

CURRICULUM VITAE

Dr Lokesh Kumar Agarwal

MSc, NET-JRF, PhD
Assistant Professor
Department of Chemistry
MLSU, Udaipur (Rajasthan)



Personal Details

Father's Name	Sh. Sharwan Kumar Agarwal
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Academic Qualifications

Ph.D. (Chemistry)	2016, University of Rajasthan, Jaipur.
NET-JRF	CSIR – 2010 (All India Rank – 13)
State Eligibility Test	2012 (Rajasthan State)
GATE	2010 (All India Rank – 94)
M.Sc.	2011 Ist Division (70.3%) , University of Rajasthan, Jaipur with Dual Specialization - Organic Chemistry & Physical Chemistry
B.Sc.	2009 Ist Division (75.5 %) , University Maharaja College, Jaipur
Senior Secondary	2005 (78%), Govt. Sr. Sec. School, Dhanota (Jaipur)
Secondary	2003 (83%) Govt. Sr. Sec. School, Dhanota (Jaipur)

Teaching Experience **3 Years**

Assistant Professor – Biyani Girls College, Jaipur (2011-2012)
Assistant Professor - SSG Pareek PG College, Jaipur (August 2016 – April 2018)
Other Assignments **NSS- Program Officer**, SSGP(PG)College, Jaipur
Event Head, Inter College Festival (ULLAS-2017 & ULLAS-2018
(SSG Pareek PG College, Jaipur)

Research Experience **6 Years**

Major Area of Research Synthesis and reactivity of pharmaceutically important Heterocycles, Computational Modelling assisted Organic Synthesis, Drug-Receptor Interactions, CADD, Cheminformatics & Bioinformatics, Computational Chemistry, QM/MM

Papers presented in Conferences **8**

Other Conference/Seminar attended **8**

Workshops/Faculty Dev. Programs **6**

Attended 5th Science Conclave/INSPIRE Internship Program - **A Congregation of Nobel Laureates and Eminent Scientists**, organized by MHRD-DST at IIT, Allahabad, Dec. 2012

Life member, The Indian Science Congress Association, India (L28247).

Member, Executive Committee, International Conference FCASI-2017, University of Rajasthan, Jaipur.

List of Publications

1. Molecular recognition pattern of cytotoxic alkaloid vinblastine with multiple targets, **Lokesh K Agarwal**, Neelima Gupta, S Pal, *Journal of Molecular Graphics and Modelling* (Elsevier) 54(2014) 1-9 (ISSN No. 1093-3263) **(Impact Factor 2.04)**
2. Structural features of non-covalent DNA binding anticancer agents, **Lokesh K Agarwal**, *Chem. News Lett.* 1 (2012) 67-71 (ISSN No. 2278-6201).
3. Regioselective 1,3-dipolar cycloadditions of isoquinolinium ylides: A Density Functional Theory Analysis, **Lokesh K Agarwal**, Neelima Gupta (under communication)

Papers Presented in National/International Conferences

1. Binding Pattern and Comparative affinity of Berberine, Ellipticine and Lamellarin with Biomolecules, *International Conference on Frontiers at the Chemistry - Allied Sciences Interface-2017*, at University of Rajasthan, Jaipur, July 22-23, 2017.
2. Investigation of Biomolecular Activity of Azaheterocycles: QM-MM Approach, *International Conference on Frontiers at the Chemistry - Allied Sciences Interface-2016*, at University of Rajasthan, Jaipur, April 25-26, 2016.

3. Synthesis of Indolizine Derivatives and In Silico Interaction Studies with Biological Receptors, *National Conference on Frontiers at the Chemistry - Allied Sciences Interface-2015*, at University of Rajasthan, Jaipur, March 13-14, 2015 (**Best Paper Presentation Award**)
4. A Tandem Synthesis of Indolizine Derivatives and Docking Studies with Biological Receptors, presented at *17th CRSI-National Symposium in Chemistry at CSIR-National Chemical Laboratory*, Pune, February 6-8, 2015.
5. Synthesis and DNA Interaction Profile of Condensed Azaheterocycles, presented at *National Conference on Emerging Areas in Chemical Education & Research* at The IIS University, Jaipur 16-18 October 2014.
6. Organoaluminium assisted Diels-Alder reaction of 1-methyl-3-alkoxycarbonyl [1,3]-azaphospholo[1,5- α]pyridines in the *International Conference on Advanced Material Science and Engineering* at Biyani Group of Colleges, Jaipur, 13 October, 2014.
7. Multi-Target Affinity of Drug Like Molecules-Experimental and Computational Investigations, presented at *International Conference on New Emerging Trends in Chemistry* organized by The IIS University, Jaipur, March 3-4, 2013.
8. *National Seminar on Chemistry for Economic Growth and Human Comforts* at University of Rajasthan, Jaipur, 31st August, 2013.

Other National / International Conference/Seminar/Symposium Attended

1. "*International Conference on Drug Design*", organized by SCHRODINGER. at JNU, New Delhi (7-9 April, 2017).
2. *Rashtriya Hindi Vigyan Sangosthi*, University of Rajasthan, Jaipur (19 March, 2016).
3. *National Seminar on Environmental Conservation and Resource Management: Issues and Strategies for Sustainable Future*. organized by Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur (5 June, 2015).
4. "*5th Science Conclave/INSPIRE Internship Program*" A Congregation of Nobel Laureates and Eminent Scientists, organized by MHRD-DST at IIIT, Allahabad (08-14 December, 2012).
5. *National Conference on "New Trends in Bioinformatics"*, at IIT Delhi, New Delhi (30-31 July 2012).
6. *6th Biyani International Conference (BICON-2011) on Innovations in the Latest Healthcare Issues*, at Biyani Group of Colleges, Jaipur (September 19-21, 2011).
7. *UGC sponsored Symposium on Celebrating International Year of Chemistry* at International College for Girls, Jaipur (September 17, 2011).
8. *5th Indo-Japan International Symposium on Innovative Molecular Approaches in Global Health Research*, at Biyani Group of Colleges, Jaipur (September 20-21, 2010).

Workshops/ Faculty Development Programs Attended

1. *Faculty Induction Program*, organized by Mohanlal Sukhadia University, Udaipur, August 8-10, 2018.
2. *Faculty Knowledge Sharing Program on Perspective of Effective Teaching* at ICFAI Business School (IBS) Jaipur on July 15, 2017.
3. *International Workshop on Drug Design* organized by Schrodinger at JNU, New Delhi, 9 April, 2017.
4. *DIC Workshop on Capabilities of Molecular Modeling Tools for Applications in Drug Discovery and Materials Science*, organized by Design Innovation Centre, Centre for Converging Technologies, University of Rajasthan, Jaipur (INDIA), on January 10, 2017.
5. *Workshop on Introduction to Gaussian: Theory and Practice* hosted by SCUBE Scientific Software Solutions and University of Delhi at Delhi, December 17-21, 2012.
6. *National Workshop on Green Chemistry, Opportunities and Challenges in New Global Era*, at University of Rajasthan, Jaipur, 7-9 December, 2009