

ROOPALI KASHYAP
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OBJECTIVE

Seeking for a good level with responsible and developmental position of a teacher to employ my gained knowledge and skills for the benefit of the school and society. Also coordinating with academic advisors to help students in making career choices based on their academic majors.

SUMMARY:

- Teaching experience in reputed school.
- One and half years of experience as a Project Assistant in reputed organization.
- Worked for isolation of radioprotective lignans from the medicinal herb.
- Hands on experience in various biotechnology instruments.
- Also having 5 months dissertation research experience in phylogenetic analysis of freshwater fish species *Puntius ticto*.
- Good handling of Biotechnology tools and techniques.

2021 to 2023: Completed B.Ed degree from SANT HIRDARAM GIRLS COLLGE.

2020 to 2021: Work as a lab technician for 2-3 months and as a biology teacher also in 2021.

2018 to 2019: preparation for competitive exams and apply for Ph.D.

JOB EXPERIENCE

Organization: Jawaharlal Nehru Cancer Hospital and Research Centre, Bhopal.

Position: Project Assistant in research project of M.P. Council of Science and Technology, Bhopal.

Project title: Radioprotective lignans from *Phyllanthus niruri*: investigating the in vivo-efficiency and mechanism with special reference to DNS repair and damage assessment

Duration: **One year and six months** (July 2016 to January 2018).

Roles and responsibilities:

- ✓ Collection of medicinal herbs from various areas of Bhopal.
- ✓ Cultivation of herb in the field.
- ✓ Preparation of Extracts: extraction process for making different types of extracts.
- ✓ Isolation of different lignans (components) with the help of Thin Layer Chromatography.
- ✓ Maintaining of records, storing of data and annual report writing.

July 2015 to June 2016 preparation of competitive exams: NET, GATE.

ACADEMIC QUALIFICATION

YEAR OF PASSING	EXAMINATION	INSTITUTE	UNIVERSITY	%MARKS
2021-2023	B.Ed	Sant Hirdaram Girls College Bhopal	Barkatullah University	84.2
2013-15	M.Sc. Biotechnology	Govt. Motilal Vigyan Mahavidhyalaya, Bhopal	Barkatullah University	79
2010-13	B.Sc. Biotechnology	Govt. Geetanjali Girls College, Bhopal	Barkatullah University	80
2009-10	XII	R.B.M. School, Bhopal	M.P. Board	83
2007-08	X	R.B.M. School, Bhopal	M.P. Board	88

PROJECT WORK

M.Sc. Dissertation: Five months (Jan to May 2015)

Title: Molecular modelling and habitat characterization through mtcoxI partial gene sequences among three populations of *Puntius ticto* (Hamilton, 1822)

Aim: The main aim of the study was to estimate the genetic variability based on mtcoxI gene sequences variation among 13 genotypes of *Puntius ticto* collected from the three water bodies i.e two lentic & one lotic of M.P. The important purpose was to conserve the freshwater fish species with keeping in lotic habitat and protect rivers.

Place: M.P Council of Science and Technology, Bhopal.

Guide: Dr. R.K Garg, Scientific officer.

Techniques: Molecular biology and Bioinformatics tools.

- ✓ Genomic DNA extraction from fish tissues.
- ✓ PCR amplification through mt-cox1 gene.
- ✓ Agarose gel electrophoresis of DNA.
- ✓ Biostatistical analysis.

TRAININGS

Post-Graduation:

- Bioinformatics tools and software at MANIT, Bhopal.2014 (15 days)

- Enzyme and Enzyme Technology: extraction, assay, purification of enzyme starch phosphorylase, cellulase enzyme and acetylcholine esterase enzyme activity measurement at Devi Ahilya University, Indore. 2014 (15 days)
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Graduation:

- Separation and purification of IgG protein by Ion exchange chromatography at Sapience lab, Bhopal. 2012 (15 days)
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- Cloning of Green Fluorescent Protein at Sapience lab, Bhopal. 2013 (3 days)
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- Microbial growth assessment at Genesis institute, Bhopal. 2012 (3 days)
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- Chromosome preparation from bone marrow cells of Swiss albino mice at Genesis Institute, Bhopal. 2011 (3 days)
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- Chromosome preparation from kidney cells of *Clarius batracus* (cat fish) at Genesis Institute, Bhopal. 2011 (3 days)
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- Serum electrophoresis at Genesis Institute, Bhopal. 2010 (3 days)
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Instrumentation skill: - UV - Vis spectrophotometer (Elico, India); Nano drop UV spectrophotometer (ND-1000, USA); Centrifuge; Gel Documentation System (Alpha Innotech, USA); Gradient Automatic Thermal cycler: PCR (Corbett Research, Australia); Digital pH meter (Ana lab scientific); Horizontal Electrophoresis unit (Consort Belgium); Water bath; Laminar air flow.

PARTICIPATIONS

- Workshop on Next Generation Sequencing: A Discussion Forum held in MPCOST, Bhopal. 2016
 - National seminar on “Innovation in science and technology” at MPCOST, Bhopal. 2014
 - Symposium on “New Frontiers in Translational Biotechnology” at BMHRC, Bhopal. 2013
 - Inter collegiate quiz competition of biotechnology organized in Institute of Excellence in Higher Education, Bhopal. 2013
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AWARDS / ACHIEVEMENTS

- **GOLD MEDAL** LATE DR. SHANKAR DAYAL SHARMA, FROM Govt Geetanjali Girl’s college in final of B. Sc Biotechnology. 2013
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- **MEDAL** by Akhil Bhartiya Vidyarthi Parishad, Bhopal to stood first in class II year of graduation. 2012
 - Certificates for secured better score in school academics. 2010
 - Prizes in drawing competition, cultural activities, sports at school level.2008
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PUBLICATION DETAILS

1. EFFECT OF VITAMIN D IN ACNE, Volume 8, Issue 7, 456-459 JULY 2020 in IJARESM, INDIA.
 2. MITOCHONDRIAL BIOGENESIS: A Great Evaluation, Adaptation in Mitochondrial Complex Powerhouse of The Cell ATP Generator, Volume 9 Issue 9, 1197-1201 SEPTEMBER 2020 in INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH (IJSR), INDIA.
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PERSONAL DETAILS

- **Father's Name:** Lt. Shri S. R Kashyap
 - **Language Known:** English, Hindi and Punjabi
 - **Address:** Near bus stand, chola road Bhopal, M.P 462001
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DECLARATION

I hereby declare that above information is correct to the best of my personal knowledge.

Yours Faithfully,
ROOPALI KASHYAP
BHOPAL, INDIA
