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

Co-convenor B.Tech Admission, K.M.C. Language University	2021-2022
Assistant Center Superintendent (Examination) 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	*25th Sept. to 19th Nov.2020*
Member of Proctorial Board, K.M.C. Language University Lucknow	*16th Sept.2020 16th Sept.2021*
Warden Boys Hostel, K.M.C. Language University Lucknow,	*16th Sept.2020 – 16th 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

RESEARCH EXPERIENCE

Title of Thesis: De novo design of dual acting compounds: TxS inhibitors and TxA_2 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.

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

Participated in National Seminar

7. 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

8. 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

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.

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.

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.

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

References

1. Professor Nand Lal
   Dean and Head of Department Life Science
   C.S.J.M.University Kanpur-208024
   e-mail
   Mob. No9369601483

2. Professor Jai Deo Singh
   Department of Chemistry
   Indian Institute Technology Delhi
   Mob. No. 09560705225
   e-mail: jaideo@chemistry.iitd.ac.in