa, Hawaii, USA: July 22-23, 2013; <http://conference.ipac.caltech.edu/tmstf/page/program>
2. Vrtilek, Jan M., O'Sullivan, E. David, L. P., Kolokythas, K., Giacintucci, S., **Raychaudhury, Somak**, Ponman, T. J. (2013), *Bulletin of the American Astronomical Society*, HEAD meeting, #13, #116.06.
3. Chouhan R.K., Alam A. and Mookerjee A. (2013), Lattice thermal Conductivity of disordered alloys : a theoretical approach : Thermal conductivity 31/thermal expansion 19, *Proceedings of 31st Int'l Thermal Conductivity Conf and 19th Int'l Thermal Expansion Symposium*, Saguenay, Quebec, Canada, eds.: Laszlo Kiss and Lyne St.-Georges
4. Chen, Xuhui; **Chatterjee, Ritaban**; Fossati, Giovanni; Pohl, Martin (2013), Magnetic Field Amplification and Blazar Flares, *Proceedings of "The Innermost Regions of Relativistic Jets and Their Magnetic Fields"*, Granada, Spain, arXiv:1309.4180.
5. **RayChaudhuri B**, (2013) "Remote sensing of atmospheric nanoparticles and effect of wavelength on the size estimation", *Proceedings of the IEEE international conference "ICE-CCN'13" March25–26, 2013, Infant Jesus College of Engineering and Technology, Tuticorin, India, IEEE Catalog No. CFP13IIN-ART*, pp. 104–108, (ISBN 978-1-4673-5036-5)

Colloquia/Seminars/Lectures Delivered

Muktish Acharyya

1. **Invited colloquium** on *Dynamic symmetry breaking breathing and spreading transitions in ferromagnetic film irradiated by spherical electromagnetic wave*, at S N Bose National Centre for Basic Sciences, Kolkata, on 19th December, 2013

Barnali Chakrabarty

1. University of Padova, Italy, 23 October 2013
2. University of Heidelberg, Germany, 27 October, 2013

Ritaban Chatterjee

1. Invited talk on *Astrophysical Black Holes: Are They All the Same* (2013) at Saha Institute of Nuclear Physics, Kolkata, India.
2. Contributed talk on *Spectral Modeling of Successive Outbursts in the Blazar PKS 0208-512: Location, Mechanism and Other Implications* at the Annual New England Regional Quasar/AGN Meeting (2013), MIT Haystack Observatory, MA, USA.

Suchetana Chatterjee

1. Invited Talk, Cosmological Evolution of Supermassive Black Holes, Topical Conference on Gravity and Cosmology, Saha Institute of Nuclear Physics, Dec 13th, 2013
2. Contributed Paper, A Direct Measurement of the Mean Occupation Function of Quasars: Breaking Degeneracy of Halo Occupation Distribution Models ", Nguyen, M., **Chatterjee, S.**, Myers, A. and Zheng, Z. Bulletin of the American Physical Society, Annual Meeting of the Four Corners Section of the APS, Volume 58, Number 12, D2, 4, Oct 18-19, 2013.
3. Contributed Poster, A Direct Measurement of the Mean Occupation Function of Quasars: Breaking Degeneracy of Halo Occupation Distribution Models, Fifty Years of Quasars, Caltech, Sep 9-10, 2013.
4. Contributed Talk, X-ray Surface Brightness Profiles of Active Galactic Nuclei in the Extended Groth Strip: Implications for AGN Feedback, AEGIS collaboration meeting, University of Kentucky, Aug 25, 2013.
5. Contributed Poster, The Halo Occupation Distribution of X-ray-bright Active Galactic Nuclei: A Comparison with Luminous Quasars , Massive Black Holes: Birth, Growth and Impact, KITP, Santa Barbara, Aug 5-9, 2013.
6. Contributed Talk, The Halo Occupation Distribution of X-ray-bright Active Galactic Nuclei: A Comparison with Luminous Quasars , 23rd New England Regional Quasar and AGN Meeting, MIT Haystack Observatory, May 21, 2013.
7. Invited Talk, Studying Structure Formation in the Universe: New Frontiers and Future Challenges, Indian Institute of Technology, Kharagpur, May 9, 2013.
8. Contributed Paper, The Halo Occupation Distribution of X-ray-bright Active Galactic Nuclei: A Comparison with Luminous Quasars ", **Chatterjee, S.**, Richardson, J., Zheng, Z., Myers, A. and Hickox, R., Bulletin of the American Physical Society, APR.K2, 35, Apr 13-16, 2013.
9. Contributed Paper, A Direct Measurement of the Mean Occupation Function of Quasars: Breaking Degeneracy of Halo Occupation Distribution Models , Nguyen, M., **Chatterjee, S.** and Myers, A., Bulletin of the American Physical Society, APR.K2, 36, Apr 13-16, 2013.
10. Contributed Paper, A Direct Measurement of the Quasar Mean Occupation Function, Nguyen, M., **Chatterjee, S.** and Myers, A., Bulletin of the American Astronomical Society, 221, 430.06, Jan 6-10 2013.
11. Contributed Paper, Reverberation Mapping of Radio-Loud Active Galactic Nuclei , Bhattacharjee, A., Brotherton M., DiPompeo, M., Runnoe, J., Cales, S., Cook, D., Nissim, S., Staudaher, S., Smullen, R., Long, G., Miller, A., Chatterjee, R., **Chatterjee, S.**, Lundquist, M., Eftekherzadeh, S. and Woods, E., Bulletin of the American Astronomical Society, 221, 422.04, Jan 6-10 2013.

Abhijit Mookerjee

1. Invited talk : "The story of many interacting particles" J.C. Bose Institute, in a tribute to Ashutosh Mookerjee by ISNA October 2013
2. Plenary lecture : "Non-toxic removal of Arsenic from water", Lady Brabourne College, in a Workshop on interface between Biological and Physical Sciences.
3. Invited talk : "Density Functional Theory", BESU, in a Workshop arranged by the Academies and Howrah Science Forum November 2013

Barun Ray Chaudhuri

1. "Physical principles of remote sensing", lecture delivered as resource person at UGC sponsored refresher course (June 18 – July 9, 2013) in the Department of Physics, University of Calcutta
2. "Physical principles of optical remote sensing: Part-I and Part-II", lectures delivered as resource person at Winter School on Remote Sensing of Earth's Atmosphere and Space Weather (March 4 – 22, 2013) under the UGC

Networking Resource Centre in Physical Science, Institute of Radio Physics & Electronics, University of Calcutta.
SomakRaychaudhury

1. **Invited Review** on *Galaxy evolution in groups and on the Cosmic web* at the first Thirty Meter Telescope Science Forum exploring the possible scientific goals of the next generation very large telescopes, 22-23 July 2013, Waikoloa, Hawaii, USA
2. **Invited talk** on *How to find black holes* at the DST-JBNSTS INSPIRE Science Camp, Kolkata, 17 July 2013
3. **Invited talk** on *AshutoshMukhopadhyay's vision and its contemporary relevance* at "Educating the Future Mind", the 150th birth centenary symposiumBengal Chamber of Commerce, Kolkata, 27 June 2013
4. **Invited talk** *Science and Peace* at "Peace and Conflict Prevention and resolution", Rotary Club B of Calcutta, Metro City, Rotary Sadan, Kolkata, 24June 2013
5. **Invited popular talk** on *Dark Matter and Dark Energy* at the Department of Physics, University of Calcutta, Rajabajar Science College campus, 22 March 2013
6. **Invited talk** on *The diversity of galaxy groups: the role of feedback mechanisms* in a symposium on Astrophysics and Cosmology research in Indian Universities at the Inter-University Centre for Astronomy and Astrophysics, Pune, March 2013
7. **Invited talk** (the ShyamalSengupta Memorial Annual Lecture) on *Why we need to go to space to observe the Sky* at Jadavpur University, Kolkata, 5 March 2013
8. **Online Google Hangout seminar and Q&A**, *Question time with Somak Raychaudhury*, 17 February 2013
9. **Plenary talk** on *Cosmological evolution of galaxies and their structures* at the 30th meeting of the Astronomical Society of India (ASI), hosted by the Indian Institute of Science Education and Research-Thiruvananthapuram (IISER-TVM) and the Indian Institute of Space Science andTechnology (IIST), 20-22 February 2013

SaumyadipSamui

1. "Feedback induced star formation in high redshift galaxies", contributed talk at conference on "High energy emission from AGN" at University of Kashmir, Srinagar, October 9, 2013

Conference/Symposia/Seminar/Workshop Attended (No talk given)

DebasishDatta

1. Attended National Workshop on Application of Radiation in Physical, Chemical and Life Sciences organized by *UGC-DAE Consortium for Scientific Research, Kolkata Centre and Centre for research in Nanoscience and Nanotechnology, University of Calcutta*, September 4 – 6, 2013 at the Technology Campus, University of Calcutta.

Rabindranath Gayen

1. Attended as invited participant at **Singapore-India Programme of Cooperation (POC) Workshop on "Advanced Materials and Energy"**, at IACS, Kolkata, April 21-24, 2013
2. Attended National Workshop on Application of Radiation in Physical, Chemical and Life Sciences organized by UGC-DAE Consortium for Scientific Research, Kolkata Centre & Centre for Research in Nanoscience& Nanotechnology, University of Calcutta, September 04-06, 2013

Sukanta De

1. "National Workshop on Application of Radiation in Physical, Chemical and Life Sciences".Organised jointly by UGC-DAE Consortium for Scientific Research, Kolkata Centre and Centre for Research in Nanoscience& Nanotechnology, University of Kolkata. September 04-06, 2013.
2. *Second conclave of DST-Ramanujan Fellows*, Pune on 14th to 16th December 2013.

SomakRaychaudhury

1. Attended the international conference on *The Metre Wavelength Sky*, 9-13 December 2013, NCRA, Pune
2. Attended the workshop *Jayant@75*celebrating Jayant V Narlikar's 75th birthday JVN 75, 18-19 July 2013, IUCAA, Pune

Patent Obtained

BarunRayChaudhury

Indian Patent Application No. 482/KOL/2013 of 29.04.2013

Applicant: Presidency University

Inventor: BarunRayChaudhuri

Title of the Invention: "Bidirectional wavelength division multiplexing system and method thereof"

Staff Members

A) Members of Faculty

1. SomakRaychaudhury, Head of the Department
2. MuktishAcharyya
3. Narayan Banerjee (till December 2013)
4. Prabir Banerjee (till April 2013)
5. Gour Bhattacharya
6. BarnaliChakrabarti(from December 2013)
7. ShilbhadraChatterjee(till June 2013)
8. RitabanChatterjee(from June 2013)
9. SuchetanaChatterjee(from November 2013)
10. DebasishDatta
11. Abhijit De (till April 2013)
12. Bikash De (till April 2013)
13. Sukanta De(from March 2013)
14. Rabindranath Gayen
15. RatnaKoley
16. Arabinda Nayak
17. BarunRayChaudhuri
18. Prodyot Kumar Roy (till November 2013)
19. SaumadipSamui(from August 2013)

B) Distinguished Visiting Professor

1. AbhijitMookerjee

C) Members of Research Faculty

1. JishnuDey
2. Mira Dey

D) Guest Faculty

1. Arpita Bose
2. SoumenBasak
3. Sumitra Banerjee
4. SoumyaChakravarti
5. Biren Das
6. Mira Dey
7. Alak Kumar Majumdar
8. Pradip Mukherjee
9. Sailo Mukherjee
10. Tarasankar Nag
11. KalipadaNahal
12. SoumitraSengupta
13. MahendraSinha Roy

E) Honorary Guest Faculty

1. NandiniRaha

F) Non-Teaching Staff Members

1. HarenBaidya
8. Dipak Kumar Roy

2. AmitabhaBhar	9. Dilip Kumar Bir
3. PratimaHaldar	10. DilipHazra
4. Biswajit Das	11. Pradip Kumar Das
5. BijoyBarik	12. Sumati Hazra
6. AnantaBarik	13. Babulal Das
7. Dipak Kumar Roy	14. SubalKumar Ganguly

Department of Statistics

News from the department

The Department of Statistics started its journey to teach undergraduate Statistics in 1944 under able guidance of Professor P.C.Mahalanobis. Later, the teaching faculty was glorified with a number of outstanding and dedicated teachers, some of whom have achieved tremendous fame in India and abroad.

Before Presidency college achieved the status of University in 2010, the department catered to only undergraduate teaching in Statistics under the auspices of the Calcutta University and soon the department was successful enough to have a special entity in the University with its outstanding performance over the years.

From 2011, the department has been conducting both under-graduate and post-graduate semester-based programmes in Statistics under Presidency University. It has three-year undergraduate (Honours) course with 20 seats and two-year postgraduate course with 20 seats. The department also runs a Seminar Library over a long period of time. At present the library possesses a rich collection of both text and reference books which are regularly circulated among the students.

The first batch of five post graduate students of this department passed successfully in 2013 and received medal and certificates in the first Presidency University convocation held in the same year. At present, some of them are actively engaged in research works while others are doing jobs.

The performance of the outgoing undergraduate students, the last batch of Calcutta University, from this department was excellent, with twelve first class and they are presently pursuing their higher studies in some of the premier institutions like Indian Statistical Institute, Indian Institute of Technology, Calcutta University, Presidency University etc. The department takes this opportunity to congratulate all the passed students and wishes them success in life.

It is a proud privilege to mention that a good number of recently passed students of the department have gone abroad for furtherance of their academic career. Also, the department feels honoured to have produced, so far, many brilliant statisticians of national and international repute.

The department feels proud to get two energetic and young teachers – Dr. Radhakanta Das from Burdwan University and Dr. Kiranmoy Das from Temple University, USA, who joined the department in 2013 as Assistant Professor. Presently, the department has only eight full time teachers (of whom three are under the West Bengal Educational Service, whose transfer order may reach at any moment) as against the sanctioned posts of twelve teachers including two posts of Professor.

As the teachers are over-loaded with the existing semester-based course-curricula of undergraduate major, Gen-Ed and post-graduate teaching including practical and project, they hardly get any scope to spare time over sponsored projects and research works though they are strongly in favour of doing so.

At present, the department strongly feels the lack of adequate number of teachers and its infrastructural facilities with respect to class-rooms, teachers' cells, upgraded library and laboratory, journal accessibility etc. Under such circumstances, none of the teachers are in a position to supervise a research scholar even though many of the teachers are interested in supervising doctoral student. These problems have already been brought to the notice of the higher authority of the University with a request to solve these issues at the earliest.

Salient features and activities of the department

- The department pays sole attention to the enhancement of class-room teaching.
- Students are taught with utmost care and sincerity. Tutorial classes, Class tests, Departmental seminars are conducted for upliftment of the academic knowledge of the students. Personal attention is given to the students with due care.
- The students are frequently made aware of the versatile facets of the subject through discussion and interaction.
- In spite of regular teaching activities, teachers of the department take some special classes from time to time for assessing the understanding of the students on the topic. Assignments are also given and checked regularly.
- The Department organizes occasional seminars by eminent academicians.
- Wall magazines are published on a regular basis by students.
- Students celebrate Mahalanobis Jayanti and Teachers' day every year.
- Department holds parent-teacher meeting on requirement in order to make parents aware of the overall performance of their wards.
- Students actively participate in the extra-curricular activities held on and off campus.
- Students are encouraged to participate in field surveys on relevant topics, national seminars organized by other academic institutions.

Seminars organized by the department and visitors to the department

In 2013, the International Year of Statistics, the department took the special initiative to conduct the following seminars:

1. A half-day seminar on "Multivariate analysis and its applications" dedicated to the memory of Anil Kumar Bhattacharya, a renowned former Professor of Statistics of international repute, Presidency College, Kolkata, was held on 2nd January 2013 with the collaboration of IAPQR & Presidency University. The speakers were Barry C. Arnold, Distinguished Professor of Statistics, University of California, Riverside, USA, and Asis Kumar Chattopadhyay, Professor of Statistics, Calcutta University.
2. A talk on 'Different Prospects of Statistics' was delivered by Dr. Bikas C. Sanyal (Alumnus: 1955-1957 : Dept. of Statistics, Presidency College, Kolkata and a recipient of the highest civilian award of the Republic of France – *Legion d'Honneur*), presently Vice Chairperson of UNESCO International Institute for Capacity Building in Africa (UNESCO-IICBA) and Honorary Director of the Maison de l'Inde (India House) of the Cite International Universitaire de Paris on 4th January, 2013.
3. A team of faculty members, escorted by Prof. Asis Sengupta, ISI, Kolkata and Prof. Rahul Mukherjee, IIM, Kolkata, from Institute of Mathematical Sciences, University of Malaya, Malaysia, visited the department on 30th September, 2013 for possible research collaboration through faculty and student exchange.
4. A one day international conference on "Advanced Survey Sampling" jointly organized by IAPQR, CSA and Presidency University was held on 31st December, 2013, in memory of Prof. P. K. Banerjee, a former teacher of Presidency College. The speakers were Prof. Malay K. Ghosh, University of Florida, USA, Prof. Bimal K. Sinha, University of Maryland, USA, Prof. Bikash K. Sinha, ISI, Kolkata, Prof. Arijit Chowdhury, ISI, Kolkata, Prof. Mousumi Bose, ISI, Kolkata, and Dr. G.K. Manna, CSO, New Delhi.

List of publication

1. Das, K. (2013), Statistical Challenges in the Analysis of Dynamic Traits: Implications for pharmacogenomic clinics. *Advanced drug delivery reviews* 65(7), 973-979. (Impact Factor 13.5).
2. Das, K., Li, J., Fu, G., Li, R. and Wu, R. (2013), Dynamic semi-parametric Bayesian model for genetic mapping. *Statistics in Medicine* 32(3), 509-523. (Impact Factor 2.04).
3. Das, K., Li, R., Sengupta, S. and Wu, R. (2013), A Semi-parametric Bayesian Model for Bivariate Sparse Longitudinal data. *Statistics in Medicine* 32(22), 3899-3910. (Impact Factor 2.04).
4. Das, K. and Daniels, M. (2013), A Semi-parametric Approach to Simultaneous Covariance Estimation for Bivariate Sparse Longitudinal Data. *Biometrics* (To appear). (Impact Factor 1.41).
5. Basak G K and Biswas Arunangshu (2013) Process convergence of self-normalized sums of i.i.d. random variables coming from domain of attraction of stable distributions : *Proc. Indian Acad. Sci. (Math. Sci.)* Vol. 123, No. 1, February 2013, pp. 85-100.

* A Biswas has submitted a thesis to ISI, Kolkata for his Ph.D. degree

Conferences and Workshops attended:

1. A Biswas gave a talk titled 'Statistical Simulations using the MCMC methods and its adaptations' at the 3rd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, April 13-14, 2013.
2. A Biswas attended a discussion meeting titled 'Non Linear Filtering and Data Assimilation' at Indian Institute of Sciences, Bangalore from 8 – 11 January 2014.

Staff List

Full-Time Teachers

Pipul Datta
Biswajit Roy
Archana Das Roy
Radhakanta Das
Kiranmoy Das
Saurav De
Arunangshu Biswas

Non-Teaching Staff

Arun Moitra
Sanat Kumar Nandy
Santi Hela

The Presidency University Library

The Annual report covers the period from the 1st January, 2013 to the 31st December, 2013. The following table shows the new additions made to the different libraries of this institution in respect of books and C.D.s during the period under review:

Number of Books purchased in the year 2013

Name of Library	No. of Books
Arts Library (including Hindi)	305
Science Library	1259
Economics & Political Science Library	303
Centre for Economic Studies Library	x
175 th Girls' Hostel	215
Total	2082

Books & CDs received as Gift during Last Five Years

Year	2009 - 2010	2010 - 2011	2011 - 2012	2012 - 2013 (Mar. - Dec.)	2013	Total
No. of Books	163	124	180	64	55	632
No. of CDs	32		14	9		55

Total Number of Books : 3,75,504

Total Number of Periodicals : 1,52,425

Number of Electronic Non - book Materials : 485

Cataloguing of Books and Journals

The work of computerized cataloguing of current books in the Science Library and Economics & Political Science Library are satisfactory. With the introduction of LIBSYS 4 (Release 5.0) software supplied by M/S LibSys Corporation and installation of a powerful server, up-gradation of existing computers and LAN between all the Libraries, the Cataloguing and the Bibliographical control have been achieved.

Library Staff

Presently there are only 2 (two) Librarians to perform all the library works and duties of the above-mentioned branch libraries of the University. Recently the University has started the process of recruiting 10 (ten) Assistant Librarians.

The post of Cataloguer is also lying vacant for a long period. Other than Librarians there are no Technical, Semi-technical or Group-D posts in the Library. The Establishment Attendants belonging to Group-D category are provided by the authority and they are transferable to other departments.

In view of the increase in the workload of the library consequent on the introduction of PG Courses and new disciplines, proposal for creation of posts of Library Assistants (Group C) has been urged number of times. Sufficient number of technical staff, adequately qualified in the field of Library and Information Science background and equipped with knowledge of computer, is immediately required to cope with the changed situation. The need for the additional staff persists after the retirement of five Librarians during the last seven years. Moreover, the transfer of two Librarians without substitutes has created a void in the library service. A number of proposals for recruiting part time Project Assistants, Group C and Group D staff trained to handle computers for smooth running, updating and upgrading library services have been submitted to the authority for consideration. On the basis of these proposals, recently seven (7) Library Project Assistants have joined the Library on contractual basis for updating the Library database.

Considering the ever-growing stock of the library and its related activities the authority was also requested number of times for the creation of the posts of Library Attendants, Sorters, and Farashes. The posts of Farashes are imperatively needed for exclusive purpose of cleaning and dusting of books and equipment all the year round.

Staff List

Librarians

Shri Bijoy De
Smt. Soma Basu

Library Project Assistants

Shri Prithwish Bhusan Banerjee
Shri Srikanta Chowdhury
Shri Swapan Paul
Smt. Lily Roy
Mizanoor Islam
Shri Moumita Bayen
Shri Mrinmay Mukherjee

Other Staff

Smt. Rita Das
Shri Prasanta Kumar Mandal
Shri Swapan Roy
Smt. Sabitri Barik

Shri Timir Baran Samanta
Shri Madan Mohan Datta
Shri Pradip Banerjee
Md. Shoukat
Shri Somenath Chatterjee
Smt. Chameli Das
Smt. Sulata (Kundu) Khan
Shri Balmiki Prasad
Imam Rasul
Shri Srikanta Patra
Smt. Sipra Tapadar
Smt. Bharati Hela

APPENDICES



Appendix - 1

SYNOPSIS OF POST GRADUATE (M.A. & M.Sc.) FINAL RESULTS 2013

**Starting Date of Exam: 10 – 06 – 2013, End Date of Exam: 24 – 06 – 2013,
date of Publication of Result: 05 - 07 - 2013**

Sl. No	Department	Appeared	Eligible for Degree	First Class Equivalent Passed students	% of 1st Class Equivalent w.r.t.
1	ENGLISH	30	27	17	62.96
2	HINDI	15	10	6	60.00
3	BENGALI	20	19	17	89.47
4	SOCIOLOGY	17	13	12	92.31
5	POLITICAL SCIENCE	24	24	18	75.00
6	PHILOSOPHY	15	12	8	66.67
7	HISTORY	16	15	13	86.67
8	APPLIED ECONOMICS	26	25	24	96.00
9	APPLIED GEOLOGY	15	13	13	100.00
10	BIOTECHNOLOGY	10	10	8	80.00
11	BOTANY	26	24	24	100.00
12	CHEMISTRY	31	26	26	100.00
13	ENV. SYS. MANAGEMENT	11	11	11	100.00
14	GEOGRAPHY	26	22	19	86.36
15	HUMAN PHYSIOLOGY	10	10	10	100.00
16	MATHEMATICS	3	2	2	100.00
17	MOL. BIOLOGY & GENETICS	7	7	7	100.00
18	PHYSICS	14	13	12	92.31
19	STATISTICS	5	5	5	100.00
20	ZOOLOGY	29	29	29	100.00
OVERALL		350	317	281	88.68

There were 24 students in 12 different departments who were eligible to appear in Special Supplementary Examinations (vide relevant Regulations of the University), held during 25 – 07 – 2013 to 31 – 07 – 2013 and the corresponding Result is likely to be declared on 05 – 08 – 2013. The students, who were eligible for the degree after that, allowed to receive their degree in the convocation held on 22 – 08 – 2013.

Appendix - 2

LIST OF TRUST FUND

Sl. No.	Name of the Trust Fund	Name of the Donor	Amount
1.	Nirmal Kanti Mazumder Fund	Sri Mukul Ranjan Mazumder	10,000.00
2.	Amal Bhattacharya Memorial Fund	Smt. Sukumari Bhattacharya	5,000.00
3.	Debasish Chandra Memorial Fund	Dr. D. Chandra	5,000.00
4.	Gangadas Sarda Memorial Fund	Sri G. S. Sarda	20,000.00
5.	S. N. Bose Memorial Fund	Sri Sasadhar Bose & Utpal Bose	1,500.00
6.	Rajendra Kishore Memorial Fund	Sri N. C. Basu Roy Chowdhuri	2,000.00
7.	Sudip Some Memorial Fund	Dr. S. C. Some	10,000.00
8.	Prof. S. C. Mahalanbish Fund	Dr. N. Banerjee	5,000.00
9.	Prof. Sachchidananda Banerjee Fund	Physiology Department	6,000.00
10.	Prof. Achintya Kumar Mukherjee Memorial Fund	Physiology Department	4,000.00
11.	Prof. Narendramohon Basu Memorial Fund	Physiology Department	5,000.00
12.	Taraprasad Mukherjee Memorial Fund	Prof. S. P. Mukherjee	5,000.00
13.	N.C. Basu Roy Chowdhuri	Smt. Bela Basu Roy Chowdhuri	5,000.00
14.	Prof. Pratul Chandra Rakshit Fund	Chemistry Department	10,000.00
15.	Netaji Subhas Chandra Bose Fund	Sri Shyam Sundar Basak	2,500.00
16.	Dr. Meghnad Saha Memorial Fund	Sri Shyam Sundar Basak	2,500.00
17.	Sir Asuthosh Mukherjee Memorial Fund	Sri Shyam Sundar Basak	2,500.00
18.	Prof. Sukhomoy Chakraborty Memorial Fund	Sukhomoy Chakraborty Memo. Trust	60,000.00
19.	Kartick Chandra Mukherjee Memorial Fund	Smt. Sushmita Mukherjee	10,000.00
20.	Prof. Arun Kumar Roy Memorial Fund	Smt. Rita Roy	25,000.00
21.	Himani Deb Memorial Fund	Sri Kamal Kumar Ghatak	2,500.00
22.	Dept. of Sociology Foundation Fund	Sri Prasanta Roy	5,000.00
23.	Tarapada Mukherjee Memorial Fund	Sri Ashoke Kumar Mukherjee	5,000.00
24.	Monoranjan Mitra Memorial Fund	Sri Manindra Chandra Mitra	10,000.00
25.	Bibhutibhushan Sen Memorial Fund	Sri Manindra Chandra Mitra	12,000.00
26.	Arijit Sengupta Memorial Fund	Smt. Arati Roy	12,000.00
27.	Akhil Bharatiya Pragatisil Sultanpur Samaj Fund	Sultanpur Samaj	5,000.00
28.	Aparajita Memorial Fund	Sri Dilip Kumar Chakraborty	5,000.00
29.	Dr. Satinath Bagchi Memorial Fund	Sri Pratul Kumar Bagchi	5,000.00
30.	Dr. Hara Prasad Mitra Memorial Fund	Dr. Namita Mitra	5,000.00
31.	Dr. Pravasijiban Chowdhuri Memorial Fund	Smt. Ashabari Chowdhuri, Hritabari Roy & Smt. Ruchria Mazumdar	4,000.00
32.	Nirodebaran Bakshi Memorial Fund		6,500.00
33.	Prafulla Chandra Ghosh Memorial Fund		4,000.00
34.	Sawpna Saha Memorial Fund		1,000.00
35.	Bijoy Memorial Scholarship Fund		10,900.00
36.	Prof. P. C. Mahalanabish Fund	Re-union Committee 1974 Stat. Dept.	10,000.00
37.	Dhruba Das Athletic Fund		950.00
38.	Donation from Sadlar Hall		1,100.00
39.	Kartick Chandra Mallick Memorial Fund		1,300.00
40.	B.C. Das Scholarship Fund		18,500.00
41.	Chandranath Moitra Medal Fund		500.00
42.	Presidency College Assembly Hall Fund		3,000.00
43.	Un-claimed Deposit Money Fund		1,900.00

44.	Sir Asutosh Memorial Fund	1,700.00
45.	Kuruvilla Jacharia Memorial Fund	1,29,600.00
46.	J. C. Nag Memorial Fund	600.00
47.	Bani Basu Memorial Prize Fund	1,900.00
48.	Kunja Behari Basak Memorial Fund	200.00
49.	Maharaj Gwalior Medal Fund	900.00
50.	Scindia Silver Medal Fund	3,500.00
51.	Presidency College Graduate Scholarship Fund	4,700.00
52.	Presidency College Graduate Scholarship Fund	1,61,000.00
53.	Arun Sarkar Memorial Fund	1,000.00
54.	Astronomical Society of India Fund	1,000.00
55.	Chandranarayan Gold Medal	1,500.00
56.	B. C. Laha Free Studentship	8,000.00
57.	Girish Chandra Deb Prize Fund	800.00
58.	H. Sil Kabiratna Memorial Fund	400.00
59.	Roy Bahadur Debendrachandra Ghosh Fund	2,000.00
60.	Cunningham Memorial Fund	2,700.00
61.	Acharya Prafulla Chandra Roy Scholarship Fund	10,300.00
62.	1) T. S. Sterling Stipend Fund	3,30,000.00
63.	2) T. S. Sterling Stipend Fund	63,700.00
64.	Principal, Presidency College Fund	4,25,000.00
65.	Charuchandra Ghosh Memorial Fund	1,500.00
66.	Shyamapada Bhattacharyya Memorial Fund	5,000.00
67.	Nitishchandra Chakraborty Memorial Fund	2,500.00
68.	Nareshchandra Chakraborty Memorial Fund	2,500.00
69.	Lilabati Roy Memorial Fund	2,500.00
70.	Parthasarathi Gupta Memorial Fund	10,000.00
71.	Ila Mukhopadhyay Memorial Fund	6,000.00
72.	Rajsekhar Basu Memorial Fund	25,000.00
73.	Ajay Chandra Banerjee Memo. Fund	15,000.00
74.	Chandan Bhattacharya Memo. Fund	6,000.00
75.	U. N. Ghoshal Memorial Fund	1,500.00
76.	Aparajita Chattopadhyay Memo. Fund	5,000.00
77.	Sushil Kr. Banerjee Memo. Fund	30,000.00
78.	Arabindo Memorial Fund	10,000.00
79.	Ahibhushan Chatterjee Memorial Fund	20,000.00
80.	Bholanath Das Memorial Fund	5,000.00
81.	Presidency College Magazine Endowment Fund	1,40,000.00
82.	Presidency College Fund for College Function and Seminars	35,000.00
83.	Annual Prizes-in-Geography,	7,500.00
84.	Ramanuj Patti Ayengar Memo. Fund	5,000.00
85.	Late Makhun Lal Sarkar Prize Fund	5,000.00
86.	Late Bibhabati Sarkar Prize Fund	5,000.00
87.	Ashin Dasgupta Book Prize	15,000.00
88.	Centenary Scholarship Fund, Govt. College, Hindu Hostel	15,000.00
89.	Dhirendranath Chatterjee Memo. Fund	10,000.00
90.	Prof. Shyamal Kr. Chattopadhyay Memo. Fund	89,000.00
91.	Nihar Ranjan Dutta Memo Fund	13,000.00
92.	Shyamaprasad Mukherjee Gold Medal	50,000.00
93.	Priyadaranjan Roy Book Prize	32,000.00
94.	Late Harendralal Basak Memorial Lecture	5,00,000.00
95.	Monindra Nath Saha Memorial Prize	15,000.00
96.	Satish Ranjan Banerjee Memorial Prize	20,000.00

97.	Punyalekha Banerjee Memorial Prize	- Do-	20,000.00
98.	Jyotish Chandra Roy Memorial Prize	Sri Shyamal Kumar Roy	1,200.00
99.	Prof. Anil Kr. Bhattacharya Memo. Prize	Millennium Re-Union Committee of Statistics Department, Presidency College	10,000.00
100.	Prof. Amulyadhan Mukherjee Centenary Fund	Sri Amit Mukherjee	15,000.00
101.	Late Arnab Biswas Memorial Medal	Smt. Saraswati Misra	10,000.00
102.	Shovik Banerjee Memorial Scholarship	Geology Honours Students '96-99	11,000.00
103.	Mahadev Maity Memorial Trust Fund	Sri Shyamal Kumar Maity	10,000.00
104.	Sudipto Ghosh Memorial Research Fund	Mrs. Shukla Ghosh	5,00,000.00
105.	Prof. Sachchidananda Bannerji Research Contingency Fund	Prof. S. Banerjee Felicitation Committee	1,20,000.00
106.	Narayan Chandra Ghosh Memorial Endowment	Smt. Bina Ghosh	25,000.00
107.	Dipak Chandra Ghosh Memorial Endowment	- Do-	25,000.00
108.	Udayan Mukherjee Memorial Debate Endowment	Sri Partha Sarathi Sengupta	1,00,000.00
109.	Sir Upendranath Brahmachari Memorial Fund	Dr. U.N. Brahmachari Memorial Trust	10,000.00
110.	Bani Bakshi Foundation Endowment	Sri P.R. Rakshit, Chairman Bani Bakshi Foundation	46000.00
111.	Kanak Prava Devi and Jyotish Chandra Chakraborty Memorial Fund	Dr. B. K. Chakraborty	1,00,000.00
112.	Prof. Sivatosh Mookherjee Medal	Aparajita Memorial Charitable Trust	5,000.00
113.	Chandra Narayan Das Memorial Trust	Sri Kumar Kislay	10,000.00
114.	Shobhana Devi and Upendra Narayan Bhattacharya Memorial Endowment	Prof. Dip Bhattacharya	1,00,000.00
115.	Kamalmani Sharma Memorial Endowment	Prof. Manimala Das	50,000.00
116.	Surya Kumar Das Memorial Trust	Smt. Manjusree Das, Sri Amit Kumar Das & Sri Sumit Kumar Das	25,000.00
117.	Jayanta Bijoy De Memorial Scholarship Fund	Smt. Shukla De	2,25,000.00
118.	Chitralekha Mukherjee Memorial Fund	Smt. Debatri Banerjee	25,000.00
119.	Poor Student's Endowment Fund	Presidency College	2,50,000.00
120.	Gymnasium, Games and sports Endowment Fund		3,50,000.00
121.	Choir, Prasangiki and Misc. Endowment Fund		2,00,000.00
122.	Prof. Parimal Krishna Sen Memorial Endowment Fund	Mrs. Ranu Sen	25,000.00
123.	Dr. Atul Chandra Biswas Memorial Endowment Fund	Dr. Anjan Biswas	50,000.00
124.	Prof. Shyamal Kr. Chattopadhyay Memorial Fund	(2) Sri Pradip K. Chattopadhyay	45,000.00
125.	Prof. Sivatosh Mookerjee Memorial Trust Fund	Reunion Committee, Zoology Dept.	25,000.00
126.	Late Paramesh Chandra Bhattacharjee Endowment	Sri Pushpak Bhattacharjee	40,000.00
127.	Prof. Sivatosh Mookherjee Memorial Trust Fund in Molecular Biology	Zoology Department	25,000.00
128.	Late Phanindranath Mukherjee Memorial Fund.	Smt. Shanta Ganguly	66,00,000.00
129.	Late Samir Kumar Ganguly Memorial Fund in Physiology	Smt. Shanta Ganguly	66,00,000.00
130.	Late Samir Kumar Ganguly Memorial Fund in Applied Economics	Smt. Shanta Ganguly	66,00,000.00
131.	Late Khagendra Pal Chaudhuri Memorial Fund in History	Prof. Jyotirmoy Pal Chaudhuri	25,000.00
132.	Late Ramgopal Bhattacharyya Memorial Fund in Chemistry and Biochemistry	Smt. Purnima Bhattacharyya	1,00,000.00
133.	Late Kankona Chakraborty Memorial Endowment in Statistics	Sri Nirmalansu Chakraborty and Smt. Runa Chakraborty	30,000.00
134.	B.S. Mathematics Topper Prize	Rita & Parimal Chakraborty	1,00,000.00
135.	Professor Pradip Kumar Gangopadhyay Book Prize for Topper in B.Sc. Geology	Aparajita Dutta	1,00,000.00
136.	Dr. Atasi Banerjee Memorial Gold Medal for Topper in B.Sc.	Amal Kumar Bandopadhyay	75,000.00
GRAND TOTAL			56,11,850.00

Appendix - 3

OFFICE OF THE VICE CHANCELLOR PRESIDENCY UNIVERSITY

Hon'ble Vice Chancellor : Professor Malabika Sarkar

Registrar

Prof. Prabir Dasgupta

Controller of Examination

Sri Debajyoti Konar

Officer on Special Duty

Prof. Arunabha Basu

Assistant Registrar

Sri Anirban Chakraborti

Office of the Vice Chancellor

Smt. Parijat Chakrabarty

Smt. Karnali Banerjee

Sri Shah Alam

Smt. Avipsa Auddy

Office of the Finance Officer

Smt. Ankita Dasgupta

Smt. Poulami Seal

Sri Arun Dutta

Sri Subrata Bhattacharya

Smt. Amrita Biswas

Sri Kausik Roy

Sri Anand Thakur

Existing Staff Position of the Administrative Office & Departments

Sri Ardhendu Bepari

Sri Sankar Banerjee

Sri Mrinal Kanti Sengupta

Sri Sanjib Dhar

Sri Kalyan Chakraborty

Sri Ganesh Thakur

Finance Officer

Dr. Prithul Chakraborty

Dean of Students

Dr. Debashruti Roychowdhury

Accounts Officer

Sri Chanchal Bhattacharyya

Senior System Analyst

Sri Debapratim Mishra

Office of the Registrat

Smt. Joyinee Ganguly

Smt. Debarati Sen

Smt. Monideepa Chatterjee

Sri Sourav Ghosh

Sri Kalyan Bhattacharya

Office of Dean of Students' Affair

Smt. Babita Mishra

Smt. Jyoti Mishra

Sri Manjil Mandal

Sri Nirmal Singh

Sri Joydev Das
Sri Susanta Roy
Sri Biswajit Das

Sri Tushar Chakraborty
Sri Pradip Das

Technical Assistant
Sri Sukumar Samanta

Draftsman
Sri Biren Bandyopadhyay
Sri Pratul Ranjan Chakraborty

Instrument Keeper
Smt. Pratima Halder
Sri Rintu Dey

Artist-Cum-Record keeper
Sri Tarun Kanti Roy

Electrician
Sri Amitabha Bhar

Carpenter
Sri Haren Chandra Baidya

Driver

Sri Rajendra Singh, Sri Taraknath Pradhan, Sri Haribandhu Hira

Contractual Staff

Sri Anirban Chakraborty, PA to V.C. (Administration)
Sri Uttam Samanta

Existing Assisting Staff Position of the Administrative Office and Departments

Establishment Attendant.

Sri Rammurat Pr. Rangwa.	Sri Prasanta Kr. Mandal	Smt. Chameli Das
Sri Mohanlal Rangwa.	Sri Bijoy Kr. Barik.	Sri Sushil Kr. Barik
Sri Keshab Ch. Roy.	Sri Gobinda Ch. Nath.	Sri Pradip Kr. Das
Sri Swapan Kr. Mukherjee.	Sri Shyama Pr. Basu.	Sri Dipak Kr. Roy
Sri Shyamal Kanti Singha.	Sri Md. Delambia.	Sri Rajkumar Ghosh
Sri Sabtri Barik	Sri Swapan Kr. Roy.	Sri Samar Nath Sur
Sri Madan Mohan Dutta.	Sri Timir Baran Samanta.	Sri Pranabbrata Guhathakurata
Sri Puspa Rani Dey.	Sri Md. Shaukat.	Sri Sabitabrata Paul
Sri Shilarani Ghosh (Das).	Sri Sisir Singha.	Smt. Sulata Kundu (Khan)
Sri Pradip Banerjee.	Sri Shyam Sundar Prasad.	Smt. Karabi Das
Sri Dilip Kr. Bir.	Sri Goutam Dutta	Sri Susanta Roy
Sri Arun Moitra	Sri Somnath Chatterjee	Sri Biplab Sarkar
Sri Netai Ch. Dey	Sri Bijoy Singh	Sri Shibu Hansda
Sri Balmiki Prasad	Sri Kartick Ch. Sarkar	Sri Dibyendu Mazumdar
Sri Sambhu Nath Das	Sri Hanuman Prasad Dhuria	Smt. Jharna Sarkar
Sri Dilip Hazra	Smt. Susama Barik	Sri Putul Chattopadhyay

Skilled Bearer

Sri Khangendra Nath Jana
Sri Babulal Das
Sri Ramnath Prasad

Sri Haradhan Saha
Sri Tapan Kr. Bhanja
Sri Ananta Kr. Barik

Sri Kashinath Mondal

Sri Kartick Ch. Das

Sri Kamalesh Mondal

Peon

Sri Narayan Ghosh

Bearer

Sri Sunil Ch. Barua

Library Bearere

Sri Immam Rasul

Bell Man

Sri Bishu Adhikary

Section Cutter

Sri Chittaranjan Chatterjee

Specimen Collector

Sri Sukumar Barua

Boiler Attendant

Sri Ashok Kr. Nayek

Mali

Sri Kalipada Jana/Sanat Nandi/Asish Maity

Darwan

Sri Santosh Singh / Sri Sanjoy Kr. Dey

Night-Watchman

Sri Sanat Sil / Sri Santosh Hansda / Sri Ajoy Sil

Sri Ashutosh Choudhury / Sri Shyamal Tapadar

Sweeper

Sri Sankar Hela (1)

Sri Ghanashyam Hela

Sri Sankar Hela (2)

Sri Ramnarayan Hela

Smt. Sumati Hazra

Sri Lalit Mohan Hazra

Sri Raja Hela

Smt. Radha Hela

Smt Santi Hela

Sri Srikanta Patra

Sri Goutam Roy

Sri Abdul Sovan Khan

Sri Bablu Hela

Smt. Maya Hazra

Sri Harabilash Balmiki

Sri Kartick Hela

Smt. Bina Hela

Sri Basudeb Hela

Sri Mongal Hazra

Sri Bablu Hela

Appendix - 4

MEMBERS OF THE PRESIDENCY UNIVERSITY COUNCIL

Chancellor : Hon'ble Governor, West Bengal
Shri M.K. Narayanan

Vice-Chancellor : Prof. Malabika Sarkar

Nominated Members : Prof. Sugata Bose
Gardiner Professor of History, Harvard University

: Dr. Isher Judge Ahluwalia
Indian Council for Research on International Economic
Relations

: Prof. Abhijit Banerjee
Ford Foundation International Professor of Economics
Massachusetts Institute of Technology

: Prof. Swapan Chakraborty
Director General, National Library

: Prof. Himadri Pakrasi
Freiburg Professor and Director, International Center
for Advanced Renewable Energy and Sustainability,
Washington University

: Prof. Ashoke Sen
Professor of Physics, Harish Chandra Research Institute,
Allahabad

: Prof. Sabyasachi Bhattacharya
Former Director, TIFR, Mumbai and NCBS, Bangalore

: Prof. Nayonjot Lahiri
Former Dean of Colleges, Delhi University

: Prof. Rahul Mukherjee
Professor of Statistics, Indian Institute of Management,
Kolkata

Ex-officio Members

: The Chairman
West Bengal Council of Higher Education, Kolkata

: The President,
West Bengal Council of Higher Secondary Education,
Kolkata

: The Principal Secretary to the Government of
West Bengal,
Department of Higher Education, Kolkata

: The Secretary to the Government of West Bengal,
Department of Finance, Kolkata

: Registrar,
Presidency University, Kolkata

116

