

CURRICULUM VITAE

Dr. Abhay Krishna

M.Sc., Ph. D

Assistant Professor of Chemistry

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Google Scholar Profile: https://scholar.google.com/citations?hl=en&user=bx_FcwUAAAAJ

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Vidwan ID: <https://vidwan.inflibnet.ac.in/profile/703690>

Personal details

Date of Birth	Sept 20, 1981
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 (Ph. D Course work & B. Pharma back paper Examination-2025-26)

K.M.C. Language University **18th April 2026**

Assistant Center Superintendent (Examination-2023-24) K.M.C. Language University **31st Oct.2023**

Assistant Center Superintendent (Examination-2020-21) K.M.C. Language University **March 2021**

Scholarship In-Charge (OBC) 10th June 2023 till date

Member NAAC Criteria -5 6th June 2023 till date

Convener- Students Council Policy Document 21st April.2023 till date

Co-convenor B. Tech Admission, K.M.C. Language University 2021-2022

Paper setter of B. Tech, B. Sc and Bio-Tech K.M.C. Language University Feb.2021-till date

NSS Program officer KMC Language University Lucknow **01 Feb.2021 -18th Jan.2026**

Deputy Controller of examination, K.M.C. Language University Lucknow **25th Sept. to 19th Nov.2020**

Member of Proctorial Board, K.M.C. Language University Lucknow **16th Sept.2020-2022**

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, 24thSept,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
10. Multi-Target Drug Design is More Beneficial than Single Target
44th Annual Conference, Indian Council of Chemists, Held at KLE Technological University BVBCET
Campus Vidyanagar, Hubballi, Karnataka, **22nd -24th December,2025**
11. Direct N-H/N-Me Aziridination of En ones
44th Annual Conference, Indian Council of Chemists, Held at KLE Technological University BVBCET
Campus Vidyanagar, Hubballi, Karnataka, **22nd -24th December,2025**

Organized/Participated/Attended in National Seminar/FDP

1. Science 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(6),244-248, **2022**, 2230-7540
- Predicting Chemical Reactivity Using Machine Learning- Based Molecular Modeling
A. **Krishna**, R. Dubey, M. Singh, T. Jamal
International Journal of Advanced Research in Engineering Technology &Science (**IJARETS**)
Vol.11(6),47-66, June.**2024**
- Resent Trends in Development of Eco-Friendly Biodegradable Polymers
R. Dubey, A. **Krishna**
International Journal of Advanced Research in Engineering Technology &Science (**IJARETS**)
Vol.12(4),86-97, April.**2025**
- Characterization of an Alkaloid Isolated from Alhagi Pseudalhagi
Prof. Bineeta Yadav, Dr. **Abhay Krishna**
International Journal for Multidisciplinary Research (**IJFMR**)
Vol.7(3), May - June.**2025**
- Integrating Artificial Intelligence into Agricultural Systems: An Overview
Manvendra Singh, Manju Kumari Choudhary, Tasleem Jamal, **Abhay Krishna**
Asian Journal of Advances in Agricultural Research (AJAAR)
Vol.25(9), 78-91, **Sept.2025**

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
- Gene Therapy-Transforming Genetics into a Cure
Dear Iffat Azim, Manvendra Singh, Abhay Krishna in "Innovative Perspectives in Applied Biotechnology (Volume: I) **Oct. 2025** , Helmand Books Publisher, Delhi, India
- Green Solvents From Agricultural Waste
A.Krishna in " Green Chemistry and Sustainable Techonogy" (Volume: I) **March 2026**
ISBN: 978-93-49938-33-5, Nature Light Publications, Pune, India

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

Patents

- Ai-Based Interactive Touch And Projection Computer Device For Modern Education
Design number: 6479582, Grant date: 22 October 2025, Registration date: **14 October 2025**

References

1. Professor Jai Deo Singh
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Indian Institute Technology Delhi
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2. Prof. Nand Lal
Dead and Head, Dept. of Life Science
C.S.J.M.University, Kanpur(U.P)
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