

Pharmacology

1. STAFF & SCHOLARS

Faculty

	Post / Designation
Prof Amal Kanti Das MBBS, MD	Professor & Head
Prof. Mitali Chatterjee MBBS, MD, PhD, MAMS	Professor
Prof. Suparna Chatterjee MBBS, DTMH, MD	Professor
Prof. Avijit Hazra MBBS, MD	Professor
Dr. Amrita Sil MBBS, MD	Assistant Professor
Dr. Avjit Kundu MBBS, MD	Assistant Professor
Dr. Tridib Kumar Ray MBBS	Demonstrator
Dr. Chaitali Sengupta MBBS	Demonstrator
Dr. Sreya Todi MBBS	Demonstrator
Dr. Ranjan Basu MBBS, MD	Demonstrator (transferred 21.08.2015)
Dr. Sarbajit Mazumder MBBS MD	Demonstrator (transferred 20.01.2015)

Postgraduate trainees

Dr. Bikramjit Barkondaj MBBS	MD PGT 2013-16
Dr. Nafisha Yasmin MBBS	MD PGT 2013-16
Dr. Subhrangsu Chatterjee MBBS	MD PGT 2013-16
Dr. Lily Dubey MBBS	MD PGT 2013-16
Dr. Chandrakona Bandyopadhyay MBBS, DLO	MD PGT 2013-16
Dr. Vivek Kumar Verma MBBS	MD PGT 2013-16
Dr. Manjari Kumari MBBS	MD PGT 2014-17
Dr. Amritendu Mondal MBBS	MD PGT 2014-17
Dr. Anindita Pal MBBS	MD PGT 2014-17
Dr. Banhisikha Adhikary MBBS	MD PGT 2014-17
Dr. Monalisa Dhuya MBBS	MD PGT 2014-17
Dr. Prajesh Kiran Bhunya MBBS	MD PGT 2015-18
Dr. Shouvik Choudhury MBBS	MD PGT 2015-18
Dr. Sandeep Lahiry MBBS	MD PGT 2015-18
Dr. Ayan Mukherjee MBBS	MD PGT 2015-18
Dr. Moumita Bala MBBS	MD PGT 2015-18
Dr. Koustuv Chowdhury MBBS	MD PGT 2015-18

Research scholars

Dr. Tapas Kumar Sur MSc, PhD	Postdoctoral Research Scholar
Mr. Alak Manna MSc	Senior Research Fellow
Ms. Susmita Ghosh MSc	Senior Research Fellow
Ms. Susmita Roy MSc	Senior Research Fellow
Ms. Soumita De Mpharm	Junior Research Fellow
Mr. Shibabrata Mukherjee MSc	Junior Research Fellow
Ms. Sritama De Sarkar MSc	Junior Research Fellow
Ms. Sneha Mitra MSc	Junior Research Fellow
Ms. Indrani Chakraborty MSc	Junior Research Fellow
Mr. Bodhisatta Chakraborty	Coordinator – Pharmacovigilance Programme of India

Medical Technologists (Laboratory)

Mr. Debajyoti Paharai	M.T. (Lab)
Mr. Anup Samanta	M.T. (Lab)

Other non-teaching staff

Mr. Tapan Kumar Ghosh	GDA
Mr. Md. Rahatulla	GDA
Mrs. Sabitri Devi Mallick	Sweeper (Expired on duty)

2. TRANSFERS AND POSTINGS

Name of officer	Transferred from / to	Release date
Dr. Ranjan Basu	Dept. of Microbiology, Murshidabad Medical College	Transferred on 21.08.2015
Dr. Sarbajit Mazumder	Department of Anatomy, IPGME&R	Transferred on 21.08.2015

3. FACULTY NEWS

Prof. Amal Kanti Das

- Served as Dean of Student Affairs, IPGME&R, Kolkata.
- Served as Member, Library Committee, Medical Education Committee, Anti-Ragging Committee and Institutional Animal Ethics Committee of IPGME&R, Kolkata.
- Convener, Merit cum Means Scholarship Award Committee of IPGME&R, Kolkata.
- Examiner in pharmacology for 2nd MBBS examination of The West Bengal University of Health Sciences, Kolkata.
- Centre-in-Charge for Professional MBBS Examinations and other University examinations at IPGME&R, Kolkata.
- MD Pharmacology Thesis Adjudicator for the West Bengal University of Health Sciences, Kolkata.
- Served as Member, Pharmacist Selection Panel of the Indian Institute of Science Education & Research (IISER), Shibpur, Howrah.
- Served as member of various expert panels appointed by Government of West Bengal for inspections and enquiries.
- Sep 7-11: Participated in the Training Course on Curriculum Design and Evaluation at the National Institute of Health & Family Welfare, Munirka, New Delhi.

Prof. Mitali Chatterjee

- Elected Fellow, National Academy of Sciences, India (FNASc)
- January 2015: Organized a symposium 'Elimination of Leishmaniasis in South Asia by 2015: a myth or reality?'
- April 2015: Received Human Resource Development Senior Research Fellowship, ICMR, Govt. of India. Visiting Fellow, Centre for Immunology & Infection, Univ. of York Medical School, York, UK.
- Nov 9-22, 2015: Invited as 'Visiting Expert' through Third World Academy of Sciences to Faculty of Medicine, Dept. of Parasitology, Colombo.
- Invited speaker, 'Malabaricones via redox dysregulation are effective anti-cancer therapeutics' H3C Health Sciences Innovation Conference, Ohio State Univ. & AIIMS, Mumbai,
- Invited speaker, 'Unravelling the mystery of Post Kala-azar Dermal Leishmaniasis in South Asia', London School of Tropical Medicine & Hygiene, London, UK, April, 2015.
- Invited speaker, 'Plant derived anti oxidants are an effective add on therapy in inflammatory diseases' Armed Forces Radiobiology Research Institute, Bethesda, Maryland, USA, April 2015
- Invited speaker, 'Tracking of free radicals in health and disease by Flow cytometry', Annual Meeting of The Cytometry Society, Mumbai, October 2015
- Invited speaker, Elimination of Leishmaniasis in South Asia by 2015: a myth or reality? Sri Lanka Medical Association, Colombo Sri Lanka, November 2015
- Invited speaker, 'Raising stress levels in cancer cells is an effective chemotherapeutic strategy' Dept. of Zoology, Univ, of Calcutta, November 2015
- Member, Expert group on 'Metabolic Disorders and Autoimmune Diseases', Dept. of Biotechnology, Govt. of India
- Serving as Member, Life Sciences Committee, 'Funds for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)' Program, Dept. of Science & Technology, Govt. of India
- Serving as Member, State Level Task Force for Kala Azar in West Bengal
- Serving as Member, Departmental Technical Advisory Committee (R&D), Dept. of Biotechnology, Govt. of West Bengal
- Served as Vice President, The Cytometry Society of India. Elected as President, The Cytometry Society of India, 2015-17.
- Served as Examiner for Pharmacology examination, 2nd MBBS, West Bengal Univ. of Health Sciences
- Served as MPhil/PhD examiner, Calcutta University, Jadavpur University, Kolkata, Jawaharlal Nehru University, New Delhi and WB Animal & Fishery Sciences, Kolkata.
- Acted as Coordinating Member of the Animal Ethics Committee of IPGME&R, Kolkata and served as Member, Biosafety Committee, Indian Institute of Chemical Biology, CSIR, Kolkata.
- Serving as Guest Faculty for MS Pharmaceutical Sciences course of National Institute of Pharmaceutical Education & Research (NIPER), Kolkata.

- Served as Reviewer for Journal of Ethnopharmacology, International Immunopharmacology, Antimicrobial agents and Chemotherapy, Indian Journal of Medical Research, Indian Journal of Dermatology, Indian Journal of Pharmacology, PLoS One, PLoS Neglected Tropical Diseases, Journal of Antimicrobial Therapy
- Adjunct Faculty, Biomedical Genomics Centre, Kolkata
- Guest Faculty for MS Pharmaceutical Sciences course of National Institute of Pharmaceutical Education & Research (NIPER), Kolkata.

In addition to projects of concerned MD pharmacology students, served as Principal Investigator / Supervisor of the following projects

SN	Title of the project	Duration	Funding agency
1	Evaluation of molecular and diagnostic markers for monitoring of post kala-azar dermal leishmaniasis (PKDL) in West Bengal.	2012-15	ICMR, Govt. of India
2	Malabaricones as potential anticancer agents.	2013-16	DST, Govt. of West Bengal
3	Therapeutic effectiveness of allylpyrocatechol (APC) in experimental models of arthritis.	2012-15	DBT, Govt. of India

Prof. Suparna Chatterjee

- Member Signal Review Panel, Pharmacovigilance Program of India, Govt of India.
- Chief Coordinator, Training and Technical Support of Eastern Regional Resource Centre of the Pharmacovigilance Program of India (PvPI), Govt. of India and Coordinator of ADR Monitoring centre (AMC) under PvPI at IPGME&R, Kolkata.
- Convener, Pharmacovigilance Committee of IPGME&R, Kolkata.
- Member, Fair Price Shop Monitoring Committee of SSKM Hospital, Kolkata.
- Member, Purchase Committee of SSKM Hospital, Kolkata.
- Member of Ethics Committee for Biomedical Research on Human subjects of Institute of Child Health, Kolkata.
- Member, Executive Committee, Biomedical Genomics Centre, Kolkata.
- External expert for Indian Pharmacopoeia Commission, Govt. of India for recruitment of Technical Associates.
- Guest Faculty for MS Pharmaceutical Sciences course of National Institute of Pharmaceutical Education & Research (NIPER), Kolkata.
- Examiner and paper setter of MBBS and MD of the West Bengal University of Health Sciences, Utkal University, Assam University, Tripura University, Maharashtra University of Health Sciences and KIIT University.
- Served as reviewer for Indian Journal of Pharmacology and International Journal of Ayurveda Research.
- Apr 10-11: Served as faculty in Research Methodology & Biostatistics Workshop on behalf of Medical Education Unit, IPGME&R.
- Jun 24: Invited lecture on "Relevance and importance of drug safety reporting in India" at VSS Medical College, Burla, Odisha.
- July 16: Invited lecture on "Safety reporting in clinical trial" and "Compensation for Clinical trial related Injury" at GCP Training program at Fortis Hospital, Kolkata.
- Aug 22: Guest lecture on "Overview of Good Clinical Practice" at GCP training program of Jadavpur University BA/BE Center.
- Oct 3: Delivered guest lecture at NIPER RaeBareilly titled "Pharmacogenomics: an overview".
- Oct 31: Participated as resource person in Society of Pharmacovigilance India 15th Annual Conference (SoPICON-2015) organized by School of Tropical Medicine, Kolkata, at KPC Medical College & Hospital, Kolkata. Presented lecture on "Pharmacovigilance in Public Health Programs.
- Nov 27: Served as faculty and Coordinator at 'Training Program in Pharmacovigilance' at IPGME&R Kolkata. Program organized by Dept. of Pharmacology, IPGME&R, Kolkata and supported by Indian Pharmacopoeia Commission, Ghaziabad. Delivered talks on "Overview of Pharmacovigilance Program of India".
- Dec 5: Invited guest lecture on "Therapeutic drug monitoring in Pharmacovigilance" at CME program, Kalinga Institute of Medical Sciences. Bhubaneswar.
- Principal investigator of the collaborating center (IPGME&R, Kolkata) for the ICMR funded project on "Antibiotic stewardship program and advocacy of rational antimicrobial use". (Approved to be initiated shortly).

Prof. Avijit Hazra

- Served as Member Secretary, Institutional Ethics Committee, IPGME&R, Kolkata.

- Member, Institutional Ethics Committee of National Research Institute of Ayurveda for Drug Development, Kolkata, Nightingale Hospital, Kolkata and National Allergy Asthma & Bronchitis Institute (NAABI), Kolkata.
- Deputy Coordinator of ADR Monitoring centre (AMC) of the Government of India Pharmacovigilance Program of India (PvPI) at IPGME&R, Kolkata.
- Member, Library Committee, Pharmacovigilance Committee and Merit cum Means Scholarship Award Committee of IPGME&R, Kolkata.
- Examiner in pharmacology for MBBS examination of medical / dental streams of The West Bengal University of Health Sciences, Manipur University and Tripura University.
- Examiner for MD Pharmacology Examination of Mahatma Gandhi Mission (MGM) University, Kamothe, Navi Mumbai.
- Examiner for DM Clinical Pharmacology Examination of the West Bengal University of Health Sciences.
- PhD Examiner for Department of Science, Netaji Subhas Open University, Kolkata.
- Faculty for the Medical Teachers Training Courses organized by the Institute of Health & Family Welfare, Government of West Bengal.
- Guest Faculty for MS Pharmaceutical Sciences course of National Institute of Pharmaceutical Education & Research (NIPER), Kolkata, MSc Neuroscience course of University of Calcutta and Diploma in Clinical Research & Regulatory Affairs course of Jadavpur University, Kolkata.
- Paper-setter for examinations in pharmacology conducted by the West Bengal University of Health Sciences and paramedical courses conducted by West Bengal State Medical Faculty.
- Served as Member, Pharmacist Selection Panel of the Indian Institute of Science Education & Research (IISER), Shibpur, Howrah.
- Served as statistical consultant for various departments of IPGME&R, Kolkata. Also associated with a few projects of other institutions as statistical advisor.
- Served as reviewer for BMC Anesthesiology, Indian Journal of Medical Research, Indian Journal of Pharmacology (IJP), Indian Journal of Dermatology, Journal of Postgraduate Medicine and Indian Journal of Physical Medicine & Rehabilitation. Member of Editorial Board of IJP.
- Feb 26-27: Served as faculty for the awareness program 'Current Regulatory Requirements for Members of Institutional Ethics Committee' organized at B. M. Birla Heart Research Centre, Kolkata, by Clinical Development Services Agency (CDSA), an extramural unit of Translational Health Science & Technology Institute (THSTI), Department of Biotechnology, Govt. of India.
- Mar 2-3: Served as faculty for the 'Regional Symposium on Medicine Safety and Pharmacovigilance' at School of Tropical Medicine, Kolkata.
- Mar 11: Served as Chief Guest and theme speaker on 'Frontiers in Pharmacology' at PHARMATECH-2015 organized by Dept. of Pharmacology & Therapeutics, Seth GS Medical College & KEM Hospital, Mumbai.
- Mar 14: Served as session chairperson at the 3rd Annual Conference of the Association of Physiologists and Pharmacologists of India, Kolkata Chapter, at IPGME&R, Kolkata.
- Apr 10-11: Conducted Research Methodology & Biostatistics Workshop on behalf of Medical Education Unit, IPGME&R.
- May 8: Delivered invited talk on 'Role of the community pharmacist' in the seminar on 'Community pharmacy and its impact on society' at Calcutta Institute of Pharmaceutical Technology (CIPT), Uluberia.
- Jul 3: Presented invited talks on 'Clinical study design' and 'Statistics of diagnostic tests' at the Association of Clinical Biochemists West Bengal Chapter meeting on 'Quality assurance in the laboratory' at College of Medicine & Jawaharlal Nehru Hospital, Kalyani.
- Jul 5: Presented invited talks on 'Research designs' and 'Biomedical statistics' at the CME on Medical Education & Research organized by the Bengal Obstetrics and Gynecological Society at Chittaranjan Seva Sadan Hospital.
- Jul 18: Participated, as faculty, in the CME on Research methodology and Paper writing organized by 'Indian Pharmacological Society, West Bengal Branch' at West Bengal university of Animal & Fishery Sciences, Kolkata.
- July 22: Participated, as faculty, in the Good Clinical Practice (GCP) with Focus on Palliative Care Research' symposium organized by department of Palliative Care, Saroj Gupta Cancer Center & Research Institute (SGCCRI), Thakurpukur, Kolkata.
- Aug 8-9: Participated, as faculty, in the IADVL Research Methodology Workshop organized at Gauhati Medical College (GMC) by Dept. of Dermatology, GMC, Medical Education Unit, GMC, IADVL Academy and IADVL North-East Branch, Guwahati.
- Sep 7-11: Participated in the Training Course on Curriculum Design and Evaluation at the National Institute of Health & Family Welfare, Munirka, New Delhi.
- Oct 31-Nov 2: Participated as resource person in Society of Pharmacovigilance India 15th Annual Conference (SoPICON-2015) organized by School of Tropical Medicine, Kolkata, at KPC Medical College & Hospital, Kolkata.
- Nov 27: Served as faculty at 'Training Program in Pharmacovigilance' at IPGME&R Kolkata. Program organized by Dept. of Pharmacology, IPGME&R, Kolkata and supported by Indian Pharmacopoeia Commission, Ghaziabad.

- Nov 29: Served as faculty at 'Sensitization Program on GCP' organized by National Allergy Asthma Bronchitis Institute (NAABI), Kolkata.
- Dec 4: Served as faculty for 'Research Methodology Workshop' conducted by College of Medicine and Sagore Dutta Hospital, Kamarhati.
- Dec 18-20: Attended 48th Annual Conference of Indian Pharmacological Society (IPSCON-2016) at Saurashtra University, Rajkot, Gujarat. Chaired Achari Prize Session.

In addition to projects of concerned MD pharmacology students, served as Investigator / Co-Investigator / Supervisor of the following projects

SN	Title of the project	Duration	Funding agency
1	Assessment of environmental contaminants in raw herbal materials used in medicinal products in West Bengal. [Ongoing; Principal Investigator]	2015-17	DST, Govt. of West Bengal
2	Assessment of factors associated with non-compliance regarding drugs and lifestyle behaviors in post-renal transplant patients [PhD thesis, registered 2010, under The West Bengal University of Health Sciences of Mrs. Uma Rani Adhikari, Staff Nurse, West Bengal Nursing Service] [Ongoing; Co-Supervisor]	2010-15	Nil

Dr. Amrita Sil

- Conferences / workshops attended:
 - Training program in Pharmacovigilance on 27.11.2015 held at East Zone Regional Centre for training and technical support, Department of Pharmacology, IPGME&R, Kolkata
 - SoPICON-2015: The 15th Annual Conference of the Society of Pharmacovigilance India and International Colloquium on Patient Safety held on October 31st to November 2nd, 2015 at Kolkata
- Presentation at conferences:
 - A Sil, N K Das, A Das, S Mohanty, A Ghosh, R Gharami, D Bandyopadhyay. Effectiveness, safety and tolerability of Cyclosporine A (CsA) vs Supportive treatment in SJS/TEN: a record based study. In: The 15th Annual Conference of the Society of Pharmacovigilance India (SoPICON 2015) held on October 31st to November 2nd, 2015, Kolkata.
- Projects ongoing or recently completed.

SN	Title of the project	Duration	Funding agency
1	Subcutaneous AST in chronic urticaria [Co-Investigator]	2015-16	Nil.
2	Effectiveness and safety and cytokine profile of Mw vaccine vs. PPD in cutaneous warts. [Co-Investigator]	2015-16	ICMR (proposed)
3	Effectiveness and safety of metformin vs. Canthex in acanthosis nigricans. [Co-Investigator]	2015-16	M/s Curatio Health Care
4	Evaluation of precision of pediatric liquid dosage forms. [Principal Investigator]	2013-15	Nil.
5	Molecular epidemiological study for evaluating role of potential host factors as markers of susceptibility of leprosy in West Bengal, India. [Co-Investigator]	2013-15	DST Govt. of West Bengal

Dr. Tridib Kumar Ray

- Served as Centre-in-Charge for various examinations of the West Bengal University of Health Sciences at IPGME&R Kolkata, conducted at IPGME&R, Kolkata.

Dr. Chaitali Sengupta

- Served as Centre-in-Charge for various examinations of the West Bengal University of Health Sciences at IPGME&R Kolkata, conducted at IPGME&R, Kolkata.

Dr. Sreya Todi

- Conferences / workshops attended:
 - Research Methodology & Biostatistics Workshop conducted by the Department on Apr 10-11, 2015.
 - Training program in Pharmacovigilance on 27.11.2015 held at East Zone Regional Centre for training and technical support, Department of Pharmacology, IPGME&R, Kolkata.
 - SoPICON-2015: The 15th Annual Conference of the Society of Pharmacovigilance India and International Colloquium on Patient Safety held on October 31st to November 2nd, 2015 at Kolkata.

Publication by faculty, students and research scholars

1. Dey SK, Das AK, Sen S, Hazra A. Comparative evaluation of 2 g single dose versus conventional dose azithromycin in uncomplicated skin and skin structure infections. *Indian J Pharmacol* 2015; 47: 365-9.
2. Kumar D, Das B, Sen R, Kundu P, Manna A, Sarkar A, Chowdhury C, Chatterjee M, Das P. Andrographolide analogue induces apoptosis and autophagy mediated cell death in U937 cells by inhibition of PI3K/Akt/mTOR pathway. *PLoS One* 2015; 10: e0139657.
3. Mukhopadhyay D, Mukherjee S, Roy S, Dalton JE, Kundu S, Sarkar A, Das NK, Kaye PM, Chatterjee M. M2 polarization of monocytes-macrophages is a hallmark of Indian Post kala-azar dermal leishmaniasis. *PLoS Negl Trop Dis* 2015; 9: e0004145.
4. Mukherjee S, Mukhopadhyay D, Ghosh S, Barbhuiya JN, Das NK, Chatterjee M. Decreased frequency and secretion of CD26 promotes disease progression in Indian Post kala-azar dermal leishmaniasis. *J Clin Immunol* 2015; PMID:26644312.
5. De S, Sen T, Chatterjee M. Reduction of oxidative stress by an ethanolic extract of leaves of Piper betle (Paan) Linn. decreased Methotrexate-induced toxicity. *Mol Cell Biochem* 2015; 409: 191-7.
6. Manna A, De Sarkar S, De S, Bauri AK, Chattopadhyay S, Chatterjee M. The variable chemotherapeutic response of Malabaricone-A in leukemic and solid tumor cell lines depends on the degree of redox imbalance. *Phytomed* 2015; 22: 713-23.
7. Ghosh S, Das NK, Mukherjee S, Mukhopadhyay D, Barbhuiya JN, Hazra A, Chatterjee M. Case report series: Inadequacy of 12 weeks miltefosine treatment for Indian post kala-azar dermal leishmaniasis. *Am J Trop Med Hyg* 2015; 93: 767-9.
8. Manna A, Bauri AK, Chattopadhyay S, Chatterjee M. Effectiveness of Malabaricone-A in a multidrug resistant cell line is mediated via generation of redox imbalance. *Anti-Cancer Agents in Medicinal Chemistry* 2015; 15: 1156-63.
9. Mukhopadhyay D, Mukherjee S, Ghosh S, Roy S, Saha B, Das NK, Chatterjee M. A male preponderance in patients with Indian Post kala-azar dermal leishmaniasis is associated with increased circulating levels of testosterone. *Int J Dermatol* 2015; doi: 10.1111/ijd.13048.
10. Tasdemir D, Tierney M, Sen R, Bergonzi MC, Demirci B, Bilia AR, Baser KHC, Brun R, Chatterjee M. Antiprotozoal effect of *Artemisia indica* extracts and essential oil. *Planta Med* 2015; 81: 1029-37.
11. Pradhan R, Jain P, Paria A, Saha A, Sahoo J, Sen A, Mukherjee S, Som T, Hazra A, Warner N, Singh AK, Chatterjee M. Ratio of neutrophilic CD64 and monocytic HLA-DR: a novel parameter in diagnosis and prognostication of neonatal sepsis. *Cytometry B (Clin Cytom)* 2015. Published online Apr 8, 2015. [Epub ahead of print].
12. Mukherjee S, Mukhopadhyay D, Braun C, Barbhuiya, JN, Das N, Chatterjee U, von Stebut-Borschitz E, Chatterjee, M. Decreased presence of Langerhans cells is a critical determinant for Indian Post kala-azar dermal leishmaniasis. *Exp Dermatol* 2015; 24: 232-4.
13. Roy S, Mukhopadhyay D, Mukherjee S, Ghosh S, Kumar S, Sarkar K, Pal D, Bhowmik P, Mandal K, Modak D, Guha SK, Pramanik N, Goswami RP, Saha B, Chatterjee M. A defective oxidative burst and impaired antigen presentation are hallmarks of human visceral leishmaniasis. *J Clin Immunol* 2015; 35: 56-67.
14. Mandal G, Chatterjee C, Chatterjee M. Evaluation of anti-inflammatory activity of methanolic extract of leaves of *Bougainvillea spectabilis* in experimental animal models. *Pharmacognosy Res* 2015; 7: 18-22.
15. Sircar D, Chatterjee S, Waikhom R, Golay V, Raychaudhury A, Chatterjee S, Pandey R. Efficacy of febuxostat for slowing the GFR decline in patients with CKD and asymptomatic hyperuricemia: a 6-month, double-blind, randomized, placebo-controlled trial. *Am J Kidney Dis* 2015; 66: 945-50.
16. Brahmachari B, Chatterjee S. Myopathy induced by statin-ezetimibe combination. *Indian J Pharmacol* 2015; 47:563-4.
17. Choudhury S, Pradhan R, Sengupta G, Das M, Chatterjee M, Roy RK, Chatterjee S. Let's play with molecular pharmacology. *S Educ Health (Abingdon)* 2015 ; 28: 83-6.

18. Sur TK, Chatterjee S, Hazra AK, Pradhan R, Chowdhury S. Acute and sub-chronic oral toxicity study of black tea in rodents. *Indian J Pharmacol* 2015; 47: 167-72.
19. Farridi MMA, Bhattacharya N, Ghosh A, Mitra M, Chatterjee S, et al. Long term follow-up study to evaluate immunogenicity and safety of a single dose of live attenuated hepatitis A vaccine in children. *Hum Vaccin Immunother* 2015; 11: 1147-52.
20. Choudhury S, Pradhan R, Dubey L, barman L, Biswas T, Das M, Chatterjee S. Knowledge and perception regarding clinical trials among doctors in government medical colleges: A questionnaire based study. *Perspectives in clinical Research* 2015 (In press).
21. Das A, Chakraborti D, SahaRoy S, Bal C, Chatterjee S. Effect of endogenous female sex hormones fluctuations during menstrual cycle on heart rate changes. *ISOR JDMS* 2015; 4: 1-5.
22. Mondal R, Samanta M, Hazra A. Prospective study of neonatal birth trauma -Indian perspective. *J Clin Nutr* 2015. [In press].
23. Bhadra A, Mukherji J, Hazra A. Cervical length measurement in nulliparous women at term by ultrasound and its relationship to spontaneous onset of labour. *Ind J Med Res* 2015; 142. [In press]
24. Samanta M, Mondal R, Shah A, Hazra A, Ray S, Dhar G, Biswas R, Sabui TK, Raychaudhuri D, Chatterjee K, Kundu C, Sarkar S. Animal bites and rabies prophylaxis in rural children: Indian Perspective. *J Trop Pediatr* 2015 Oct 28. [Epub ahead of print]
25. Sur TK, Hazra A. Hepatoprotective and antioxidant activities of LST-02, a proprietary herbal formulation. *Indian J Physiol Pharmacol* 2015; 59. [In press]
26. Samanta M, Mondal R, Shah A, Hazra A, Ray S, Dhar G, Biswas R, Sabui TK, Raychaudhuri D, Chatterjee K, Kundu C, Sarkar S. Animal bites and rabies prophylaxis in rural children: Indian perspective. *J Trop Pediatr* 2015; Oct 28 [Epub ahead of print]. DOI:10.1093/tropej/fmv072.
27. Ghosh Dastidar A, Gupta A, Chakraborty A, Hazra A, Basu A. Adverse drug reaction profile of liposomal doxorubicin compared to conventional doxorubicin: an observational study. *Clin Cancer Investig J* 2015; 4: 13-6.
28. Samanta M, Mondal R, Ray S, Sabui T, Hazra A, Kundu C, Sarkar D, Chowdhury DR. Normative blood pressure data for Indian neonates. *Indian Pediatr* 2015; 52: 669-73.
29. Laha B, Hazra A. Medication error report: Intrathecal administration of labetalol during obstetric anesthesia. *Indian J Pharmacol* 2015; 47: 456-8.
30. Hazra A. Management of dementia. *Bengal Physicians J* 2015; 2: 71-6.
31. Samanta M, Mondal R, Ray S, Sabui TK, Kundu CK, Hazra A, Chatterjee K, Sarkar D. Blood pressure variation with gestational age and birth weight in Indian newborn. *J Trop Pediatr* 2015; 61: 197-205.
32. Roy S, Mallik C, Ghorai S, Hazra A, Majumdar A. Hypofractionated versus conventional radiotherapy with or without chemotherapy in head and neck cancer: A comparative study. *Clin Cancer Inv J* 2015; 4: 140-6.
33. Chatterjee C, Sen S, Begum SA, Adhikari A, Hazra A, Das AK. A questionnaire-based survey to ascertain the views of clinicians regarding rational use of antibiotics in teaching hospitals of Kolkata. *Indian J Pharmacol* 2015; 47: 105-8.
34. Sur TK, Hazra AK, Bhattacharyya D, Hazra A. Antiradical and antidiabetic properties of standardized extract of Sunderban mangrove *Rhizophora mucronata*. *Pharmacognosy Mag* 2015; 11: 389-94.
35. Banerjee TK, Dutta S, Ray BK, Ghosal M, Hazra A, Chaudhuri A, Das SK. Epidemiology of epilepsy and its burden in Kolkata, India. *Acta Neurol Scand* 2015; 132: 203-11.
36. Dasgupta S, Das S, Chawan NS, Hazra A. Nosocomial infections in the intensive care unit: Incidence, risk factors, outcome and associated pathogens in a public tertiary teaching hospital of Eastern India. *Indian J Crit Care Med* 2015;19:14-20.
37. Adhya A, Bain J, Ray O, Hazra A, Adhikari S, Dutta G, et al. Healing of burn wounds by topical treatment: A randomized controlled comparison between silver sulfadiazine and nano-crystalline silver. *J Basic Clin Pharma* 2015; 6: 29-34.
38. Das A, Sil A, Das NK, Roy K, Das AK, Bandyopadhyay D. Acyclovir in pityriasis rosea: An observer-blind, randomized controlled trial of effectiveness, safety and tolerability. *Indian Dermatol Online J* 2015;6:181-4.
39. Roy K, Sil A, Das NK, Bandyopadhyay D. Effectiveness and safety of clofazimine and pentoxifylline in type 2 lepra reaction: a double-blind, randomized, controlled study. *Int J Dermatol.* 2015 Jun 20. [Epub ahead of print].

4. Regular academic activities

The department continued its usual PG teaching program comprising didactic lectures, seminars, journal clubs and practical demonstrations.

The department has acquired 120 m² of additional space on the 5th Floor of the College Building which is now being utilized as Clinical Pharmacology Unit, Museum, Seminar Room (capacity 50 heads) and additional research and archival space. The Museum and Pharmacy Laboratory were utilized for teaching MBBS students. The Experimental Pharmacology laboratory was utilized by PG students and research scholars. The MBBS teaching program (both theory and practicals) has been running smoothly.

The department also undertook regular classes for BSc Nursing students of IPGME&R School of Nursing, Bachelor of Physiotherapy students of IPGME&R and students of various paramedical diploma courses posted in IPGME&R. The postgraduate medical students shared a large part of the teaching responsibility of these students.

5. RESEARCH PROJECTS AND GRANTS

The department continued utilization of further grant of Rs. 83 lakh under the infrastructure development scheme (FIST) of the Department of Science and Technology, Government of India. Additional equipment have been procured.

Other research projects, as mentioned earlier, are ongoing in the department, with postgraduate students or research scholars as the major workers and the faculty in supervisory position.

6. THESES PUBLICATION, STUDENT AND RESEARCH SCHOLAR INFORMATION

The following theses were successfully defended at the MD Pharmacology examination of the West Bengal University of Health Sciences, in April-May, 2015 and in Nov 2015, leading to award of MD degree.

Dr. Sourav Das Choudhury	Effectiveness and safety of ilaprazole versus rabeprazole in patients of uninvestigated dyspepsia: a randomized controlled trial.
Dr. Alak Kumar Das	Clinical effectiveness and safety of generic versus branded amlodipine in hypertension: a single blind, prospective, randomized, crossover, non-inferiority trial.
Dr. Ayan Kumar Pati	Oxidative stress in vitiligo: is there a role for antioxidants like Piper <i>betle</i> ?
Dr. Kaushik Mukhopadhyay	Evaluation of levels of oxidative stress as a potential biomarker in patients with rheumatoid arthritis.
Dr. Sandip Baidya	A study of antimicrobial use in children admitted to pediatric medicine ward of a tertiary care hospital.

Dr. Sohel Rana, who was supposed to appear in the MD Pharmacology examination of the West Bengal University of Health Sciences, in April-May, 2015 discontinued the course prematurely. This is the first discontinuation in the last 5 years.

Drs. Prajesh Kiran Bhunya, Shouvik Choudhury, Sandeep Lahiry, Ayan Mukherjee, Moumita Bala and Koustuv Chowdhury (service PGT) joined the department as new MD PGTs.

Dr. Tapas Kumar Sur, PhD continued working in the department, as an honorary post-doctoral fellow, on the project 'Assessment of environmental contaminants in raw herbal materials used in medicinal products in West Bengal'.

Mr. Bodhisatta Chakraborty as Coordinator – Pharmacovigilance Programme, continued to do exemplary work in keeping up a regular flow of adverse drug reaction reports from IPGME&R and SSKM Hospital, Kolkata, to the National Coordinating Centre for National Pharmacovigilance Programme, India at Indian Pharmacopoeia Commission, Ghaziabad. Reports are now being submitted and revised online.

Other research scholars are pursuing projects as stated below:

SN	Name	Fellowship and Guide	Title of research
1	Debanjan Mukhopadhyay	ICMR-NET, Govt. of India Dr. Mitali Chatterjee	Evaluation of immunoclinical determinants in Indian post kala-azar dermal leishmaniasis. [Completed – PhD awarded]]
2	Sunanda Kundu	ICMR SRF, Govt. of India Dr. Mitali Chatterjee	Effectiveness of allylpyrocatechol in inflammation associated disorders. [Completed – PhD awarded]
3	Alak Manna	ICMR SRF, Govt. of India, Dr. Mitali Chatterjee	Anti-cancer potential of plant derived compounds with pro-oxidant activity. [Completed – PhD awarded]
4	Soumita De	DBT SRF, Govt. of India Dr. Mitali Chatterjee	Therapeutic effectiveness of allylpyrocatechol (APC) in experimental models of arthritis.
5	Susmita Ghosh	ICMR SRF, Govt. of India Dr. Mitali Chatterjee	Development of biomarkers in Indian leishmaniasis. [Completed – PhD thesis submitted]
6	Susmita Roy	Dr. Mitali Chatterjee, CSIR-NET	Evaluation of monocyte functions in Indian Visceral Leishmaniasis
	Sritama De Sarkar	DST, Govt. of West Bengal Dr. Mitali Chatterjee	Malabaricones as potential anticancer agents
7	Shibabrata Mukherjee	INSPIRE Fellowship (DST, Govt. of India) Dr. Mitali Chatterjee	Study of immunodeterminants at the lesional site of patients with post-kala-azar dermal leishmaniasis.
8	Sneha Mitra	INSPIRE Fellowship (DST, Govt. of India) Dr. Mitali Chatterjee	New insights into the pathophysiology of vitiligo.
9	Ms. Srija Moulik	Dr. Mitali Chatterjee	Development of diagnostic markers for Indian leishmaniasis .
10	Indrani Chakraborty	CSIR-NET Dr. Mitali Chatterjee	Role of iron in <i>Leishmania</i> biology.
11	Tapas Kumar Sur	DST, Govt. of West Bengal Dr. Avijit Hazra	Assessment of environmental contaminants in raw herbal materials used in medicinal products in West Bengal.

7. OTHER INFORMATION – PROGRAMS / CONFERENCES / WORKSHOPS

Faculty, students and research scholars participated and presented oral papers / posters at various conferences / symposia as follows:

- Mar 2-3: 'Regional Symposium on Medicine Safety and Pharmacovigilance' at School of Tropical Medicine, Kolkata.
- Apr 10-11: Department conducted Research Methodology & Biostatistics Workshop on behalf of Medical Education Unit, IPGME&R.
- Oct 31-Nov 2: Society of Pharmacovigilance India 15th Annual Conference (SoPICON-2015) organized by School of Tropical Medicine, Kolkata, at KPC Medical College & Hospital, Kolkata
- Nov 27: Department organized Pharmacovigilance Workshop at IPGME&R Kolkata with participations of Central Drugs Standard Control Organization (CDSCO), East Zone, and Indian Pharmacopoeia Commission, India.
- Nov 29: 'Sensitization Program on GCP' organized by National Allergy Asthma Bronchitis Institute (NAABI), Kolkata.
- Dec 18-20: 48th Annual Conference of Indian Pharmacological Society (IPSCON-2016) at Saurashtra University, Rajkot, Gujarat.

On Jul 16, 2015, MD students undertook a visit to the factory of M/s East India Pharmaceutical Works at Behala, Kolkata, in order to get a first hand idea of pharmaceutical production and principles of Good Manufacturing Practice

In addition, faculty members and students participated in several CMEs organized by Indian Pharmacological Society (IPS) West Bengal state branch at various Kolkata-based medical colleges from time to time.