

CURRICULUM VITAE

Priyanka Dange

B-5/70 Shanti Rakshak Society, Shastrinagar, Yerwada, Pune-411006

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Research Interests:

Ecology, Evolution, Molecular Biology and Genetics.

Educational Qualification Year	Degree	Institute	Subjects	Marks obtained
2014-2016	M.Sc. Biodiversity	Abasaheb Garware College, Pune	Multiple credits	4.35 out of 6.0 (CGPA) i.e. 62.70% First Class
2011-2014	B.Sc. Biotechnology	Abasaheb Garware College, Pune	Biotechnology	67.83 % First Class
2011	HSC (12th Boards)	N. M. V Junior College, Pune,	Biology, Chemistry, Maths, Physics	78 % Distinction
2009	SSC (10th Boards)	Dr. Mrs. Erin. N. Nagarwala Day School	Science, Mathematics, Social Science, Hindi, Marathi, English	87.69 % Distinction

Academic and Research Projects:

2013-2014

B. Sc. Project: “Antibacterial activity of Cerium dioxide (CeO₂) nanoparticles against *E. coli* and *S. aureus*” under the guidance of Mrs. Madhura Damle (H.O.D of Biotechnology, Abasaheb Garware College, Pune-411004)

2015-2016

M. Sc. Dissertation: “Effect of Cerium dioxide (CeO₂) nanoparticles on viability and SOD (Superoxide dismutase) activity of *E. coli* in presence of UV” under the guidance of Mrs. Madhura Damle (H.O.D of Biotechnology, Abasaheb Garware College, Pune-411004).

The emergence of multiple, important applications for CeO₂ nanoparticles (CNPs) and increased industrial production will undoubtedly lead to environmental release of nanoparticles. Hence there is a need to investigate their properties and potential toxicity to biological systems. The aim of this project was to synthesize non-coated and PEG coated CNPs and check their comparative effect on bacterial system. The non-coated CNPs & PEG coated CNPs were synthesized, dispersed and characterized by UV. SOD mimetic activity was observed for both non-coated and PEG coated CNPs. Antibacterial activity was not observed against *E. coli* & *S.aureus* at neutral pH. Pro-oxidant and anti-oxidant effect of PEG coated and non-coated CNPs was observed on *E. coli*.

2016-Present:

Currently I am working as a Project Assistant under Dr. Dhanashree Paranjpe, Ramalingaswami Fellow on a research project titled as: Impact of human vicinity on Indian Peafowl (*Pavo cristatus*) populations in terms of feeding habits, reproductive behaviours, communication and demographics and the impact of peafowl on local economies in different localities across India. The project is funded by Dept. of Biotechnology, Govt. of India.

Extra-curricular Courses:

Sr. No.	Course title	Conducted by	Duration
1)	Application of Bioinformatics in Biodiversity Studies	Department of Biodiversity, Abasaheb Garware College, Pune	23rd March 2016 to 30th March 2016

Conference Attended

Sr. No.	Name of the Conference	Conducted by	Duration
1)	Thane Creek Convention, World Mangrove Day	Paryavaran Dakshata Manch, Thane. Mangrove Society of India.	26th July 2015

Hobbies: Reading, Listening music and learning languages.