

| Faculty | | Superannuated Faculty | | Scientific & Administrative Staff |

Name

Experience

Professional Interests

Prof. Saranjit Singh, M.Pharm., Ph.D.

Professor & Head, Pharmaceutical Analysis

ssingh@niper.ac.in

1999-Present: Professor & Head, Department of Pharmaceuticals Analysis, NIPER

1994-1999: Associate Professor, Department of Pharmaceutics, NIPER

1981-1994: UIPS, Panjab University, Chandigarh, Lecturer/Research Assistant

Drug stability testing, Forced decomposition studies, Development of validated analytical methods, including stability-indicating assays, Pre-formulation studies, Impurity profiling, Development of standards for impurities and degradation products.

Profile

Prof. U. C. Banerjee, M. Tech, Ph.D., MIE.

Professor & Head, Pharmaceutical Technology, In-charge Biotechnology

ucbanerjee@niper.ac.in

2003-Present: Professor & Head, Department of Pharmaceutical Technology, NIPER

2000-2003: Professor, Department of Biotechnology, NIPER

1994-2000: Institute of Microbial Technology (CSIR) , Chandigarh, Assistant Director

1992-1994: University of Waterloo, Ontario, Canada, Assistant Professor

1984-1992: Institute of Microbial Technology (CSIR) , Chandigarh, Scientist

1983-1984: Institute of Genomics and Integrative Biology (CSIR), Delhi, Research Associate

Biochemical Engineering, Fermentation Technology, Scale up of Biochemical Processes, Environmental Biotechnology and Downstream Processing and Biocatalysis

Profile

Prof. A. K. Chakraborti, M.Sc., Ph.D.

Professor & Head, Medicinal Chemistry

akchakraborti@niper.ac.in

2001-Present: Professor & Head, Department of Medicinal Chemistry, NIPER

1999-2001: Associate Professor, Department of Medicinal Chemistry, NIPER

1994-1999: Assistant Professor, Department of Medicinal Chemistry, NIPER

1990-1994: Burdwan University, Burdwan, Senior Lecturer

1987-1989: Purdue University, USA, Post Doctoral Fellow

1985-1987: Clemson University, USA, Post Doctoral Fellow

Asymmetric synthesis; Development of organometallic reagents/catalysts; Synthesis of Taxanes; Design and synthesis of antiprotozoal, antimitotic and antihypertensive.

Profile

Prof. K. P. Ravindranathan Kartha, Ph.D.

Professor

rkartha@niper.ac.in

2003-Present: Professor, Department of Medicinal Chemistry, NIPER

1995-2003: Senior Research Associate, School of Chemistry, University of St Andrews, St Andrews and Centre for Carbohydrate Chemistry, School of Chemical Sciences & Pharmacy, University of East Anglia, Norwich, U.K.

1994-1995: and September 1986-April 1988: Visiting Foreign Scientist, Department of Applied Bioorganic Chemistry, Gifu University, Gifu, Japan

1992-994: Scientist Fellow, Regional Research Laboratory, Jammu, India

1988-1992: Research Associate, Institute for Biological Sciences, National Research Council Canada, Ottawa, Canada

1984-1986: Scientist, Central Food Technological Research Institute, Mysore, India

1984: Ph.D., Gujarat University, Ahmedabad with the research work having carried out at the Department of Chemistry, Ahmedabad Textile Industry's Research Association, Ahmedabad, India

Application of Synthetic carbohydrate chemistry to solving problems in cell biology; Synthesis of antitubercular, antimalarial and antidiabetic agents; Isolation, characterization and exploration of biological activity of natural products; Structural/Functional characterization of (and application of chemotaxonomy to) Ayurvedic formulations and development of pharmacopoeial standards for their quality control and evaluation

Profile

Prof. Prati Pal Singh

Ph.D., F.N.A.Sc., F.A.M.I.

Professor, In-charge, Centre of Infectious Diseases

ppsingh@niper.ac.in

drppsingh2002@yahoo.com

drppsingh2005@gmail.com

2004-Present: Professor, Department of Pharmacology & Toxicology, NIPER

1997-2004: Associate Professor, Department of Pharmacology & Toxicology, NIPER

1991-1996: Scientist-C (Group Leader), Division of Microbiology, Central Drug Research Institute (CDRI), Lucknow.

1988-1991: Scientist-B, Division of Microbiology, CDRI, Lucknow.

1987-1988: Pool Officer, Division of Microbiology, CDRI, Lucknow.

1986: Sr. Research Associate, Department of FCPM, Stanford University Medical Center, Stanford, CA, USA.

1985: Visiting Fellow, Molecular Immunology Dept., Montreal General Hospital, Montreal, Canada.

1984-1985: Research Associate, Department of Microbiology, The Ohio State University, Columbus, OH, USA.

1983-1984: Scientist-in-charge, Department of Protozoology, Hindustan Ciba-Giegy Research Centre, Mumbai.

1979-1982: Senior Scientific Asstt., Research Center, Indian Drugs and Pharmaceuticals Ltd., Hyderabad

1976-1979: JRF, Div. of Microbiology, CDRI, Lucknow.

Teaching and Research: Chemotherapy, immunology, bioimmunotherapy and pathogenesis of microbial and parasitic diseases (mainly tuberculosis, malaria, leishmaniasis and amoebiasis); biotechnology; inflammation; mechanisms in host defense; neuroimmunomodulation.

Profile

Prof. P. V. Bharatam, M.Sc., Ph.D.

Professor

pvbharatam@niper.ac.in

2006 - Present: Professor, Department of Medicinal Chemistry, NIPER

2001-2006: Associate Professor, Department of Medicinal Chemistry, NIPER

2000-2001: Reader, GNDU, Amritsar

1994-2000 Lecturer, GNDU Amritsar

2002-2003: AVH Fellow, Germany

1999-1999: Visiting Scientist, Birmingham, USA

1991-1993: Post Doctoral fellow, Birmingham, USA

Computer aided drug design, Anti-diabetic agent design, NO releasing agents, GSK3, PPARg, AMPK agent design, Studies on Drug Action, Electronic Structure Studies of drugs, Chemoinformatics, Bioinformatics, Pharmacoinformatics, Synthesis of PPARg agents

Profile

Prof. Rahul Jain, M.Sc., Ph.D.

Professor

rahuljain@niper.ac.in

2007-Present: Professor, Department of Medicinal Chemistry, NIPER

2002-2007: Associate Professor, Department of Medicinal Chemistry, NIPER

1997-2002: Assistant Professor, Department of Medicinal Chemistry, NIPER

1996-1997: Tulane University Medical Center, Assistant Professor

1991-1996: Fogarty International Visiting Fellow, National Institutes of Health, USA

Synthesis and mechanistic study on ultra short neuro and antimicrobial peptides; C-H and C-N activation strategies on natural and unnatural amino acids; synthesis of unnatural amino acids; backbone modification of peptides by C-H and C-N activation strategies; environment friendly peptide synthesis methodologies; new structural classes of antiplasmodial and anti-tuberculosis agents.

Profile

Prof. Pramil Tiwari, M. Pharm., Ph.D.

Professor & Head, Pharmacy Practice

ptiwari@niper.ac.in

2007-Present: Professor & Head (05/2008), Department of Pharmacy Practice, NIPER

2002-2007: Associate Professor, Department of Pharmacy Practice, NIPER

1997-2002: Assistant Professor, Amman University, Jordan

1994-1997: Development Scientist, Dabur Research Foundation, India

1992-1994: Senior Research Fellow, Banaras Hindu University, India

1988-1992: Lecturer, Sardar Patel University, India

Patient safety, pharmaceutical care, geriatric pharmacotherapy, Pharmacovigilance, Pharmaco-economics, antimicrobial usage, clinical pharmacy, Pharmacotherapeutics, Rational use of drugs, Clinical Pharmacy, Good Pharmacy Practice

Profile

Prof. Arvind K Bansal, M. Pharm., Ph.D.

Professor & Head, Pharmaceutics

akbansal@niper.ac.in

2008-Present: Professor & Head, Department of Pharmaceutics, NIPER

2003-2008: Associate Professor, Department of Pharmaceutical Technology (Formulations), NIPER

2000-2003: Assistant Professor, Department of Pharmaceutical Technology (Formulations), NIPER

1995-2000: Ranbaxy Research Laboratories, Gurgaon, Haryana. Group Leader/ Senior Research Scientist

1993-1995: JK Pharmaceuticals, Faridabad, Haryana. Research Scientist

Pre-formulation profiling

-Physico-chemical characterization

-Salt form selection

-Permeability studies using Caco-2, everted sac and in situ technique

Pharmaceutical material characterization

-Polymorphism, pseudo-polymorphism

-Molecular understanding of amorphous form

-Compaction physics

-Understanding material behavior using Dielectric relaxation spectroscopy

-Surface characterization of pharmaceuticals

Solubility enhancement technologies

-‘Stabilization’ amorphous form using solid dispersions

-Co-crystals

Nanotechnology in drug delivery

-Small molecule assisted nano-crystallization

-Nano-crystalline solid dispersions

-Self nano-emulsifying drug delivery systems

Particle engineering

-Co-processing to improve physico-technical properties

Formulation development of novel and conventional drug delivery systems

-Development of lyophilization cycle

De-formulation studies to aid development of generic products

Profile

Prof. Kulbhushan Tikoo, Ph.D.

Professor, In-charge, Pharmacology & Toxicology

tikoo@niper.ac.in

March 2008 - Present: Professor, Department of Pharmacology & Toxicology, NIPER

March 2003 - March 2008 Associate Prof., Department of Pharmacology & Toxicology, NIPER

1998 - 2003: Research Associate, Center for Molecular & Cellular Toxicology, College of Pharmacy, University of Texas at Austin, TX, USA

1994 - 1997: Senior Resident Scientist, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, India

1993 - 1994: Post Doctoral Fellow, Center for Cellular and Molecular Biology (CCMB), Hyderabad, India

Epigenetics and Diseases

Toxicant - induced mechanism of Cell-Death

Nanotoxicology

Profile

Technologies Available

Shyam S. Sharma, M.Pharm., Ph.D., F.I.P.S.

Professor

sssharma@niper.ac.in

May 2009 - Present: Professor, Department of Pharmacology & Toxicology, NIPER

May 2004 - May 2009: Associate Professor, Department of Pharmacology & Toxicology, NIPER

1999-2004: Assistant Professor, Department of Pharmacology & Toxicology, NIPER

1998-1999: AIIMS, New Delhi, Senior Research Associate

1997-1998: AIIMS, New Delhi, Research Associate

1997: University of Illinois at Chicago, USA, Post-Doctoral Fellow

1992-1997: AIIMS, New Delhi, Senior Research Fellow

1989-1991: College of Pharmacy, New Delhi

Evaluation of Pharmacological Interventions Targeting Pathophysiological Cascades (Oxidative stress, PARP, ER stress, Inflammation, apoptosis) Involved in Stroke (Cerebral Ischemia), Diabetes, Diabetic Complications (neuropathy, encephalopathy & cardiomyopathy), Cognitive impairment (associated with Parkinson's disease/Stroke) and Neuropathic Pain.

Elucidation of Pharmacological Potential of NCEs in Disease Models for Efficacy Studies

Safety Pharmacological Studies (Core, Follow up and Supplemental SPS) of NCEs

Profile

Anand Sharma, Ph.D.

Associate Professor, In-charge, Pharmaceutical Management

anandsharma@niper.ac.in

2004-Present: Associate Professor, Department of Pharmaceutical Management, NIPER

1999-2004: Kurukshetra University, Sr. Lecturer

1996-1999: M.I.M. Noida, Associate Professor

1990-1996 Deptt. of Management, Kurukshetra University, Lecturer

International Marketing, Strategic Management, Marketing

Profile

Sanjay Jachak, M.Pharm, Ph.D.

Professor and In-charge, Department of Natural Products

sanjayjachak@niper.ac.in

August 2011-continuing: Professor, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab.

August 2006-: Associate Professor, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab.

July 1999 – July 2006: Assistant Professor, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab.

Mar 1998- June 1999: Lecturer, N.D. M.V.P. Samaj's College of Pharmacy, Nashik, Maharashtra

Mar. 1995-Feb. 1998: Austrian Research Fellow, Institute of Pharmacognosy, Karl Franzens University, Graz, Austria.

Mar. 1994-Dec. 1994: R & D Officer, Glenmark Pharmaceuticals Ltd., Nashik, Maharashtra

Screening of plant extracts and their isolates (using bioassay-directed fractionation) for COX-2/COX-1 inhibitory activity which may be helpful as the leads for development of safer anti-inflammatory drugs with minimum side effects; design and synthesis of COX-2 inhibitors based on natural products; design and synthesis of microsomal Prostaglandin E2 Synthase (mPGES)-1 inhibitors as novel anti-inflammatory agents; evaluation of synthesized compounds for anti-inflammatory activity in vitro using other molecular targets such as cytokines, TNF- α , IL-1 (IL-1 α and IL-1 β) and IL-6; evaluation of most bioactive compounds/lead molecules for anti-inflammatory activity in vivo; bioassay guided isolation and characterization of potential antimycobacterial natural products, discovery of bacterial efflux pump inhibitors from medicinal plants; antioxidant, and anti-diabetic natural products; standardization of herbal drugs and formulations.

Profile

Inder Pal Singh, M.Sc., Ph.D.

Professor

ipsingh@niper.ac.in

ipsingh67@yahoo.com

July 2012 - Present: Professor, National Institute of Pharmaceutical Education and Research (NIPER), SAS Nagar, Punjab

July 2007 - June 2012: Associate Professor, Department of Natural Products, NIPER

July 2002 - June 2007: Assistant Professor, Department of Natural Products, NIPER

2000-2002: Institute of Chemical Research, Kyoto University, Kyoto, Japan, Research Associate

1998-2000: Oregon State University, Corvallis, Oregon, USA, Research Associate

1994-1998: Shizuoka University, Shizuoka, Japan

Bioassay-guided isolation and structure elucidation of biologically active compounds from medicinal plants and microorganisms in therapeutic areas of HIV, leishmaniasis and cancer.

Design and biomimetic synthesis of bioactive molecules and their analogs for evaluation as anti-HIV, anti-leishmanial, anti-malarial, anti-cancer and antimicrobial agents.

Standardization of traditional Ayurvedic/herbal formulations.

Profile

Prabha Garg, B.E., M.Tech., Ph.D.

Professor

prabhagarg@niper.ac.in

20013-Present: Professor, Department of Pharmacoinformatics, NIPER

2007-2013: Associate Professor, Computer Centre, NIPER

2002-2007: Assistant Professor, Computer Centre, NIPER

1999-2002: System Engineer, Computer Centre, NIPER

1995-1999: Research Engineer, Thapar Centre for Industrial Research & Development, Patiala

1990-1995: Lecturer, Punjab Engineering College, Chandigarh

1989-1990: Lecturer, Regional Engineering College, Jalandhar

1989: Teaching Assistant, Punjab Engineering College, Chandigarh

Data mining and pattern recognition:

Application of machine learning and statistical methods to identify the pattern in biological data and chemical data

Relational database development

Software Development

Profile

M. Elizabeth Sobhia, M.Sc., M.Phil., Ph.D

Associate Professor

mesophia@niper.ac.in

July 2012 - Present: Associate Professor, Department of Pharmacoinformatics, NIPER

July 2005 - June 2012: Assistant Professor, Department of Pharmacoinformatics, NIPER

1999-2005: Scientist, Department of Medicinal Chemistry, NIPER

1997-1999: Research Associate, Institute of Microbial Technology (IMTECH), Chandigarh

1995 -1997: Research Associate, Department of Biophysics, University of Delhi South Campus, New Delhi

Application of Computer Aided Drug Design methods in lead identification & optimization, in silico studies on ADME/T prediction, design of PTP1B inhibitors, CCR2 agents, PKC-beta2 inhibitors, ALR2 inhibitors, Neuramidase inhibitors, Enoyl reductase inhibitors.

Profile

G. B. Jena, M.Sc., M.Phil, Ph.D.

Associate Professor

gbjena@niper.ac.in

ISCA-Young Scientist Award-1999

2010 - Present: Associate Professor, Department of Pharmacology and Toxicology, NIPER

2005 - 2010: Assistant Professor, Department of Pharmacology and Toxicology, NIPER

2003-2005: Scientist-I, Department of Pharmacology and Toxicology, NIPER

1996-2003: Scientist-II, Department of Pharmacology and Toxicology, NIPER

1994-1996: Research Associate (CSIR), Utkal University, Bhubaneswar

Major Research Activities:

Regulatory Toxicology

To understand the toxicity of chemicals (NCEs, Pharmaceuticals and pollutants) and the principles of regulatory compliance. To evaluate different toxicity end-points (acute, repeated, genotoxicity, carcinogenicity, reproductive etc.) using regulatory test guidelines and GLP Principles. To explore avenues for new test model development, test integration as well as to resolve issues & awareness in different gray areas of toxicology.

DNA damage, autophagy and carcinogenesis

Quantification of DNA damage using different bio assays (CA, MN, COMET etc.) and molecular targets (nrf2, P53, NF-kB, H2AX etc.)

Correlation between different levels (tissue, cell, DNA, somatic vs germinal, transplacental vs neonatal) of organization and end- points of evaluation for determination of assay sensitivity and specificity.

Exploration to new areas (germinal, intestinal and neuronal) for DNA damage detection and influence on autophagy for different target organs of clinical significance.

Chemical intervention in Pathological Models

Exacerbation and amelioration of chemical toxicity (DNA damage, cell proliferation, fibrosis and germinal cell damage) under Diabetic (Type I and II) condition. To understand the influence of trace elements, vitamins & inflammation in DNA damage, and cellular senescence.

Profile

Sunil Gupta, M.B.A., Ph.D.

Assistant Professor

sunilgupta@niper.ac.in

2005-Present: Assistant Professor, Department of Pharmaceutical Management, NIPER

2003-2005: MIT, Ujjain, Astd. Prof. (Marketing) & In-charge HoD

Management & Marketing issues related to Pharmaceutical Industry and HR related issues

Profile

Ipsita Roy, Ph.D.

Assistant Professor

ipsita@niper.ac.in

2005-Present: Assistant Professor, Department of Biotechnology, NIPER

2004-2005: Alexander von Humboldt research fellow at Kekule Institute for Organic Chemistry & Biochemistry, University of Bonn, Germany

2001-2004: Project Scientist, IIT, Delhi

Downstream processing of proteins; aggregation and stabilization of misfolded proteins; nonaqueous enzymology; aptamer technology

Profile

Anil Kumar Angrish, Ph.D.

Associate Professor

anil@niper.ac.in

August 2011 - Present: Associate Professor, Department of Pharmaceutical Management, NIPER S.A.S. Nagar

2006 - 2011: Assistant Professor, Department of Pharmaceutical Management, NIPER S.A.S. Nagar

2004 - 2006: Senior Teaching and Research Associate, Department of Pharmaceutical Management, NIPER S.A.S. Nagar

2001-2004: Faculty, GJIMT, Mohali, Punjab

Corporate Finance, Project Appraisal & Finance, Strategic Cost & Financial Management, Management Accounting, and Entrepreneurship Development

Profile

Abhay H Pande, M.Sc., Ph.D.

Associate Professor

apande@niper.ac.in

2011- till date: Associate Professor, Department of Biotechnology, NIPER, SAS Nagar.

2006-2011: Assistant Professor, Department of Biotechnology, NIPER, SAS Nagar.

2005-2006: Lecturer, Biological Science Group, Birla Institute of Technology and Sciences - Pilani (BITS-Pilani).

2003-2005: Postdoctoral Research Associate, Biomolecular Science Center, University of Central Florida, USA.

2000-2003: Postdoctoral Research Associate, Institute of Microbial Technology (IMTECH), Chandigarh.

2000: Visiting Fellow, Northwestern University Medical School, USA.

Design and Development of Recombinant Protein Pharmaceuticals

- a) Development of lab-scale technologies for the production of Biosimilars.
- b) Project 2: Engineering Biobetters.
- c) Project 3: Development of novel protein pharmaceuticals.

Technology Available

Profile

Sankar K. Guchhait, M.Sc., Ph.D.

Associate Professor

skguchhait@niper.ac.in

January, 2012 - Present: Associate Professor, Department of Medicinal Chemistry, NIPER

January, 2007 - January, 2012: Assistant Professor, Department of Medicinal Chemistry, NIPER

2005-2006: Postdoctoral research fellow, University of California, Riverside, USA

2004-2005: Postdoctoral research fellow, University of Illinois at Chicago, USA

2002-2004: Postdoctoral research fellow, University of Tennessee, Knoxville, USA

1996-2001: Ph.D., Indian Association for the Cultivation of Science, Kolkata

Anticancer drug discovery: Design and synthesis of heterocyclic compounds as human DNA topoisomerase I and II inhibitors, and their SAR studies

Antileishmanial drug discovery: Design and synthesis of heterocyclic compounds as target-specific antileishmanial agents

Synthesis of heterocyclic and natural product-based compounds, Direct arene C-H bond functionalization, Multicomponent reaction (MCR)

Profile

Chaaya Iyengar Raje, Ph.D.

Assistant Professor

chaaya@niper.ac.in

2008-Present: Assistant Professor, Dept of Biotechnology, NIPER

2006-2008: Project Investigator, DST WOS (A), Institute of Microbial Technology, Chandigarh

2004-2005: Research Associate, Institute of Microbial Technology, Chandigarh

2003-2004: Postdoctoral Fellow, National Cancer Institute, NIH, Bethesda, USA

2001-2002: Research Fellow, ICGEB, New Delhi

Host-Pathogen interaction during Infection

The emergence of drug resistant strains of tuberculosis has contributed to the fact that Mycobacterium tuberculosis remains one of the most successful pathogens. Research has been initiated in the area of host-pathogen interaction using cell biology and recombinant DNA based approaches. The main focus is on identifying multifunctional housekeeping enzymes of the host and pathogen that could be essential in the process of infection and survival of intracellular M.tuberculosis. In addition, a screening assay for anti-mycobacterials is also being developed. Other areas of interest are Iron metabolism and Immune signalling

Profile

Sanyog Jain, M.Pharm., Ph.D.

Associate Professor

sanyogjain@niper.ac.in

sanyogjain@rediffmail.com

July 2013- till date: Associate Professor, Dept. of Pharmaceutics, NIPER, SAS Nagar

July 2008- June 2013: Assistant Professor, Dept. of Pharmaceutics, NIPER, SAS Nagar

2005-2008: Scientist, Institute of Nuclear Medicine and Allied Sciences (INMAS), DRDO, Ministry of Defence, Govt. of India, New Delhi

2004-2005: Lecturer (Pharmaceutics), Dept. of Pharm. Sciences and Drug Research, Punjabi University, Patiala (Punjab)

Broad Area: Nanotechnology and Drug Delivery Systems

Targeted drug delivery using nanocolloidal drug carriers e.g. vesicular carriers (liposomes, niosomes etc.) and particulate carriers (polymeric and lipid nanoparticles).

Improving oral bioavailability of poorly water soluble/ poorly permeable drugs using different types of nano formulations.

Topical drug delivery using nanoparticles for the topical treatment of psoriasis and other fungal skin infections.

Functionalization of carbon nanotubes to improve their dispersibility in aqueous biological fluid, reduce their toxicity and explore their potential in targeted cancer therapy.

Development of antigen loaded nano-carrier systems for oral mucosal immunization.

Oral delivery vehicle of insulin for the treatment of diabetes.

Non-viral vectors for gene delivery.

Radiolabelling and pharmacoscintigraphic evaluation of drug delivery systems.

Profile

Sushma Singh, Ph.D.

Assistant Professor

sushmasingh@niper.ac.in

2009-Present: Assistant Professor, Dept of Biotechnology, NIPER

2007-2008: Research Scientist, National Centre for Cell Science (NCCS), Pune.

2002-2007: Ph.D, Jawaharlal Nehru University (JNU), New Delhi

Leishmania donovani, sirtuins and Leishmania metabolism, Leishmanial MAP kinases, signal transduction in macrophages, drug targets, drug resistance.

Profile

Abhay T. Sangamwar, Ph. D.

Assistant Professor

abhays@niper.ac.in

2009- Present: Assistant Professor, Department of Pharmacoinformatics, NIPER

2000-2009: Senior lecturer, Nanded Pharmacy College.

1995-2000: Wellcare laboratories Pvt Ltd, Paras Pharma, Nanded, Production Executive

Broad area: Nano and novel drug delivery systems

Proliposomal drug delivery systems

Supersaturated drug delivery systems

Insoluble drug delivery strategies

Polymers in drug delivery systems

Profile

Dipika Bansal

Assistant Professor

dipikabansal@niper.ac.in

Sep.2010 - Present: Assistant Professor, Department of Pharmacy Practice / Clinical Research, NIPER

Jan.2010 - Sep.2010: Senior Research Associate, PGIMER, Chandigarh

2007-2009: DM Senior Resident, PGIMER, Chandigarh

2004-2006: MD Junior Resident, PGIMER, Chandigarh

1997-2002: MBBS with Internship, GMCH, Sector-32, Chandigarh

Phase I-Phase IV clinical trials, BABE studies, Pharmacovigilance, Neuropathic Pain studies,

Antimicrobial usage

Profile

Manjinder Singh Gill, Ph.D.

Assistant Professor

msingh@niper.ac.in

2010-Present: Assistant Professor, Department of Pharmaceutical Technology (Process Chemistry), NIPER

2009-2010: Lecturer, GHG Khalsa College of Pharmacy, Gurusar Sudhar, Ludhiana

2003-2007: Director, Chemistry, Innodia Inc., Laval, QC

2002-2003: Research Scientist, SignalGene Inc, Guelph, ON

2000-2002: Post Doctoral Fellow, NRC-Institute for Biological Sciences, Ottawa, ON

Synthetic organic, Process chemistry, Synthesis of compounds with anti-diabetic activity, Process chemistry involving therapeutically important agents, Scale up of new synthetic processes, GMP regulations and Plant Management

Profile

Joydev K. Laha, Ph.D.

Assistant Professor

jlaha@niper.ac.in

2011-Present: Assistant Professor, Department of Pharmaceutical Technology (Process Chemistry), NIPER

2007-2011: Staff Chemist, Laboratory for Drug Discovery in Neurodegeneration, Harvard NeuroDiscovery Center, Brigham & Women's Hospital and Harvard Medical School, Cambridge, MA

2006-2007: Senior Research Fellow, Mayo Clinic, Rochester, MN

2001-2006: Postdoctoral Research Fellow & Postdoctoral Research Associate, North Carolina State University, Raleigh, NC

Development of new synthetic methodology: Metal-catalyzed decarboxylative intramolecular C-C bond formation, Domino reactions involving C-C and C-N bond formation, Asymmetric organo-catalysis, Green chemistry, Click chemistry, Implementation of laboratory methods to large-scale synthesis

Target-driven convergent synthesis: Design and synthesis of novel fluorescent probes and photosensitizers for applications in photodynamic therapy (PDT) and photodynamic anti-bacterial chemotherapy (PACT), ligands for use as nicotinic acetylcholine receptors, small molecule inhibitors of HIV

Natural product synthesis: Agesamides A & B, Mescengricin and other biologically active compounds.

Profile