

CURRICULUM VITAE



Dr. Mamta

Assistant Professor
Department of Botany
Govt. Naveen College Risali, Bhilai, Dist-Durg Chhattisgarh
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Educational Degrees

Ph.D : **Botany (2018)**, Govt. Nagarjuna Post Graduate College of Science, Raipur
Affiliated to : Pt. Ravishankar Shukla University, Raipur Chhattisgarh
Thesis Title : Micropropagation and Phytochemical Estimation of
“ Solanum xanthocarpum ” (SCHRAD. & WENDL.)

M.Phil : **Master of Philosophy in Bioscience (2012)**
SOS in Life Science Department, Pt. Ravishankar Shukla University
Raipur Chhattisgarh.

M.Sc. : **Master of Science in Botany (2011)**
Bhilai Mahila Mahavidyalaya, Sector-9, Bhilai
Affiliated to : Pt. Ravishankar Shukla University Raipur Chhattisgarh.

B.Sc. : **Bachelor of Science-Bio (2009)**
Govt. Arts and Science College Vaishali Nagar Bhilai
Affiliated to : Pt. Ravishankar Shukla University Raipur Chhattisgarh.

Present Position : **Assistant Professor in Botany**
Botany Department
Govt. Naveen College Risali, Bhilai, Dist-Durg Chhattisgarh

Field of Research Interest : Phytochemistry of Medicinal Plant
Plant Tissue Culture
Microbiology
Biotechnology

Professional Experience : Three Year of Teaching Experience

Achievement and Awards : Rajiv Gandhi National Fellowship Award during M.Phil and Ph.D.
Awarded with A+ grade in FIP program
Awarded with second position in Poster Presentation in National Seminar.

List of Publication :

1. Studies on presence of antifungal activities of leaf extract of *in-vivo* and *in-vitro* grown plants of *Solanum xanthocarpum*. (Schrad.and Wendl.)
2. Salicyclic acid and Acquisition of dessication tolerance in pisum sativum seeds.
3. Significance of Historical, Geographical and tribal tourism in Bastar, Chattisgarh in ecosystem and Biodiversity.
4. Effect of growth regulators on *in vitro* shooting and rooting of *Solanum xanthocarpum* and its Micropropagation.
5. Qualitative evaluation of Phytochemicals and antifungal activity of *Solanum xanthocarpum* (Schrad. And Wendl.)

List of Conference papers :

- Presented paper on “ Studies on presence of antifungal activities of leaf extract of *in-vivo* and *in-vitro* grown plants of *Solanum xanthocarpum*.” National seminar on Current trend and prospects in botany. Govt. Nagarjuna post graduate college of science Raipur.
- Presented paper on Significance of Historical , geographical and Tribal Tourism in Bastar, Chhattisgarh in ecosystem and biodiversity.National seminar on challenges development and possibilities in tourism industry. at Digvijay college Rajnandgaon.
- Presented poster on Comparative phytochemical studies on leaf extract of *in-vivo* and *in-vitro* grown plants of *Solanum xanthocarpum*, National seminar on Current trend and prospects in botany. Govt. Nagarjuna post graduate college of science Raipur(Awarded second prize).
- Participated in National conference on climate change Kalinga university Raipur.

Orientation course:

Completed FIP faculty induction program for one month from UGC MMTTC Harisingh Gaur University Sagar Madhyapradesh and awarded with grade A+.