

GAURI ARVIND NERKAR

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Molecular Biology and Genetic Engineering Division,
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Date of Birth: 18th January, 1983

Educational Qualification:

Exam	Board / University	Year of passing	Marks obtained	Percentage
M.Sc.(Botany) (Specialisation: Cytogenetics)	Pune University	2006	1404/2000	70.20% (Grade 'O')
B.Sc.(Botany) (Vocational: Biotechnology)	Pune University	2004	879/1200	73.25%
H.S.C.	Pune Board	2001	310/600	51.67%
S.S.C.	Mumbai Board	1999	531/750	70.80%

Languages Known: English, Hindi and Marathi

Projects and Training Programmes:

- **Current Work:** Working on the aspect of “**Molecular characterization of cytoplasmic genome diversity in sugarcane and chloroplast transformation in sugarcane**”, with the group concerned with Molecular Breeding in the Molecular Biology and Genetic Engineering Division at Vasantdada Sugar Institute, Pune.
- Worked on a project entitled “**Molecular Genotyping of Scented Rice (*Oryza sativa* L) Varieties by DNA microsatellite markers**” in the **Department of Botany, University of Pune**, under the guidance of Dr. A. B. Nadaf, during the fourth semester of M.Sc. in 2006 (Jan-May).
- Worked on a project entitled “**Sucrose accumulation in Sugarcane (*Saccharum officinarum* L) genotypes**” in the **Vasantdada Sugar Institute** (Plant Physiology Section) (Manjari, Pune), during a two-month summer training programme, in 2005 (May-July).
- Observed the laboratory operations in the
 - **Pune Fertility Centre** (Shivajinagar, Pune) in 2003 (May-June)

- **Deendayal Hospital, Pathological laboratory** (Shivajinagar, Pune-411005) in 2002 (May-July) during a summer training programme, as a part of the **B.Sc.(Vocational-Biotechnology)** course.

Areas of interest:

- DNA fingerprinting using molecular markers
- Agrobacterium mediated genetic transformation
- Chloroplast transformation

Achievements:

- Completed **MSCIT** (Maharashtra State Certificate of Information Technology) course (2003) from the institute **MCITR** (Modern Centre of Information Technology and Research) with 75% marks.

Skills acquired:

- Plasmid and genomic DNA extraction
- Agarose gel electrophoresis
- Polymerase Chain Reaction
- Agrobacterium mediated transformation
- SDS-PAGE

Extra Curricular Activities:

- Won **first prize** for the
 - **Science-2003 Project** entitled “**Biomimetics**” (January, 2004)
 - Essay entitled “**Biotechnology: A futuristic View**” (September, 2003)
 - Essay entitled “**Ethics in scientific experiments**” (September, 2002) conducted by the Science Association, Modern College, Pune- 411 005.
- Secured **second position** at Sub-Institution level in the National Quiz, “**Awakening Indians to India**” conducted by **All India Chinmaya Yuva Kendra**.

References:

- Dr. D. Theertha Prasad,
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