
Dr. LALIT PRAKASH GUPTA

Assistant Professor

Department of Chemistry

B.S.N.V. P.G. College

Lucknow, Uttar Pradesh

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Personal details

Gender	Male
Marital status	Married
Nationality	Indian
Date of birth	January 3, 1986
Place of birth	Varanasi (UP, India)

Academic Qualifications

Degree	Year	University/Institute	Subject	Division
Ph. D.	2009-2015	Central Drug Research Institute, Lucknow	Design and Synthesis of Novel Indole and Quinoline Based Derivatives as Anticancer & Antidyslipidemic Agent	
M. Sc.	2006-2008	University of Lucknow, Lucknow	Chemistry (Organic)	First (76.6%) Topper of M.Sc batch 2008
B. Sc.	2003-2006	V.B.S.P. University, Jaunpur	Chemistry, Botany, Zoology	First (68.9%)
Intermediate	2002	U.P. Board	Chemistry, Physics, Biology, English, Hindi	First (77.6%)
High School	2000	U.P. Board	Science, Math, Sanskrit, English, Hindi, Social Science	First (74%)

Ph.D. Supervisor: Dr. Atul Kumar, Principal Scientist, Medicinal and Process Chemistry Division, CSIR-CDRI, Lucknow-226001, India.

Professional career

- Assistant Professor (Dept. of Chemistry) at B.S.N.V. P.G. College Lucknow April-2019- till date
- Assistant Professor (Dept. of Chemistry) at R.D.S. College Muzaffarpur April-2018- April 2019
- Quality Control Officer at Hindustan Petroleum Corporation Ltd May 2014-April 2018
- Senior Research Fellow at Central Drug Research Institute Lucknow Jan 2011-Jan 2014
- Junior Research Fellow at Central Drug Research Institute Lucknow Jan 2009-Jan 2011
- Trainee Research Associate at Jubilant Chemsys Limited Noida Jul-2008- Jan-2009

Scholarship

- NET-JRF (CSIR-UGC) Qualified June. 2008.
- GATE Qualified in 2009.

Experience in Organic Synthesis

1. Synthesis and characterization of Novel heterocyclic compounds.
2. Structure based design of biologically active novel compounds.
3. Well-versed with planning and handling of small/large scale organic reactions including structural elucidation by spectroscopic techniques

Techniques used for the purifications and characterization of organic compounds

1. Column Chromatography, Flash Chromatography, Gas Chromatography, TLC, HPLC and Crystallization.
2. ¹D and ²D NMR, IR, UV-visible, Mass spectroscopy (HRMS), micro-analysis, X-ray analysis and Polarimetry.

Experiences

❖ Research Experiences

Almost 6 year research experience in Medicinal Chemistry Division at CSIR-Central Drug Research Institute, Lucknow, under the supervision of Dr. Atul Kumar <http://www.cdriindia.org>.

❖ Experiences in Petroleum Industry

4 Years Lab experiences as a Quality Control Officer in QC Lab of Hindustan Petroleum Corporation Limited.

❖ Teaching Experiences

Almost 4 year teaching experience as an Assistant Professor in (Dept. of Chemistry) at R.D.S. College Muzaffarpur, Bihar a Constituent Unit of B.R.A. Bihar University and in Dept. of Chemistry) at B.S.N.V. P.G. College Lucknow, an associated College of Lucknow University.

Achievement

1. Received “Best Teacher award-2019” on the occasion of Republic day 2019 at R.D.S. College Muzaffarpur, Bihar a Constituent Unit of B.R.A. Bihar University.
2. Nominated for Best Teacher Award among all Constituent Unit of B.R.A. Bihar University.
3. Certificate of Appreciation awarded by Isabella Thoburn College Lucknow in International Conference on Immunity & Immunochemistry: Combating COVID 19, in recognition of Best Poem: Corona Pe Aghat.
4. CII Certified Laboratory Professional certificate awarded by Confederation of Indian Industry Institute of Quality during the **5th National Conclave For Laboratories** held on 28 Oct 2016 at New Delhi.
5. Member of Sports Council of RDS College Muzaffarpur.
6. Actively participated and conducted the various exam as Assistant Controller Superintendent of R.D.S. College.
7. Contributed as a Jury Member in Poster Competition on Chemical Phenomenon in Ozone Layer (CPOL-2018) held on 16 Sep-2018 at Nitishwar Mahavidyalaya Muzaffarpur.
8. Under the supervision, 3 students among 100 students, won the 1st 2nd & 3rd prize in Poster Competition on Chemical Phenomenon in Ozone Layer (CPOL-2018) held on 16 Sep-2018 at Nitishwar Mahavidyalaya Muzaffarpur .
9. Under the supervision, our 23 students participated in CONTECH-2018 at M.K. College Darbhanga conducted by Association of Chemistry Teachers (ACT) & Homi Bhabha Centre for Science Education (HBCSE) Mumbai Department of Atomic Energy Gov of India.
10. Actively organised CONTECH-2019 at B.S.N.V. P.G. College Lucknow conducted by Association of Chemistry Teachers (ACT) & Homi Bhabha Centre for Science Education (HBCSE) Mumbai Department of Atomic Energy Gov of India.

Other Skills

Familiar with Common Hardware, General Softwares (MS Office, Excel, ChemOffice, Windows Operating System), Discovery Gate, Patent and Internet searching; Good communication, writing and interpersonal skills; Skillful in Paper writing.

Objective

I am a professional and progressive synthetic/medicinal chemist through continuous learning and implementing new ideas through my dedication, hard work, knowledge in chemistry and accepting new challenges for the synthesis of molecules with diverse pharmacological potential.

Publications and Presentations

1. Fridel-Crafts alkylation of indoles in deep eutectic solvent. Atul Kumar* Ratnakar Dutt Shukla, Dhiraj Yadav and **Lalit Prakash Gupta** *RSC Adv.*, **2015**, *5*, 52062-52065.
2. Cu(I)-catalyzed tandem decarboxylative/C–H activation coupling of cyclic diketones, proline and alkynes: synthesis of α -alkynylated pyrrolidine-oxyindoles Atul Kumar* Mukesh Kumar, **Lalit Prakash Gupta** and Maneesh Kumar Gupta *RSC Adv.*, **2014**, *4*, 9412-9415.
3. Metal-Free C(sp³)–H Bond Activation: First Synthesis of Diarylpyridinium-azaarene-butenolate Zwitterionic salts on Chalcones Atul Kumar* **Lalit Prakash Gupta** and Mukesh Kumar, *RSC Adv.*, **2013**, *3*, 18771-18774.
4. A catalyst-free C–H hydroarylation of coumarin derived ortho-quinone methide (o-QM) with electron rich arenes in glycerol Atul Kumar* Mukesh Kumar, Maneesh Kumar Gupta and **Lalit Prakash Gupta**, *RSC Adv.*, **2012**, *2*, 8277-8280.
5. Synthesis of propiophenone derivatives as new class of antidiabetic agents reducing body weight in db/db mice Atul Kumar*, Siddharth Sharma, **Lalit Prakash Gupta**, Pervez Ahmad, , Swayam Prakash Srivastava, Neha Rahuja, A. K. Tamrakar, Arvind K. Srivastava *Bioorganic & Medicinal Chemistry* **2012**, *20*, 2172-2179.
6. Design and synthesis of 1,3-biarylsulfanyl derivatives as new anti-breastcancer agents Atul Kumar*, Vishwa Deepak Tripathi, Promod Kumar, **Lalit Prakash Gupta**, *Bioorganic & Medicinal Chemistry* **2011**, *19*, 5409-5419.

Symposium and Conferences:

1. **Lalit Prakash Gupta**, Arvind K. Srivastava , Atul Kumar.* Hydroxyl Ammonium Ionic Liquid Mediated Synthesis of 1'H-spiro [indoline-3,4'-pyridine]-di and tricarboxylates as antidiabetic agent 4th CDRI-NIPER RBL symposium on medicinal chemistry and pharmaceutical sciences, at Central Drug Research Institute Lucknow on 23rd-25th Feb **2012 (Poster presentation)**.
2. **Lalit Prakash Gupta**, Pervez Ahmad, Ram Awatar Maurya, A.B. Singh, Arvind K. Srivastava Atul Kumar.* Novel 2-aryl-naphtho[1,2-d]oxazole derivatives as potential PTP-1B inhibitors showing antihyperglycemic activities.; 3rd C.D.R.I.-NIPER (Rbl) symposium; 2011 (Poster presentation). 3rd CDRI-NIPER RBL symposium on medicinal chemistry and pharmaceutical sciences, at Central Drug Research Institute Lucknow on 3rd-5th March **2011 (Poster presentation)**.
3. **Lalit Prakash Gupta**, Ram Awatar Maurya, and Atul Kumar. Design and synthesis of novel ferrocenyl derivative as antiproliferative agents. 3rd International Symposium on Current Trends in Drug Discovery Research **2010 (CTDDR 2010)**, at Central Drug Research Institute Lucknow on 17th-21th Feb **2010 (Poster presentation)**. Abstract published in special issue of **Medicinal Chemistry Research**, **2010**, Vol. 19 (No. 1/6), page S125-S126.

National Seminar:

1. A paper “Uses of Deep Eutectic Solvent (DES) as a Green Solvent in Organic Chemistry” presented in National Seminar on Consumerism, Social Equity and Environmental Sustainability (NSCSEES-2019), Sponsored by Higher Department, Government of U.P. Organized by Academic Development Committee, B.S.N.V. P.G. College Lucknow held on 1-2 February 2020.
2. Participated in 2-Day National Seminar on “Need For forward Looking Development Strategies For India” Organized by Department of Economics, B.S.N.V. P.G. College Lucknow held on 5-6 November 2019.

Conference Attended

1. National symposium on natural product and organic synthesis, at Department of Chemistry, Lucknow University, on 22th March **2012. (Certificate of participation).**
2. Mid Year Meeting 2012 Chemical Research Society of India at CSIR- Central Drug Research Institute Lucknow on 21st-22nd July **2012. (Certificate of participation).**

National Webinar Attended

1. National Webinar on Green Chemistry Organized by Department of Chemistry, Janta College Bakewar, Etawah, U.P. on 23 dec 2020.
2. National Webinar on “Atma Nirbhar Bharat: Challenges and Opportunities” Organized by Department of History (MIH), B.S.N.V. P.G. College Lucknow held on 13th October 2020.
3. National Webinar on “Organismic Interrelationship: Recent Frontiers in Biological Sciences” Organized by P.G. Department of Zoology, B.S.N.V. P.G. College Lucknow held on 29th August 2020.
4. One Day Webinar on “Impact of Lockdown due to COVID-19 on Environment” Organized by M.K. College Laheriasarai Darbhanaga a constituent unit of Lalit Narayan Mithila University held on 5th June 2020.
5. National Webinar on “Scintillating Chemistry (SC-2020)” Organized by Association Of Chemistry Teachers C/o Homi Bhabha Centre for Science Education (HBCSE), TIFR (An Initiative of ACT-East Zone) held on 28th June 2020.
6. National Webinar on “Pedagogy of teaching and learning amidst COVID-19 pandemic” Organized by Department of English, B.S.N.V. P.G. College Lucknow held on 17th May 2020.

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7. Attended the session/sessions of the Webinar on “Chemistry: An Ocean for Career and Commercialization” Organized by Department of Chemistry, Government Science College, Gandhinagar, Gujrat held on 14th to 16th May 2020.
 8. One Day National Webinar on “Impact of COVID-19 pandemic on higher education in Indian perspective” Organized by M.L.T. College Saharsa a Constituent unit of B.N. Mandal University, Madhepura held on 24th May 2020.
 9. National Webinar on “The Role of Chemistry in Sanitization and Personal Hygiene in Context of COVID-19” Organized by Department of Chemistry, B.S.N.V. P.G. College Lucknow held on 19th May 2020.

International Webinar Attended

1. International Webinar on “Sources and Problems in Reconstruction of Ancient History” Organized by Department of Ancient Indian History & Archaeology, B.S.N.V. P.G. College Lucknow held on 8th October 2020.
2. International Webinar on “COVID-19: Challenges and Opportunities” Organized by Mahamaya Govt. Degree College, Mahona, Lucknow held on 3rd June 2020.
3. International Webinar on “Economic Development Strategies post COVID-19 pandemic” Organized by Academic Development Committee, B.S.N.V. P.G. College Lucknow held on 30-31 May 2020.
4. International Webinar on “Post COVID-19 World and the Pivotal Role of Science and Technology” Organized by Government Raza P.G. College, Rampur held on 17th May 2020.

I hereby declare that all the information given above is true to the best of my knowledge.

Lalit Prakash Gupta