




University Faculty Details Page on DU Web-site

Title	Prof.	First Name	Prahlad	Last Name	Ghosh	
Designation		Professor				
Department		Department of Biochemistry				
Address (Campus)		University of Delhi South Campus, New Delhi-110021				
(Residence)		Type VA Apt, Flat N. 03, UDSC, New Delhi-110021.				
Phone No (Campus)		24111968, 24112081				
(Residence)optional		24117560				
Mobile		9810841488				
Fax		24115270				
Email		pcghose@gmail.com				
Web-Page						
Education						
Degree		Institution		Year		Details
Ph.D		Calcutta University		1982		Thesis topic: Ligand-mediated uptake of biological active molecules and drugs by different tissues.
M. Sc		Calcutta University		1977		Subjects: Biochemistry
B. Sc (Honours)		Calcutta University		1975		Subjects: Chemistry (Honours), Physics and Mathematics.
Career Profile						
Organisation / Institution		Designation		Duration		Role
Uniformed Services University of the Health Sciences, Maryland, USA.		Research Associate		1982-1986		Research in cell biology
University of Delhi South Campus		Lecturer		1986-1993		Teaching and Research in Cell Biology and Drug Delivery
University of Delhi South Campus		Reader		1993-2001		Teaching and Research in Cell Biology and Drug Delivery
University of Delhi South Campus		Professor		2001-till date		Teaching and Research in Cell Biology and Drug Delivery
Research Interests / Specialization						
Cell Biology, Drug Delivery, Liposome Technology, nanotechnology, nano-medicine						

Teaching Experience (Subjects/Courses Taught)			
Teaching in the post graduate level for the last 28 years on the subject cell biology and Cellular signaling and metabolism			
Honors & Awards			
Fellow of the National Academy of Sciences, India			
Awarded Professor M.L. Khorana Memorial Prize by the Indian Pharmaceutical Association (IPA) for publishing best paper in the field of Pharmacology and Clinical Pharmacy in Indian Journal of Pharmaceutical Science in the year 2013 on 5 th June 2015			
Publications (LAST FIVE YEARS)			
Books / Monographs			
<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>Co-Author</u>

In Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>Co-Author</u>
2016	Stearylamine Liposomal Delivery of Monensin in Combination with Free Artemisinin Eliminates Blood Stages of Plasmodium falciparum in Culture and P. berghei Infection in Murine Malaria.	Antimicrob Agents Chemother 60(3), 1304-1318	Rajendran, V., Rohra, S., Raza, M., Hasan, G. M., Dutt, S., and Ghosh, P. C. (2016)
2016	Targeting polyamine biosynthetic pathway through RNAi causes the abrogation of MCF 7 breast cancer cell line.	Tumor Biology 37(1) 1159-1171	Enna Dogra Gupta, Manendra Pachauri, Ghosh, P. C. and Manchikatla Venkat Rajam
2016	Alteration in Plasmodium falciparum proteome upon treatment with various anti-malarial drugs.	Journal of Proteins & Proteomics 7(1) 1-17	Jha, D., Raza, M., Adak, T., and Ghosh, P. C.
2015	Potential therapeutic applications of plant toxin-ricin in cancer: challenges and advances.	Tumor Biology 36(11) 8239-8246	Nikhil Tyagi, Monika Tyagi, Manendra Pachauri and Ghosh, P. C.
2015	Piperine Loaded PEG-PLGA Nanoparticles: Preparation, Characterization and Targeted Delivery for Adjuvant Breast Cancer Chemotherapy.	Journal of Drug Delivery Science and Technology, 29, 269–282.	Manendra Pachauri, Enna Dogra Gupta, Ghosh, P. C.
2015	Hydroxyethylamine Based Phthalimides As New Class of Plasmeprin Hits: Design, Synthesis and Antimalarial Evaluation.	PLoS One 26;10 (10):e0139347.	Anil K. Singh, S. R., Yan Tang, Nathan E. Goldfarb, Ben M. Dunn, Vinoth Rajendran, Ghosh, P. C. Neelu Singh, N. Latha, Brajendra K Singh, Manmeet Rawat and Brijesh Rathi

2015	Design, Synthesis and Biological Evaluation of Functionalized Phthalimides: A New Class of Antimalarials and Inhibitors of Falcipain-2, a Major Hemoglobinase of Malaria Parasite	<i>Bioorg Med Chem.</i> 2015 Apr 15;23(8):1817-27.	Singh AK, Rajendran V, Pant A, Ghosh P.C. , Singh N, Latha N, Garg S, Pandey KC, Singh BK, and Rathi B.
2014	Cellular iron homeostasis and therapeutic implications of iron chelators in cancer	<i>Curr Pharm Biotechnol</i> 15(12): 1125-1140	Raza M, Chakraborty S, Choudhury M, Ghosh P.C. , Nag A.
2014	Assessment of anti-plasmodial activity of non-hemolytic, non-immunogenic, non-toxic antimicrobial peptides (AMPs LR14) produced by <i>Lactobacillus plantarum</i> LR/1.	Drugs R & D. DOI 10.1007/s40268-014-0043-y,	Gupta, Ruchi, Rajendran, V., Ghosh, P. C. and Srivastava, S.
2014	Purification and characterization of a novel and robust L-asparaginase having low glutaminase activity from <i>Bacillus licheniformis</i> : in vitro evaluation of anti-cancerous properties.	Plos One 9(6): e99037. Doi:10.1371/journal.pone.00990371	Mahajan, Richi; Kumar, Vinod; Rajendran, Vinoth; Saran, Saurabh; Ghosh, Prahlad ; Saxena, Rajendra
2013	Efficacy of liposomal monensin on the enhancement of the antitumor activity of liposomal ricin in human epidermoid carcinoma (KB) cells	Ind. J. Pharm. Sci. 75:16-22	Tyagi, N., Rathore, S.S. and Ghosh, P.C.
2013	Cell mediated immune response after challenge in Omp25 liposome immunized mice contributes to protection against virulent <i>Brucella abortus</i> 544	Vaccine. 2013 Feb 6;31(8):1231	Goel D, Rajendran V, Ghosh PC, Bhatnagar R.
2012	Preparation and characterization of monensin loaded PLGA nanoparticles in vitro anti-malarial activity against <i>Plasmodium falciparum</i> .	J. Biomedical Nanotechnology, 8:1-10	Surolia, Ranu, Pachauri, Manendra and Ghosh, P.C.

Articles

Conference Presentations

1. Manendra Pachauri and **Prahlad C. Ghosh**. Received Prof. A. R. Rao Researcher Awards at International Symposium on "Role of Herbals in Cancer Prevention and Treatment" at School of Life Sciences, Jawaharlal Nehru University (JNU), New Delhi, India, dated 9th-10th February 2016. The first author was **selected for the Best Oral Presentation Award**.
2. Vinoth Rajendran, Mohsin Raza and **Prahlad C. Ghosh**. Second Oral Presentation Award. Liposome mediated delivery of anti-malarial drugs for the treatment of malaria 6th National Science Day Symposium, 29th February 2016, University of Delhi South Campus, New Delhi.
3. Vinoth Rajendran, Mohsin Raza, Shilpa Rohra and **Prahlad C. Ghosh**. Evaluation of liposomal monensin in combination with artemisinin on growth inhibition of blood stages of *Plasmodium falciparum* (3D7) *in vitro*. Presented at International conference on "Emerging trends of Nanotechnology in drug discovery" (2014), held at University of Delhi south campus. The first author was **selected for the Best Poster Award**.
4. **Prof. P.C. Ghosh** supervised the student team (Vinoth Rajendran, Manendra Pachauri and Mohsin Raza) selected for Biotechnology Entrepreneurship Workshop at "ABLE-BEST INDIA 2014", held at Fortune select

trinity hotel, Bangalore. The team members were awarded travel fellowship.

5. Invited as a Speaker in the International Conference “Nanomedicine 2013”, 30-31 May, **2013**, New Delhi, India. Delivered a lecture on “PLGA nanoparticles mediated delivery of anti-malarial drugs for the treatment of malaria
6. Presented poster: Pooja Tiwari and **Prahlad C. Ghosh. (2013)**. Monensin encapsulated in poly-methyl methacrylate nanoparticles for anti-malarial therapy: at International Conference on Nanomedicine-2013, New Delhi, India, and 30-31 May, **2013**.
7. Presented poster: Vinoth Rajendran and Prahlad **C. Ghosh** (2014). Evaluation of therapeutic efficacy of liposomal monensin for the treatment of malaria (*P. berghei* infection) in a murine model” at International Conference on Chemical Biology: Disease mechanism and therapeutics-2014, Hyderabad, A.P. India, 6-8 February, 2014.
8. Presented poster: Brijesh Rathi, Anil K. Singh, Neelu Singh, N. Latha, Vinoth Rajendran, **Prahlad C. Ghosh** and Brajendra K. Singh (2014). “Phthalimides as potent anti-malarial agents embodying cyclic amine scaffolds” at International Conference on Chemical Biology: Disease mechanism and therapeutics-2014, Hyderabad, A.P., India, 6-8 February, 2014.
9. Invited speaker in international conference on “Nanomedicine” organized by Select Biosciences held in New Delhi, India on 30th – 31st May 2013.
10. Invited to serve as a Chairperson of a session of the International Conference “Carcinogenesis 2012” on Frontiers in Carcinogenesis and Preventive Oncology: Molecular Mechanisms to Therapeutics, 19-21 November, 2012, New Delhi, India
11. 3rd International Conference of Carcinogenesis Foundation – Frontiers in Carcinogenesis and Preventive Oncology Molecular Mechanisms to Therapeutics, New Delhi, India, 19-21 November 2012.
12. Attended as Invited/Keynote speaker in the workshop on “Nanoconstructs” held at The Maharaja Sayajirao University of Baroda, Vadodara, March 26-30, 2012 (Presented as poster).
13. Attended as Invited Speaker in XVI Quality Improvement Programme sponsored by AICTE on “Challenge in Pharmaceutical Sciences” held at Delhi College of Pharmaceutical Sciences and Research, New Delhi, November 21 to December 2, 2011.
14. South Asia Conference on Current Approaches to the Environmental Risk Assessment of Genetically Engineered Crops held at Hotel Taj Ambassador Delhi, New Delhi, May 16-18, 2011.
15. International Conference on International Liposome Research Days & Lipids, Liposomes & Membrane Biophysics, held at Vancouver, University of British, Vancouver, Canada, and August 4-8, 2010
16. National Conference on Emerging Trend in Biopharmaceuticals: Relevance to Human Health, held at Thapar University, Patiala, November 11-13, 2010.
17. International conference on Biotechnology: A global Scenario, held at Department of Biotechnology, Kakatiya University, Warangal, November 2-4, 2010

Total Publication Profile optional	
Books	<u>03</u>
In Indexed/ Peer Reviewed Journals	<u>43</u>
Articles	<u>04</u>
Conference Presentations	<u>05</u>

Public Service / University Service / Consulting Activity

Member, Expert Committee meeting for finalizing Undergraduate Courses syllabi under Choice Based Credit System held on 22nd June 2015

External Expert Member of the Doctoral Committee, Indira Gandhi National Open University, 9th April 2015.

External Expert Member of the Doctoral Committee, Jawahar Lal Nehru University, 2013-15.

Member of the Screening Committee meeting for the position of Professor and Associate Professor in Biochemistry, IGNOU on 17th October 2014

Member of Research Review Committee (RRC) of National Dope Testing Laboratory, Government of India, 9th October 2014.

Member of Selection Committee meeting for Professor, Associate Professor and Assistant Professor, University of Lucknow, Lucknow, U.P., 14th October 2014.

Invited by Global Innovation & Technology Alliance (GITA) under DST funded India-UK Collaborative Industrial R&D Programme as Technical Expert in project mentoring group for funding research project and quarterly review of the project, September 24, 2014.

Invited speaker to deliver talk in the Science Campus in INSPIRE programme sponsored by Ministry of Science and Technology, Department of Science and Technology, Government of India held at Hitech Institute of Engineering and Technology, Ghaziabad 28th August 2014

Invited by Department of Animal Biotechnology, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hissar, Haryana as Guest Faculty to deliver a lecture for their M.Sc. (Biotechnology) students on May 7, 2014.

Member of the Expert Committee for drafting the syllabus and formulating the strategy for evaluation of candidates for admission in Ph.D. course in Indira Gandhi National Open University (IGNOU) held on 28th March 2014.

Invited as Advisor to the Interview Board by the Staff Selection Commission to interview for the post of Research Assistant in the Office of National Centre for Disease Control, DGHS, New Delhi, 12th July 2013.

Member of the meeting of Expert Group under the Chairmanship of Dr. V.M. Katoch, Director General, ICMR to discuss about "Unqualified inclusion of liposomal Amphotericin B monograph in Indian Pharmaceutical and grant of indiscriminate licences wrongly as generic" held at ICMR on 2nd May 2013.

Invited as a Liposomes Expert to participate in the interactive meeting on "Medical Mycology" sponsored by Department of Biotechnology, Government of India held on 20-21 September 2011 at Jawahar Lal Nehru University, New Delhi

Member of the Selection Committee to interview for Assistant Professor (Biotechnology), GGS Indraprastha University, Delhi, 15th December 2010.

Member, Executive Council, University of Delhi, Delhi-110007 (August 22, 2004 to August 15, 2005).

Member, Academic Council, University of Delhi, Delhi-110007 (August 16, 2002 to August 15, 2005) and September 23, 2014 till date.

Dean, Faculty of Interdisciplinary and Applied Sciences, University of Delhi South Campus, New Delhi-110021. (September 2003 – August 15, 2005).

Head, Department of Biochemistry, University of Delhi South Campus, New Delhi-110021 (August 16, 2002-August

15, 2005, 23rd September 2014 till date).

Chairman, M.Phil.(Biotechnology) Committee, Faculty of Inter-disciplinary and Applied Sciences, University of Delhi South Campus, New Delhi-110021 (July 16, 2004 - August 2005), and act as a co-ordinator w.e.f. August 2005 – till date

Chairman, maintenance of animal house, Incinerator and radioactive waste disposal facility Committee w.e.f. March 18, 2008 till date.

Vice Chancellor Nominee of the Executive Council on the Managing Committee of Saramati P.G. Men's Hostel at South Campus w.e.f 15.10. 2008-14.10.2013.

Radiation Safety Officer of South Campus.

Member of the Governing Body of several colleges of D.U.

Member Secretary, Institutional Biosafety Committee (IBSC), University of Delhi South Campus, New Delhi w.e.f. September 2003 till date.

Member Secretary, Institutional Animal Ethics Committee (IAEC), University of Delhi South Campus, New Delhi w.e.f. November 1999 till date.

Professional Societies Memberships

Member, International Liposome Society
Life Member of Indian Association of Cancer Research
Life member of Society of Biological Chemists (India)
Life Member of Indian Society of Cell Biology
Life Member of Indian Science Congress Association
Life Member of Indian Immunology Society
Life Member of Association of Microbiologists of India

Projects (Major Grants / Collaborations)

12

Other Details