



Nishat Bhatia

Innovative professional with a strong track record of improving test scores by adopting teaching methods according to student's needs. Able to develop personal relationship with students to build their confidence in their abilities. Looking to support the University mission by creating a personal engaged learning environment that celebrates student's unique talents and ideas

Contact

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Career Objectives

To obtain a responsible position in the organization with best capabilities, skills and knowledge

Educational Background

- Ph.D. Chemistry Career Point University, Hamirpur under the supervision of Dr. Rahul Sharma, Asst. Prof. Career Point University, Hamirpur H.P. 174041, India
Thesis Title: Plant Extract Mediated Ecological Synthesis of Encapsulated Copper and Silver Nanoparticles for Biological Application
- M.Sc. Chemistry Shoolini University, Solan (70%) project under the supervision of Dr. Kalpna Chauhan Assoc. Prof. Central University, Haryana
Project Title: Pretreated Algal Biomass in Phosphate Removal
- B.Sc. HPU, Shimla (67%)
- B.Ed. HPU, Shimla (74%)
- 12th Class Govt. Boys Sr. Sec. School, Ghumarwin (80%)
- 10th Class Him Sarovodaya Sr. Sec. School, Ghumarwin (80%)
- One year Diploma in Computer Application (76%)
- Diploma as a Radio Journalist Solan. 90.4 FM
- Diploma of Ayurvedic Dietician and Nutritionist

RESEARCH AREAS

- **Material Science and Nanotechnology:** Nanostructured Materials, Nanocomposites, Polymeric green encapsulation, Nano based Sustainable drug degradation etc.

Hard Skills

- Better command over English and Hindi
- Good practical command over various softwares such as Image J, Origin, Chemdraw, Bio render, Microsoft excel
- Good practical command over various scientific apparatus like uv spectrophotometer, FTIR apparatus, sonicator, centrifuge machine.
- Planning curriculum
- Maintaining record
- Classroom management

Soft Skills

- Adaptability
- Critical thinking
- Time management
- Communication expertise
- Creative Problem Solving
- Computer Proficient

Professional Experience

- Research experience of 4 years
- 4 years teaching experience of Chemistry Lecturer and served as
- a vice principal in Him Gurukul Sr. Sec. School, Ladraur

Research Bio data

Publication

- **Bhatia, N.,** Kumari, A., Thakur, N., Sharma, G., Singh, R.R. and Sharma, R., 2022. Phytochemically stabilized chitosan encapsulated Cu and Ag nanocomposites to remove cefuroxime axetil and pathogens from the environment. *International Journal of Biological Macromolecules* (IF 8.2)
- **Bhatia, N.,** Kumari, A., Chauhan, N., Thakur, N. and Sharma, R., 2023. *Duchsnea indica* plant extract mediated synthesis of copper oxide nanomaterials for antimicrobial activity and free-radical scavenging assay. *Biocatalysis and Agricultural Biotechnology*, 47, p.102374 (IF 4.2)
- **Bhatia, N.,** Sharma, A., Kumari, A. Sharma, R. (2021). Plant mediated green synthesis of various nanoparticles-A Review. *J Mater Sci Res Rev*, 7, 42-58 (IF 1.2)
- Sharma, A., Sharma, R., **Bhatia, N.,** Kumari, (2021). A Review on Synthesis, Characterization and Applications of Silver Sulphide Quantum Dots. *J Mater Sci Res Rev*, 7, 42-58 (IF 1)

- **Bhatia, N., Kumari, A., Chauhan, N., Thakur, N. and Sharma, R., 2023.** Green Synthesis of Chitosan-Encapsulated CuO Nano composites for Efficient Degradation of Cephalosporin Antibiotics in Pharmaceutical Wastewater (Communicated).

Book chapters

- Antidiabetic activity of Gold and Silver nanoparticles
Nishat Bhatia, Asha Kumari^{1,2}, Rahul Sharma^{1,2*}
- Ferrite Nanoparticles for Antimicrobial Applications
Nishat Bhatia, Asha Kumari^{1,2}, Rahul Sharma^{1,2*}
- Bio-Waste Mediated Synthesis of Nanoparticles and their Environmental Applications
Nishat Bhatia, Asha Kumari^{1,2}, Rahul Sharma^{1,2*}
- Detoxification and Biodegradation of Pharmaceuticals by common Micro-organisms
Nishat Bhatia, Asha Kumari^{1,2}, Rahul Sharma^{1,2*}

Patent Filed

- **Patent No** PTIN0023878
- **Title** Cytotoxic Curumin nanoformulations
- **Inventors** Nishat Bhatia, Ramavtar, Rahul Sharma, Rattan Chand, Kashama Sharma, Seema Kumari, Shilpa Kumari, Asha Kumari

Research achievements

- Awarded 1st prize in National Level conference in IMEHR-2021 on 16-17 October, 2021 by CPU, Hamirpur
- Awarded with best oral presentation on international e-Conference on Progress of Science and Technology During Pandemic on December 11, 2021 by Shoolini University, Solan
- Participated in National Workshop Cum Seminar on Advances in Electron Microscopy and Allied Fields on September 23, 2011 at Shoolini University, Solan

List of conferences

- Participated in National Level conference in IMEHR-2021 on 16-17 October, 2021 by CPU, Hamirpur
- Participated in 9th National Seminar on "Doubling Farmers Income by 2022; Challenges, Opportunities and Way Forward" on February 17, 2020 by CPU, Hamirpur

- Attended National Workshop on IPR for ACADEMUCIANS on 14th March, 2020 by CPU, Hamirpur
- Paper presented in National Webinar on Pharmaceutical Industry and Future of Drug Production on June 8, 2020 by CPU, Hamirpur
- Attended National Seminar on Advances in Environment Sciences on August 24, 2012 at Shoolini University, Solan

Achievements

- Got 66th merit position in HPBOSE in 10th class
- Got 61th merit position in HPBOSE in 12th class
- Among three students of mine one got selected for State and two got selected for INSPIRE programs
- Got first State award in Hindi Handwriting Competition at School level
- Got 2nd State rank in Talent search examination from Sahil Study Circle in plus two
- Awarded with merit certificate in BSc
- Radio journalist experience of more than a year

Recommendations

Dr. Rahul Sharma
Asst. Professor
Career Point University, Hamirpur
Contact 7018064918

Dr. Yogesh Kumar Walia
Assoc. Professor
Career Point University
Contact 9805071048

Dr. Amit Thakur
Co-Founder Kehloor Biosciences
Contact 9817082648

Dr. Madan Lal
Asst Professor
Eternal University, Baru Sahib
Contact 9439177857

PERSONAL INFORMATION

Father Name: Sh. Brij Lal
Mother Name: Smt. Pushp Lata
Birth Date: 09.09.1988
Adress: Village Bagetu P.O. Bhatwara The. Ghumarwin Distt. Bilaspur (HP)
Nationality: Indian
Marital Status: Unmarried
Language Known: English, Hindi and Punjabi

