

SHIPRA KALRA

Kharar, Punjab 140301

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MSc Biochemistry PhD Biotechnology with 5 years of teaching at PG level and 10 years at plus two level for Biology and Chemistry .

Present Position

As an Assistant Professor (Biochemistry) at Rayat Bahra Dental College and Hospital, Mohali from 1st December,2022 (1 years) .

1. Taking BDS First year Biochemistry Theory as well as Practicals
2. Taking MSc Biochemistry Theory as well as Practicals.
3. Taking BSc (Nursing) Biochemistry Theory as well as Practicals.
4. Guiding MSc Biochemistry students for THESIS / DISSERTATION
5. Planning lessons and assignments.
6. Working with colleagues to develop or modify the curriculum for a degree or certificate program involving a series of courses.
7. Assessing students & progress by grading papers, tests, and other work.
8. Staying informed about changes and innovations in their field.
9. Conducting research and experiments to advance knowledge in their field.

Work Experience

Assistant Professor

Rayat Bahra Dental College & Hospital - Mohali, Punjab
December 2022 to Present

1 year

PGT

Patel Public School - Rajpura, Punjab
August 2013 to December 2022

Assistant Professor

Dolphin (PG) College Of Life Sciences - Fatehgarh Churian, Punjab
May 2011 to July 2012

Biotechnology) Professional Experience approx 4 years

> Assistant Professor, May 2011-July 2012 (14 months), Dolphin (PG) College Of Life Sciences, Punjab.

Assistant Professor

Asian Institution - Patiala, Punjab
July 2010 to May 2011

10 months), Asian Institution, Patiala.

Assistant Professor

Mata Gujri College
September 2007 to May 2009

Fatehgarh Sahib (PB).

Lecturer

Govt College for Girls, Patiala

July 2006 to May 2007

Contract) (10 months).

Education

Phd in Biotechnology

Punjabi University

May 2004 to April 2010

MSc in Biochemistry

Kurukshetra University

July 1999 to May 2001

BSc in Biochemistry

Kurukshetra University

July 1996 to May 1999

Skills / IT Skills

- One workshop-cum-training programme on " TOOLS AND TECHNIQUES FOR PROTEIN STRUCTURE AND DRUG DESIGNING " organized by Bioinformatics Centre, HIMACHAL PRADESH UNIVERSITY, SIMLA from MAY16-18, 2005.
- D-AMINO ACID OXIDASE AS THERAPEUTIC ENZYME. One oral presentation was done in 8th Punjab Science Congress conducted by DEPARTMENT OF ZOOLOGY, PUNJABI UNIVERSITY, PATIALA. Workshop /Symposium Attended
- Workshop on 'Patent Awareness' held by the Punjab State Council for Science and Technology(PSCST), NOV., 2004.
- D-AMINO ACID OXIDASE IN CANCER THERAPY AS REACTIVE OXYGEN SPECIES GENERATING ENZYME One paper was presented in "National symposium Medical Biotechnology "in Feb, 2005 at Department of Biotechnology, Punjabi university, Patiala. Title
- Attended Hands-on-training on "APPLICATIONS OF POLYMERASE CHAIN REACTION AND DNA SEQUENCING " in 2007 at Dolphin(PG) Institute of Biomedical & Natural Sciences, Dehradun from 3-5 October, 2007.
- Attended "National Symposium on Fermentation Technology" in 2006 at Punjabi University, Patiala.
- Laboratory Skills: Instruments Handled pH- meter, Colorimeter, Electrophoretic apparatus e.g Horizontal and Vertical, Chromatography and Flame photometry, Spectrophotometer, Sonicator, Centrifuge, Fluorescent microscope, Phase Contrast microscope, CO2 Incubator, Bio-Rad plate reader, HPLC (Hitachi), Akta Prime purification system (Amersom Biosciences), Fluorimeter And Polarimeter, ELISA reader. Biochemical Techniques: PEGylation, Purification and Documentation, Expertised in Purification techniques e.g Gel-Filtration Chromatography, Ion-Exchange Chromatography, SDS- PAGE, Colonogenic Assays .Cholesterol Estimation, Sugar, Creatinine, Interpretation of Results, Amino acid Analyser Immunology Techniques: Cell viability assay e.g. Trypan Blue Assay, Cytotoxicity Assays e.g MTT Assay, NBT Assay, Lipid Peroxidation Assays, Catalase Assay, DCF-DA Assay, ATP Assay, ELISA, RIA. In vivo studies in Rodents like mice etc. Vaccine Production for typhoid fever. Worked as Guide for MSc Dissertations: 22 Poster Presentation/ Oral Presentation One paper was presented in "National symposium on Advances in Industrial Biotechnology" in Feb, 2004 at Department of Biotechnology, Punjabi university, Patiala. Title
- Microsoft Office
- Communication skills

- Teaching experience
- Curriculum development
- Presentation skills