



Dr. Beena Sharma

Scientist 'C'

Division: Central Laboratory Facility

Qualification: M.Sc(Botany), Ph.D(Ecology, Botany)

Area of Specializations: Ecology (Botany)

Current Scientific Responsibilities:
1. Work related to Central Laboratory Facility
2. Project related to pollution control

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Research Publication:

1. Sharma Beena and Sharma K. "Phytosociological studies on the vegetation of sand dunes and sandy plains of Ajmer (Rajasthan)" Current Botany, 2011; 2 (10): 01 - 06.
2. Sharma Beena. "Health awareness in women with the use of traditional medicinal plants in district Raipur of Chhattisgarh" Journal of Eco-biotechnology, 2011; 3 (11): 15 - 17.
3. Sharma Beena and Sharma K. "Biological spectrum of the flora of Ajmer sand dunes" Elixir Appl. Botany, 2012; 44: 7367 - 7369.
4. Sharma Beena. "Litter pattern over sand dunes of Aravalli forest at Ajmer (Rajasthan)" Journal of Phytology, 2012;3 (4): 01 – 06.
5. Sharma Beena. "Decomposition of leaf litter and release of carbon and nitrogen content in experimental conditions" Journal of Ecobiotechnology, 2012; 52 – 57.
6. Sharma Beena, Gupta S. and Sharma K. "Natural folk remedy for menorrhagia" Journal of Information, Knowledge and Research in Humanities and Social Sciences, 2012; 2(1): 86 – 88.

7. Pande K. and Sharma Beena. "Seasonal variation and aero-mycological survey of Ratanpur monument" *Journal of Phytology*, 2012; 4(6): 05-06.
8. Sharma Beena and Sharma K. "Influence of various dominant trees on phytosociology of under storey herbaceous vegetation" *Recent Research in Science and Technology*, 2013; 5(2): 41 – 45.
9. Sharma Beena and Sharma K. "Nutrient accumulation in various plant parts of dominant tree species of three different localities" *Pakistan Journal of Biological Sciences*, 2013; 16(18): 965 – 968.
10. Sharma Beena and Sharma K. "Decomposition of leaf litter of some dominant species at sand dunes of Ajmer" *Trends in Life Sciences. An International Peer- Reviewed Journal*, 2013; 2(1): 9-14.
11. Parveen Shaista, Gupta S., Sharma Beena and Sharma K. "Survey of fungal diversity in water and its impact on human health" *Trends in Life Sciences. An International Peer- Reviewed Journal*, 2013; 2(2): 1 – 5.
12. Pande Kiran and Beena Sharma. "Diversity of monument deterioration causing fungi at Ratanpur fort" *Bioscience Research and Conservation Part II, LAP Lambert Academic Publishing*, 2015; 3 (7): 63-76.
13. Reddy Tejaswini, Beena Sharma and Amit Dubey. "Comparative study of heavy metal pollution in road side soil of Sarona and New Raipur Highway at district Raipur in Chhattisgarh" *IJGHC*, 2017; 7(1): 54-61.
14. Tiwari Varsha and Beena Sharma, Amit Dubey. "Phyto-toxic effects of various concentrations of Cu and Pb on the seed germination and seedling survival of *V. Radiate*" *International Journal of Trend in Research and Development*, 2018; 5 (4): 54 - 61.
15. Tapti Taran Mahilang, Soumitra Tiwari and Beena Sharma. "Study of physicochemical and functional properties of *Dioscorea bulbifera* (tuber) chips and their characterizations" *Journal of Pharmacognosy and Phytochemistry*, 2018; 7(6): 673 – 676.
16. Talreja Shikha, Beena Sharma, Amit Dubey. "Contamination of Heavy Metals in Water around the MSW Dump Site at District Raipur in Chhattisgarh" *World Journal of Research and Review*, 2019; 8 (2): 27-29.
17. Rohit Kumar Tiwari, Soumitra Tiwari, Praveen Kumar Tiwari and Beena Sharma. "Studies on the physico-chemical characteristics of traditional fermented rice (Basi)" *Journal of Pharmacognosy and Phytochemistry*, 2019, 8 (2): 1627-1631.
18. Jyoti Chaturvedi, Beena Sharma. "Bioremediation of metallic ions from aqueous solution" *International Education and Research Journal (IERJ)*, 2019; 5(9): 43-46.
19. Puja Chaturvedi, Beena Sharma. "An evaluation of vegetable extracts for phytoremediation of aqueous solution of lead" *International Journal for Innovative Research in Multidisciplinary Field*, 2019; 5(11): 33-36.
20. Shivam Mishra, Beena Sharma, Amit Dubey. "Analysis of some metallic impurities in Soft Drinks using Atomic Absorption Spectrometer" *International*

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21. Shreya Asna, Beena Sharma, Amit Dubey. "Bio-sorption of cadmium ions from aqueous solution using dried Eichhorniacrassipes" International Journal of Life Sciences, 2020; 8 (2): 474 - 478. www.ijlsci.in

Published in National Journal:

1. Sharma Beena. "Parthnium – A Report" ShodhPravah, 2004; 12-15.

Published in Proceedings:

1. Gupta S, Beena Sharma and K. Sharma. "Chemical conservation of biodeteriorated monuments of Chhattisgarh" Proceedings of International Conference on Advances in Chemical Engineering ICACE- 2013 at NIT Raipur, Chhattisgarh, 2013.
2. Sharma Beena, Dubey S., Sahu S., Shitt S., and Sharma K. "Extramural and Intramural Aeromycoflora of residential area in Dongargarh" Proceedings of National Conference on Microbial Diversity, Exploration, Conservation and Application, Bilaspur (CG), Feb.16th -17th, 2013.
3. Sharma K., Beena Sharma, S. Gupta, E. Chelak and S. Shit. "Periodic fluctuation of fungi near dam" Proceedings of National Seminar on Environmental Protection and Sustainable Development at RITEE, Raipur (CG), 16th February, 2013.