


CURRICULUM VITAE

Full Name	Dr. Goutam Kumar	
Designation	Assistant Professor	
De part ment	Chemistry	
University (Campus)	HNB Garhwal University BGR Campus, Pauri Uttarakhand-246001	
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Educational Qualification	M.Sc., B.Ed., Ph.D.	
Other Achievements	JRF-NET, JKSET	
Teaching Experience	05 Years	
Research Experience	05 Years	
Research Interests (Specialization)	Green Chemistry & Nanotechnology Natural Products & Synthetic Chemistry Environmental Chemistry Computational Chemistry	
Publication		
<ol style="list-style-type: none"> Shah Imtiaz, Jagjeet Singh, Goutam Kumar, Madhvi Bhardwaj and Harish Saraswat. Structural studies of inclusion complexes of HP-β-CD and cetirizine by combination of ROESY and molecular modelling methods. <i>Asian Journal of Chemistry</i>. 2022;34(12):3224-3230. Bharti, J.S. Jangwan, Goutam Kumar, Vivek Kumar and Amrish Kumar. Abatement of organic and inorganic pollutants from drinking water by using commercial and laboratory-synthesized zinc oxide nanoparticles. <i>SN Applied Sciences</i>. 2021;3(311):1-12. Goutam Kumar, P.P. Badoni, Arun K. Khajuria, Mahender Singh, Sapna Tyagi and Navneet Singh. <i>Cotoneaster acuminatus</i> leaf extract mediated synthesis, characterization and in vitro evaluation of antimicrobial activity of Zinc Oxide nanoparticles. <i>Oriental Journal of Chemistry</i>. 2020;36(6):1043-1048. M.C. Purohit, Mahender Singh, Goutam Kumar and Navneet Singh. Plant mediated green synthesis of silver nanoparticles using <i>Rumex obtusifolius</i> leaf extract and their antibacterial activity. <i>International Journal of Pharmaceutical Sciences and Research</i>. 2020;11(9):4524-4529. Tanveer Alam, Sapna Tyagi, Goutam Kumar, et al. Synthesis and biological activity of silver nanoparticles from medicinal palm tree <i>Bismarckia nobilis</i> seeds. <i>Asian Journal of Chemistry</i>. 2020;9:2229-2232. Anuj Kandwal, Pranjali Purohit, Arun K Khajuria, Goutam Kumar, MC Purohit and Niranjan Kumar Mandal. Synthesis of zinc oxide nanoparticles using leaf extract of <i>Ajuga parviflora</i> Benth. in Wall. and their characterization. <i>Journal of Pharmacognosy and Phytochemistry</i>. 2019;8(4):493-497. Arun K. Khajuria, N. S. Bisht, R. K. Manhas and Goutam Kumar. Callus mediated biosynthesis and antibacterial activities of zinc oxide nanoparticles from <i>Viola canescens</i>: an important Himalayan medicinal herb. <i>Springer Nature: Applied Sciences</i>.. 2019;1(455). P.P. Badoni, Goutam Kumar, Mahender Singh, Navneet Singh, Arun K. Khajuria, Bharti and Sanjay Dutt. <i>Geranium wallichianum</i> leaf extract mediated synthesis of silver nanoparticles: characterization and its antimicrobial activity. <i>Asian Journal of Chemistry</i>. 2019;31(5): 1128-32. Jyoti Kundal, Goutam Kumar, M.C. Purohit. Application of biological active natural dye along with some synthetic mordants on wool surface. <i>International Journal of Advance Research in Science and Engineering</i>. 2018;7(2):386-394. Goutam Kumar, PP Badoni and Mahender Singh. Bio-inspired synthesis of silver nanoparticles from <i>Cotoneaster acuminatus</i> leaf extract and their characterization. <i>International Journal of Advance Research in Science and Engineering</i>. 2018;7(1):135-139. PP Badoni, Jyoti Kundal and Goutam Kumar. Biosynthesis of ZnO nanoparticles using <i>G. nepalense</i> leaf extract, characterization and their antibacterial activity. <i>Journal of Applicable Chemistry</i>. 2018;7(1):12-118. 		

12. Devendra Singh Negi, **Goutam Kumar**, Mahender Singh and Navneet Singh. Antibacterial activity of Benzimidazole derivatives: A mini review. *Research & Reviews: Journal of Chemistry*. 2017;6(3):18-28.
13. Arun Kumar Khajuria, NS Bisht and **Goutam Kumar**. Synthesis of zinc oxide nanoparticles using leaf extract of *Viola canescens* Wall. ex, Roxb. and their antimicrobial activity. *Journal of Pharmacognosy and Phytochemistry*. 2017;6(5):1301-1304.
14. MC Purohit, Mahender Singh, Reena Purohit and **Goutam Kumar**. Antimicrobial activity of methanolic extract of bark of *Prunus cornuta*. *International Journal of Pharmaceutical Sciences and Research*. 2017;8(8):3563-3567.
15. Arun Kumar Khajuria, **Goutam Kumar** and NS Bisht. Diversity with ethnomedicinal notes on Orchids: A case study of Nagdev forest range, Pauri Garhwal, Uttarakhand, India. *Journal of Medicinal Plants Studies*. 2017;5(1):171-174.

Conference/ Seminar/ Workshop/ Lecture

Presentations: Regional/State

1. Presented a paper on "Plant mediated synthesis ZnO nanoparticles for bioapplications" in "11th Uttarakhand State Science & Technology Congress 2016-17" held on 02-04/03/2017 at USCST, Vigyan Dham, Dehradun.
2. Presented a paper on "Decolorization of waste water using zinc based nanoparticles" in "Regional Seminar on Man and Nature" on 28/11/2015 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.

National

1. Presented a paper on "Sources and biological activities of some important natural alkaloids" in "National Conference on The Himalayas: At the Cross-Roads of Environment and Development" held on 26-27/05/2019 at Department of Geography, HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
2. Presented a paper on "*Cotoneaster acuminatus* leaf extract mediated synthesis of ZnO nanoparticles" in "National Conference on Recent Advances in Chemical and Nano Sciences" held on 29-30/10/2018 at Department of Chemistry, HNB Garhwal University BGR Campus, Pauri, Uttarakhand
3. Presented a paper on "Declining enrolment in Govt. affiliated and funded schools: A Review" in "National Seminar on Decreasing Strength of Students in Government Schools: Causes & Remedies" held on 19/05/05/2018 at Department of Mathematics, HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
4. Presented a paper on "Synthesis of *A. tortuosum* leaf extract: ZnO nanoparticles, characterization and their antifungal activity" in "National Seminar on Recent Advances in Science, Technology and Management" held on 29-30/04/2017 at Phonics Group of Institutions, Roorkee.

International

1. Presented a paper on "Bioengineering of silver nanoparticles from plant extract" in International Conference on Advancement in Engineering Sciences" on 28-29/09/2019 at School of Electronics & Communication Engineering, SMVD University, Katra (J&K).
2. Presented a paper on "*Pyracantha crenulata* leaf extract assisted synthesis of silver nanoparticles and its antimicrobial activity" in "International Conference on Recent Advances in Interdisciplinary Sciences" held on 11-12/01/2019 at Department of Electronics, University of Jammu, Jammu.
3. Presented a paper on "Ecofriendly approach for the synthesis of silver nanoparticles from *Arisaema tortuosum* leaf extract and their antifungal activity" in the "International Seminar on Environmental Degradation-Causes & Consequences" held on 25/02/2018 at Panchayat Bhawan, Moradabad.
4. Presented a paper on "Bio-inspired synthesis of silver nanoparticles from *Cotoneaster acuminatus* leaf extract and their characterization" in "International Conference on New Horizons in Science, Engineering, Management and Humanities" held on 16/02/2018 at IIMT College of Engineering, Greater Noida.
5. Presented a paper on "Application of biological active natural dye along with some synthetic mordants on wool surface" in "International Conference on Applied Science, Technology and Management" held on 10/02/2018 at MCCIA, Senapati Bapat Road, Pune.
6. Presented a paper on "*P. crenulata* leaf extract mediated synthesis of ZnO nanoparticles and their antibacterial activity" in "International Conference on Advances in Agriculture and Biodiversity Conservation for Sustainable Development" held on 27-28/10/2017 at Brahaspati Bhawan, CCS University, Meerut.

Participations

1. Participated in "National Online Awareness Program under National Intellectual Property Awareness Mission" organized by Intellectual Property Office, India on 10/02/2023.
2. Participated in "International Webinar on Write Your Thesis Using Mendeley-Tactics to manage references for Researcher" at Hybrid Mode/Seminar Hall, Block - A, AUMP on 06/02/2023.
3. Participated in "National Online Workshop on Chemdraw Software Learning" organized by Department of Chemistry, Aggarwal College Ballabgarh on 17/07/2022.
4. Participated in "One Week Online Faculty Development Program on Modern Innovations in Chemical Engineering & Technology" jointly organized by Department of Chemical Engineering and Department of Food Technology, Harcourt Butler Technical University, Kanpur during 9-13/08/2021.
5. Participated in "National Webinar on Navigating your Journey from Research to Patent & How Patent and Publication Differ" organized by Society of Pharmaceutical Sciences and Research (SPSR) on 18/04/2021.
6. Participated in "International Webinar on "Water Crisis in the Himalayan Region: Addressing and Tackling the Issue" organized by IQAC, Government Degree College, Chinyalisaur (Uttarkashi) on 30/08/2020.
7. Participated in "Online Workshop on **XRD Theory, Applications and Data Analysis**" on 6-7/08/2020 organized by Malvern Panalytical & Kumaraguru College of Engineering, India.
8. Participated in "Short Term Course On Catalysis" on 10-14/08/2019 at Department of Chemical Engineering, NIT Jalandhar.
9. Participated in "Jal Sanrakshan, Jal Gunvatta avum Swasthya Swachhta" on 30-31/03/2019 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
10. Participated in "One Day Workshop on Intellectual Property Rights" on 26/03/2019 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
11. Participated in "International Women's Day" on 08/03/2019 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
12. Participated in "Science Popularization Lecture on Application of Radioisotopes for Societal Benefits" on 22/04/2018 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.
13. Participated in "National Seminar on Uch Shiksha Aur Mukh Vishawvidhalya Ki Sambhawnaye" on 02/12/2014 at HNB Garhwal University BGR Campus, Pauri, Uttarakhand.