

Dr. Gursharan Kaur

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gkm.chahal@gmail.com

Sri Muktsar Sahib

Education

APR 2015 – MAY
2023

Ph.D. (Environment Science and Technology)

Central University of Punjab

Thesis: PHA and cellulase production from waste cotton fabrics employing cellulolytic bacteria

AUG 2012 – FEB
2015

M.Phil. (Environment Science and Technology) | CGPA: 4.94

Central University of Punjab

Thesis: Cancer risk assessment of heavy metals in groundwater of Talwandi Sabo block of Bathinda

AUG 2009- JUL
2011

M.Sc. (Hons.) Molecular Biology and Biochemistry | 65.2%

Guru Nanak Dev University

Thesis: Evaluation of antioxidant and antiproliferative potential of water extract of *Tinospora cordifolia* in C6 glioma cell line

AUG 2006 – JUL
2009

B.Sc. Biotechnology | 70.1%

Lyallpur Khalsa College, Jalandhar (GNDU)

Experience

AUG 2024 –
PRESENT

Assistant Professor

(Dept. of Biotechnology)

Guru Nanak College, Sri Muktsar Sahib

Theory and practical demonstration on the topics of food microbiology, biochemistry, dairy technology and environment science.

APR 2015 - MAY
2023

Research Scholar

Central University of Punjab

Synthesis and pretreatment experiments with green solvents

Soil and biomass analysis for microbial estimation

Implemented experimental protocols according to study design to achieve reliable results.

Advanced knowledge of scientific research and protocols by conducting multiple experiments

Handling of instruments like Atomic Absorption Spectroscopy, Voltmeter, UV-Vis spectrometer

Awards & Responsibilities

MAR 2018

Third prize winner for oral presentation at International Conference on Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry.

MAY 2019	Recorded the modules under the subject “Environmental Sciences” in e-PG Pathshala scheme, UGC, Ministry of Human Resource Development, GOI
2016	Qualified UGC-NET in Environmental Sciences
2015-16	Served as ‘treasurer’ for the student council at Central University of Punjab, Bathinda

Additional Skills

Scientific Writing	Literature reviews and surveys, manuscript writing, online academic content writing
Communication Skills	<p>Strong verbal communication skills demonstrated through academic presentations, online presentation videos and discussions with faculties and colleagues</p> <p>Excellent written communication skills showcased in reports, research papers, dissertation, thesis and professional correspondence.</p> <p>Ability to convey complex technical information in a clear and concise manner to non-technical audiences.</p> <p>Skilled in active listening, ensuring thorough understanding of requirements and feedback.</p>
Software Knowledge	Experienced in using software like SPSS, End Note, Arc GIS, Origin and MS Office

Languages

Fluent in English, Punjabi and Hindi

Referees

Dr. Dhanya MS

Assistant Professor

Department of Environmental Science and Technology

Central University of Punjab, Bathinda, Punjab, India

Email: ms.dhanya@cup.edu.in

Dr. Sunil Mittal

Associate Professor

Department of Environmental Science and Technology

Central University of Punjab, Bathinda, Punjab, India

Email: sunil.mittal@cup.edu.in

Dr. Puneeta Pandey

Associate Professor

Centre for Environmental Science

University of Allahabad, India

Email: puneeta@allduniv.ac.in

Declaration

The above-given details are true to my knowledge and belief.

Place: Sri Muktsar Sahib

Date: January 17, 2025