

Name Dr. Rashmi Agarwal

Position: Associate Professor

Contact Information:

Address: Deptt. of Forestry & Env. Sc.

Guru Ghasidas University

Bilaspur-495009 (CG)

Tel: 07752-260078(O), 09179444732 (m)

Email: drrashmi_agarwal@yahoo.co.in

Academic Qualifications:

S. No.	Degree	Institution	Year
1.	PhD	University of Allahabad, Allahabad (U.P.)	1979
2.	MSc	University of Allahabad, Allahabad (U.P.)	1988

Brief write-up on area of specialization/awards/achievements:

Plant Pathology with special reference to Mycorrhiza & Biofertilizers to forestry spp. and their application for Eco- rehabilitation of degraded/waste-land for sustainable management of environment.

Awards & Recognition:

Life member of following Academic Societies

1. Society of Tropical Forestry Scientists
2. Indian Society of Agroforestry
3. Society of Basic and Applied Mycology – India.

Additional Information/ Achievements:

- **Projects Undertaken :**

Research and Extension:

1. Studies on Role of Mycorrhiza and Biofertilizer on growth of *Sal* & its associates : sanctioned by MPCOST, Bhopal (M.P.)
Outlay Rs. 1.30 lacs - Completed
2. Technology extension project of agro-forestry on rehabilitation of degraded land by integrated biotechnological approach in Chhattisgarh region.
Sanctioned by Ministry of Rural Development, Govt. of India, New Delhi.
Outlay Rs. 51 lacs. - Completed
3. The extent and evaluation of involvement of women for forestry conservation in joint forest management in Northern Chhattisgarh
- Submitted to CG Council of Science & Technology.
Outlay - 1.99 lacs. Completed
4. Cultivation and Evaluation of petro-crops (*Jatropha* and *Karanj*) on degraded land in Chhattisgarh region.
- Sanctioned by Ministry of Rural Development, Govt. of India, New Delhi.
-Outlay Rs. 36.2 lacs. (Technical Advisor)

II. Ph. D. degree awarded under my supervision – Eight

III. Organisation of national seminar/ Symposia/ workshop & others: Seven

IV. International Presentation and participation

1. Paper presented in 15th International Forestry and Environment Symposium at University of Sri Jayewardene, Sri Lanka, 2010,
2. Group Study Exchange Programme Brazil, 1998
3. Worked on host-parasite specificity & plant fungus interactions & presented paper at the Annual Meeting of American Institute of Biological Sciences at University of Toronto - Canada 1989

V. Administrative Experience

List of 10 major Publications:

- Natural colonization of plant species degraded land of Dabena, District Bilaspur (C.G.). , Inter J Curr Trends Sci Tech, 3(4), 95-103 (2012)
- Management of Degraded Land Through *Gmelina arborea* Linn. Based Agroforestry Practices Integrated with Biotechnological Approach International Journal of Tropical Agriculture Vol. 29, No. 1-2, 113-117, 2011
- Use of VAM fungi in some selected agroforestry trees in stress conditions. In. Crop production in stress environments: Genetic and management options *AGROBIOS* (International), pp. 579-582, 2005
- Adoption behaviour of farmers practicing agroforestry in Jabalpur district (M.P.) in central India. . *Indian Jour. Of Agroforestry* Vol.13, (2) 33- 40. (2011),
- Composition, Structure and Floral diversity of Forest communities of Achanakmar- Amarkantak Biosphere reserve: A comparison and conservation implications. Proceedings of the 15th International Forestry and Environment Symposium. 26-27th Nov, 2010, University of Sri Jayewardene, Sri Lanka
- Productivity of Soybean and Wheat under five promising clones of *Populus deltoids* in Agrisiviculture system. *Plant Archives* Vol 6 (2) pp.567-571, 2006
- Effect of *Populus deltoids* clones on ecophysiology and yield of Soybean. *Range Management and Agroforestry* Vol 27 (2) pp 88-91 2006
- Rehabilitation of degraded land by integrated biological approach through agro-forestry models in Chhattisgarh region - A step towards afforestation of desert. *Jour of Arid land Studies* Vol. 14 S 73-76, 2004
- Vegetation development in a degraded area under bamboo-based Agro-Forestry system. *Indian Forester*, 126, 7, 2000
- Distribution of Ectomycorrhiza in tropical moist deciduous sal forest with relation to soil depth. *Jour. of Basic and Applied Mycology*. 2 (1) 116-121, 2003

Books:

Floristic Diversity of Achanakmar-Amakantak Biosphere Reserve", ISBN 978-3-659-23839-0, Bhavana Dixit, Rashmi Agarwal and Lalji Singh ,2013, LAP LAMBERT Academic Publishing, Germany