

Dr. Pratibha Tomar (Asst. Prof. & Ph.D.)



EDUCATION

- Doctorate of Philosophy (Ph.D.) - Botany – Year 2007
- NET - JRF (National Eligibility Test) In Life Sciences (CSIR/UGC) – Year 2001
- Master of Science (M.Sc.) – Botany – Year 1999, 1st Division
- Bachelor of Science (B.Sc.) - Zoology, Botany, Chemistry – Year 1997 – 1st Division

PUBLICATIONS

- I. Comparison of Effects of Music on Plants and Animals: Bio musicology, Music Therapy and their Medical Implementation
- II. Simulated Acid Rain and Environment: Status Of Environment And Bio Diversity; Rio +20 And Role Of Space Technology
- III. Effect of Simulated Acid Rain On Tomato: Climate Change; Socio Economic And Environmental Issues – Problem And Challenges
- IV. Estimation of some biochemical parameters in *Lycopersicon lycopersicum* cv. Damayanti in response to acid rain.
- V. Indian science- Ancient to modern: Relevance of Ancient Indian Wisdom in Contemporary India.
- VI. Issues concerning developing nations: Development in India: Issues, challenges and Strategies.
- VII. Globalization and its impact on Climate Change: Gloabalization and its impact on Climate Change.

ACCOMPLISHMENTS

- State Level Champion For Gymnastics.

RESEARCH ACTIVITY - Doctorate of Philosophy (Ph.D.) - Botany – Year 2001 to 2007

TOPIC

Effect of Simulated Acid Rain on Some Solanaceous Crops

LAB ACTIVITIES

Dr. Pratibha Tomar (Asst. Prof. & Ph.D.)

- Experimental design
- Light microscopy
- Biochemical characterization of cells
- DNA extraction
- Differential staining
- Enzymatic assays
- Spectrophotometry
- Bacterial culture
- Titration
- Preparation of solutions (molarity calculation and pH measurements)

RELEVANT EXPERIENCE - COURSEWORK & LABS

Assistant Professor of Botany at KMGGPG College – Year 2009 to Present
PAPERS - Graduate Classes for Bachelor of Science Students for 9 Papers

- PAPER I - DIVERSITY OF VIRUSES, BACTERIA & FUNGI
- PAPER II - DIVERSITY OF ALGAE, LICHENS, & BRYOPHYTES
- PAPER III - DIVERSITY OF PTERIDOPHYTES & GYMNOSPERMS
- PAPER I - DIVERSITY OF ANGIOSPERMS: SYSTEMATICS, DEVELOPMENT & REPRODUCTION
- PAPER II - CYTOLOGY, GENETICS, EVOLUTION & ECOLOGY
- PAPER III - PLANT PHYSIOLOGY AND BIOCHEMISTRY
- PAPER I- PLANT RESOURCE UTILISATION, PALYNOLOGY AND BIOSTATISTICS
- PAPER II- MOLECULAR BIOLOGY & BIOTECHNOLOGY
- PAPER III- ENVIRONMENT BOTANY AND PLANT PATHOLOGY

Assistant Professor of Botany at SRIET College – Year 2007 to 2009
PAPERS - Graduate Classes for B. Tech Bio Tech Students

- PRINCIPLES OF ENVIRONMENTAL SCIENCE
- BIO CHEMISTRY
- CELL BIOLOGY
- ENZYME TECHNOLOGY
- GENETICS AND CYTOGENETICS
- IMMUNOLOGY
- MICROBIOLOGY

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- MOLECULAR BIOLOGY
 - VECTOR BIOLOGY AND GENE MANIPULATION
 - ANIMAL BIOTECHNOLOGY
 - ANALYTICAL TECHNIQUES
 - PLANT BIOTECHNOLOGY
 - GENOMICS AND PROTEOMICS
 - PROTEIN ENGINEERING
 - BIOINFORMATICS
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