

CURRICULUM VITAE

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GARGI N. EDKIE

Senior Research Fellow

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Education Qualification :

Class Passed	School / College / University	Board / University	Year of Passing	Result
Ph.D. Biotechnology	Dept. of Biotechnology	Shivaji University, Kolhapur	In progress	
M.Sc. Biotechnology	Barkatullah University, Bhopal	Barkatullah University, Bhopal	2005-07	70.4%
B.Sc. Biotechnology	Extol Institute Of Management, Bhopal	Barkatullah University, Bhopal	2002-05	71.2%

Presently working on:

1. Development of early shoot borer and internode borer resistance in sugarcane using Cry1Aa3 gene.
2. Characterization of genes from *Bacillus* spp. isolated from sugarcane endo-rhizosphere for salinity & pH tolerance.

Techniques Covered/ Practical Handling:-

1. Microbiological Techniques
 - Method of Bacterial Cell Culture
 - Isolation of bacteria
 - Purification of bacterial culture
 - Evaluation of microbial diversity
 - Isolation, purification, enrichment of Anaerobic cultures
 - Sulphide detection in bacterial cultures

2. Biochemical techniques
 - Biochemical characterization of bacteria
 - Qualitative & quantitative analysis of biomolecules
 - Blood Group analysis
 - Enzyme immobilization (Spinach leaves)
 - Proteins/Carbohydrate estimation

3. Instrumentation
 - Perkin Elmer PCR
 - ABI Prism 310 Gene Analyzer
 - Chromatographic techniques (Paper & TLC)
 - Spectrophotometer.
 - Table-Top Centrifuge & Ultracentrifuge
 - Microscopy (Light Microscope)
 - Laminar Air Flow
 - Anaerobic chamber

4. Molecular techniques:
 - Isolation of DNA from bacteria, onion
 - RFLP
 - ARDRA
 - Primer standardization
 - 16 S PCR amplification
 - Gel Electrophoresis
 - Sequencing

Computer Proficiency:-
Have the basic knowledge of:

C++, SQL 2000, ACCESS 2000, MS Power Point, Primer Designing, Internet & other computer work.

Attended computer software training program at B.L.E.W. & APTECH Computer Education Centre.

Conferences, Seminar & Workshop Attended

- Workshop on “*Insilico* study of biomolecules” at department of biotechnology & Bioinformatics, B.U.
- Presented seminar on “southern blotting technique “ at U.T.D., B.U.
- Presented seminar on “oxidants & ageing” at UTD, B.U.
- Participated & received consolation prize in oral presentation at Inter-college competition held at Unique College.
- Attended seminar on “cell death receptors”, etc.
- Attended National Seminar on “Class Room Teaching in Biotechnology-an Update” held at Nutan college.

TRAININGS:

- “Production of Single Cell Protein”, at Wonder Herbs Pvt. Ltd., Bhopal
- “Basic Techniques in Plant Tissue Culture”, at Grow Tips Biotech, Bhopal
- “Mushroom Cultivation”, at Grow Tips Biotech, Bhopal
- “Basic Techniques In Biofertilizers Production”, at Grow Tips Biotech, also at the college campus.

Area of Interest:

I am willing to work under any project but my preferential areas of interest are

- Molecular Biology.
- Genetic Engineering
- Cell biology.
- Microbiology

Personal strengths:

- Good academic record.
- Dedication, sincerity, innovation & teamwork capability.
- Determination to unravel the secrets of that what captures my interest.

Extra Curricular Activities

1. Have passed the “ Business English Certificate Preliminary (B.E.C.), Level-1 exam”, conducted by university of Cambridge.
2. Have Successfully completed 10 days “ The National Adventure Programme” organized by “ Bharat scouts & guides”, at Pachmarhi.

Personal Profile:

Name : Miss. Gargi N. Edkie
Blood Group : A⁺
Sex : Female
Father’s Name : Mr. N.R. Edkie
Mother’s Name : Dr. Mrs. Amruta N. Edkie
Dt. Of Birth : 24/04/84
Nationality : Indian
Languages : Hindi , English & Marathi
email : gargi84@rediffmail.com, gargiedkie@gmail.com
Permanent Address : A / 109-2 / Alkapuri / Bhopal- 462021

Reference:

Dr. Anil Prakash
Head & Coordinator, H.O.D.
Department of Biotechnology & Bioinformatics Centre
Barkatullah University,
Bhopal.