

CURRICULUM-VITAE

Dr. Amit Kumar Gautam

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Objective (s):

- ✓ To contribute to an organization to whom I am associated with passionate working and ultimately devoting self to the process of nation-building and serving society through academia and research activities.
- ✓ Making future generations ready to serve the nation in a positive manner and build a healthy world with sustenance.

Education Details:

- ✓ Doctor of Philosophy (IGNOU, New Delhi)
- ✓ Master of Science (C.C.S University Meerut)
- ✓ Bachelor Of Sciences (Meerut College Meerut)

Professional-Experience:

- ✓ September 2019- Till date, Assistant Professr, Deptt of Chemistry
D.A-V(P.G) College Kanpur-208001
- ✓ August 2010-September-2019, Assistant Professor, Deptt of Chemistry,
Sri Venkateshwara College (University of Delhi).

Publication(s):

- ✓ **Computational assisted designing, screening, and synthesis of novel inhibitor of malarial aspartic proteases Plasmeprin I**, *Chem. Biol. Lett.*, 2022, 9(4), 364. **Amit Kumar Gautam**, Rupini Boyina.
- ✓ **Physio-chemical analyses to assess the quality of distillery effluents at Unnao**, *Biointerface Research in Applied Chemistry*. Vol 14, issue 2, 2024, 38. <http://doi.org/10.33263/BRIAC142.038>.
- ✓ **Correlation Coefficient for Physio-chemical parameters to assess the quality of tannery effluents at Kanpur**, *Letters in Applied NanoBioScience*. Vol 13, Issue 1, 2024, 47. <http://doi.org/10.33263/LIANBS131.047>.
- ✓ **Pyrimidine based chelates as an effective antibacterial agent** *IJRTI*, 8, 6, ISSN: 2456-3315, Abha Singh. **Amit Kumar Gautam**.
- ✓ **Synthesis and Crystal Structure-Activity Studies and possible therapeutic Application of Diamine Conjugated Fural Schiff Base as Antibacterial Agent**, *Chemistry Africa* Shikha Katiyar, Devendra Pratap Rao, Narendra Kumar Verma· **Amit Kumar Gautam** Chandra Prakash Singh,· Ashish Verma, Gyan Prakash Gupta. <http://doi.org/10.1007/s42250-023-00868-0>.
- ✓ **Dioxomolybdenum (VI) Compounds of Macrocyclic Schiff base Ligands: Preparation, Characterization and Antibacterial activity, 024, Vol. 40, No.(1):Pg. 28-39, Oriental Journal Of Chemistry ISSN: 0970-020 X**, Shikha Katiyar Devendra Pratap Rao, Narendra Kumar Verma, **Amit Kumar Gautam**, Ashish Verma, Chandra Prakash Singh and Yashveer Gautam.

Seminar/ Conferences:

- ✓ Presented a paper entitled “**Targeted drug delivery by nanoparticles: An Analytical Study**” in 1st International Conference on *Emerging Trends of Nanotechnology in Drug Discovery* organized by Sri Venkateswara Collge, University of Delhi & Department of Biochemistry, University of Delhi South Campus, India in association with Centro di Quimica da Madeira (CQM), University of Madeira, Portugal held on 26-27 May 2014.

- ✓ Presented a paper entitled “**Bio-physical studies of Plasmepsin I inhibitor**” in International conference on *Advances in Chemical Sciences and Nanocomposites (ASCN 2022)* organized by Zakir Hussain Delhi College in 1-2 April 2022.

- ✓ Presented a paper entitled “ **Structural Optimization of Novel Inhibitors of Malarial Aspartic Proteases Plasmepsin I &II**” in the International Conference on *Agriculture Science and Technology: Challenges and Prospects (AST-2022)* organized by Rani Lakshmi Bai Central Agriculture University Jhansi in association with NESA, ICAR, CARI Jhansi held on 6-8 May 2022.

- ✓ Presented a paper entitled “ **Stereochemistry: A Boon or Impediment in Drug Designing**” in the India International Science Festival (IISF) in association with Ministry of Earth Science, Ministry of Science and Technology & Ministry of Health and Family Welfare held on the theme **Pandemic Crisis and Challenges** on 22-24 December 2020.

- ✓ Presented a paper entitled “**Health Risks of food additives**” in the national Seminar on *Food Chemistry, Processed Food and Toxicology* organized by D.A-V. (P.G) College Kanpur held on 25-26 September 2019.

- ✓ Presented a paper entitled “ **Non-effectiveness of antimalarial drugs: Indian Scenario**” in the national seminar on **Application of Elements of Periodic Table in Natural Sciences** organized by Christchurch College Kanpur, held on 14-15 November 2019.

- ✓ Presented a paper entitled “**Spectroscopic analysis of compounds: An Inside view**” in the national seminar on *Recent advanced techniques in Analytical Chemistry* organized by D.G (P.G) college Kanpur, held on 16-17 January 2020.

Patent:

- ✓ One patent published on the design of “**Distillation Apparatus**” design no: **382985-001** dated 04-04-2023.

Project: (Completed)

- ✓ Project entitled “**Isolation of novel bacteria from garbage disposal landfill in Delhi followed by screening for antibiotics or secondary metabolites and genome sequencing**” Project code-VC-306, 2015-2016, Certificate no-RSA/0047/2017 funded by **University of Delhi** with sanctioned amount Rs. 355643.

Project: (Ongoing)

- ✓ Project Entitled “**Catalytic and Industrial Application of Multivalent Molybdenum Complexes as a Bonafide Chelating Complexes**” (Project ID-2912) funded by **Council of Science & Technology, U.P** with sanction amount Sixteen Lacs Eighty Six Thousands only.

Research Supervision:

- ✓ **4 Dissertation of M.Sc.Students**

Award and Distinction:

- ✓ CSIR-JRF fellowship

New Delhi/Kanpur

(**Amit Kumar Gautam**)

