

CURRICULUM VITAE

Dr. Abhay Krishna

M.Sc., Ph.D (Applied Chemistry)

Assistant Professor of Chemistry

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Personal details

Date of Birth	Sept 20, 1981
Marital Status	Married (Wife: Dr. Kanchan Yadav)
Father's	Prof. Rajendra Prasad
Recreational Hobbies	Reading

Qualifications

Ph.D	C.S.J.M Univ. Kanpur	2013
M.Sc.	V.B.S Puranchal Univ. Jaunpur	2007
B.Sc.	V.B.S Puranchal Univ. Jaunpur	2002

Administrative Experiences

Assistant Center Superintendent (Examination-2023-24) K.M.C. Language University	31 st Oct.2023
Scholarship In-Charge (OBC)	10 th June 2023 till date
Member NAAC Criteria -5	6 th June 2023 till date
Convener- Students Council Policy Document	21 st April.2023 till date
Co-convenor B.Tech Admission, K.M.C. Language University	2021-2022
Assistant Center Superintendent (Examination-2020-21) K.M.C. Language University	March 2021
Paper setter of B.Tech and B.Sc Home science, K.M.C. Language University	Feb.2021
NSS Program officer KMC Language University Lucknow	01 Feb.2021 till date
Deputy Controller of examination, K.M.C. Language University Lucknow	25 th Sept. to 19 th Nov.2020
Member of Proctorial Board, K.M.C. Language University Lucknow	16 th Sept.2020 till
date Warden Boys Hostel, K.M.C. Language University Lucknow,	16 th Sept.2020 to 17 th Sept. 2021

Membership of Professional Academic Organizations

Indian Science Congress Association (Life Membership No. L23317)

Academic awards

- Bharat Jyoti Award by International Friendship Society, New Delhi, 12th Jun, 2014
- Certificate of appreciation by K.M.C. Language University, Lucknow, 24th Sept, 2022

RESEARCH EXPERIENCE

Title of Thesis: De novo design of dual acting compounds: TxS inhibitors and TxA₂ antagonists

Hands-on experience with Gaussian '03 and Gauss View '03 and Schrodinger-2010, Swiss PDB viewer, Chem Draw software

Workshops Attended

1. Workshop on Structural Bioinformatics and Molecular Modeling held at Madurai Kamaraj University, Madurai; March. 25-26, 2009.
2. National Workshop on Spectroscopic Techniques and their Applications held at MM University, Mullana, Ambala; Nov 12, 2011.
3. National Workshop on Basic ICT Skills, e-Learning and MOOCs for Educations held at Chhatrapati Shahu Ji Maharaj University Kanpur; Feb. 25-26, 2017.
4. National Workshop on NAAC- Revised Accreditation Framework held at KMCL University, Lucknow; March 13th-14th, 2023

Papers/Poster presented in National/International Conference

1. In silico designing of dual TP/COX antagonist, Saurashtra University Rajkot; Feb. 4-7, 2011
2. Challenges in designing multi target drugs "in silico", ICC-2011, Bangkok; June 12-14, 2011
3. Synergistic effects of TxS inhibition and TPR antagonism, Theoretical Chemistry Symposium 2012, IIT Guwahati; Dec. 19-22, 2012
4. In silico design of drugs for venous thromboembolism and related cardiovascular diseases-Recent Advances in Computational Drug Design; IISc Bangalore, Sept. 16-17, 2013
5. Meditope - Monoclonal antibody interactions in cancer treatment, Theoretical Chemistry Symposium 2014, CSIR-National Chemical Laboratory Pune, Dec. 18th – 21th, 2014.
6. Role of antibody and antigen interactions in cancer treatment, 104th Indian Science Congress, S.V. University Tirupati (A.P), Jan. 3- 7, 2017
7. How multi-target drugs lead to synergistic effects as compared to single target drugs, 9th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources (CMTPI), Bagmallo Beach Resort, Goa, India, 27th-30th Oct. 2017

8. Natural pesticides from plant extracts for sustainable organic farming.
International Science Congress on Rural Technology and Development (ISCRTD-2023), held at B.B.A. University, Lucknow, Feb. 15th-17th, **2023**
9. Green Synthetic methods of Organic Compounds.
International Conference On Multidisciplinary Approaches To Chemical Sciences (InCoMACS-2024)
Held at National Post Graduate College, Lucknow, 24th-26th Oct. 2024

Organized/Participated/Attended in National Seminar/FDP

1. Since and Technology for National Development,
Indian Science Congress Association, Kanpur Chapter and Department of Zoology,
D.B.S. College, Kanpur, 29th-30th Sept. 2016
2. The Global Conference on The Control of Green House Gases At The Source By Physical And
Chemical Technology,
Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow, 22nd-24th April. 2019
3. One week online FDP on “Next Generation of Chemical Manufacturing & Waste Management” organized by
Dept. of Chemical Engg., I.E.T, Lucknow, 29th July-2nd Aug. **2020**
4. National Seminar on Indian Language Technology Conclave, held at K.M.C. Language University, Lucknow,
8th Nov. **2023**
5. National Seminar organized on “Contribution of Babasaheb Dr. Bhimrao Ambedkar in Women
Empowerment” at K.M.C. Language University, Lucknow, 14th April. **2025**

Newsletter Article contributed to Biobytes, DBT, India, Feb 2009

- Challenges in multi target drug designing and development of an accurate designing procedure
Nishi K. Rao, Sanjeev K. Singh, Swati Jain, Minakshi Sonker, Antara Banerjee, Anamika
Awasthi, **Abhay Krishna** and Arpita Yadav*
Biobytes, Vol 4, Feb 2009, Ed. Dr. S. Krishnaswamy, ISSN 0971 3271

Research Publication

- Lead compound design for TPR/COX dual inhibition
A. Krishna and A. Yadav
J. Mol. Modeling, Vol. 18(9), 4397-4408, **2012**.
- In silico design of a dual TPR/TxS inhibitor for Venous thromboembolism and related
cardiovascular diseases
A. Krishna and A. Yadav
Can. J. Chem, Vol. 92(4), 284-292, **2014**.
- Algae as a biosorbent for the heavy metal removal from Tannery waste water.
A. Krishna and Manvendra Singh
Journal of Advances and Scholarly Researches in Allied Education (JASRAE)
Vol. 19, 244-248, **2022**, 2230-7540

Monograph Published

De novo design of dual acting compounds for venous thromboembolism: A molecular modeling and docking study

A Krishna, Lambert Academic Publishing House Germany, Apr, **2014**, ISBN 978-3-659-51782-2.

Contribution to Book

Modern quantum mechanical methods applied to accurate in silico drug designing

A.Yadav, M. Sonker and **A. Krishna** in 'Applied computational biology and statistics in

Biotechnology and Bioinformatics', Ed: A.K. Roy, 2012. Chapter12, 497-511,

ISBN 9380235925, New India Publishing Agency

Book Published

Pharmacokinetic aspect of drugs and its impact on designing attempts

A Krishna, Lambert Academic Publishing House Germany, Apr, **2021**, ISBN 978-6-200-283429

References

1. Professor Arpita Yadav
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2. Professor Jai Deo Singh
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3. Prof. Nand Lal
Dean and Head, Dept. of Life Science
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