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Kurukshetra University, Kurukshetra

Qualification: MSc. PhD Zoology,
Research experience: 3 years PDF(WOS-A) DST
Teaching Experience: 13years
Specialization: Environmental biology, Vermitechnology,

Publications:

Research papers

1. Tripathi, G. **Bhardwaj., P.** & Suthar, S.S 2001. Current status of earthworm biodiversity in India. J.Ecophysiol. Occup. Hlth. (India).
2. Tripathi, G., Panwar, K. **Bhardwaj, P.** & Verma, P. 2001. Fenvalerate-Induced cellular and sub-cellular changes in liver and Kidney of *Funambulus pennant*. J.Exp. Zool (India)
3. Tripathi, G. & **Bhardwaj., P.** 2002. Carbofuran-Induced Modification in cellular activities and mineralization potential of an endemic earthworm, *Lampito mauritii*. Biochem. Cell. Arch. (India).
4. Tripathi, G. & **Bhardwaj., P.** 2004. Carbofuran-Induced Modification in cellular activities and mineralization potential of an endemic earthworm, *Lampito mauritii*. Biochem. Cell. Arch. (India)
5. Tripathi, G. & **Bhardwaj., P.** 2004. Comparative studies on biomass production, life cycles and composting efficiencies of *Eisenia fetida* (Savigny) and *Lampito mauritii* (Kinberg). Bioresource Technology Elsevier (U.S.A.)
6. Tripathi, G. & **Bhardwaj., P.** Decomposition of Kitchen waste amended with cow manure using an epigeic species (*Eisenia fetida*) and anecic species (*Lampito mauritii*). Bioresource Technology Elsevier (U.S.A.)
7. Tripathi, G. & **Bhardwaj., P.**2004. Impact of earthworm population on nutrient dynamics of different pedoecosystems in desert. Journal of Biological Memoirs.
8. Tripathi, G. & **Bhardwaj., P.** 2004 Earthworm diversity and habitat preferences in arid regions of Rajasthan. Z oos' Print Journal.

9. Tripathi, G. & **Bhardwaj., P. 2004.** Seasonal changes in population of some selected earthworm species and nutrient in cultivated agro ecosystem. *Journal of Environment Biology (India)*
10. Tripathi, G. & **Bhardwaj., P. 2005.** Management of organic wastes by earthworms *Eisenia fetida* and *Lampito mauritii* in arid environment. *J.Appl.Biosci.(India)*
11. Tripathi, G. & **Bhardwaj., P. 2005.** Biodiversity of earthworm resources of arid environment. *Journal of Environment Biology (India).*
12. Tripathi, G. & **Bhardwaj., P. 2005.** Impact of phorate and carbaryl on survival and macromolecuar contents of an earthworm *Lampito mauritii*. *J. Exp. Zool (India)*
13. Tripathi, G. & **Bhardwaj., P. 2008.** Chemical changes during vermi composting (*Eisenia fetida*) of cowdung. *J. Exp. Zool (India)*
14. Sharma, M.B., Suman Devi & **Bhardwaj. (2009).** Scanning Electron Microscopic Analysis of Taxonomic characters of two species of *Daphni*. *Electronic Journal of Environ. Sci.*
15. Sharma, M.B. & **Bhardwaj, P. 2011.** Physico-chemical characteristics of Mughal Canal, Karnal. *Electronic Journal of Environ. Sci.*
16. Sharma, R. & **Bhardwaj., P. 2014.** Earthworm Diversity in Trans-Gangetic Habitats of Haryana. India. *Res. J. Agriculture and Forestry Sci.*
17. **Bhardwaj Poonam*and** Sharma R.K . 2015. Vermicomposting efficiency of earthworm species from Eastern Haryana. *Journal of Entomology and Zoology Studies.*
18. **Bhardwaj Poonam*and** Sharma R.K . 2015. Recycling of mango leaf litter and cowdung using epigeic and anecic earthworms in mono-and mixed-culture vermireactors. *AmericanEurasianJ.Agric & Environ. Sci (International).*
19. **Bhardwaj Poonam*and** Sharma R.K . 2016 Effect of Vermiwash and Vermicompost on the Growth and Productivity of MoongDal. *Journal of Chemical,Biological and Physical Sciences*
20. **Bhardwaj Poonam*and** Sharma R.K . 2016. New records of earthworms from sugar-belt of Haryana. *The Bioscan.*
21. **Bhardwaj Poonam,** Sharma R.K & G. Tripathi. Taxonomic key of earthworms in semi-Arid region of Rajasthan. *The Bioscan*

- Books:**
1. Poonam Bhardwaj 2021. Book for Agriculture: Kenchu prakriti ka karishma. RAR Publication **ISBN978-93-90648-10-8**
 2. Rajnesh Kumar Sharma and Poonam Bhardwaj. 2018. Green Farming: Earthworms and Vermitechnology. RAR Publication. **ISBN978-81-936978-0-1**

Abstracts :

1. R.K. Sharma & **Bhardwaj Poonam** (2015) Earthworm fauna of Eastern Haryana and their efficiency through vermi-technology.

Conference on Translating Biodiversity Research into deliverables for human held on 19-20 March, 2015, Department of Zoology, Punjab University (**Prize in Poster Presentation**).

2. R.K. Sharma & **Bhardwaj Poonam** (2015) Vermiculture Technology: A boon for our farmers. XII Agricultural Science Congress on Sustainable Livelihood Security for Small holder Farmers 3-6-Feb 2015, ICAR- NDRI Karnal.
3. **Bhardwaj, P.** and Sharma M.(2011) Pesticides induced adverse effect on the morphology of earthworm. **XXII National Symposium on Chronobiology** held on March 5- 17, 2011 by Department of Zoology , Kurukshetra University, Kurukshetra.
4. **Bhardwaj, P.** and Sharma M. (2010) Efficiency of Earthworm (*E.fetida*) in Organic Waste Management. **National Conference on Environment Degradation& its Impact on Mankind** held on Nov. 19-20, 2010 by Department of Zoology, Punjabi University, Patiala.
5. **Bhardwaj, P.** and Sharma M. (2006) Earthworm biodiversity and vermiculture in arid region of Rajasthan, **National Seminar on Environmental stresses and Biodiversity** held in KVA DAV College for Women, Karnal on Nov 8-9 pp 75 (**Best Poster Award**)..
6. Tripathi, G. & **Bhardwaj, P.**(2001) Comparative studies on biogas slurry decomposition by *Eisenia fetida* and *Lampito mauritii* in arid environment. **71st Annual session of the National Academy of Science**, Pune, p. 12-13.
7. Tripathi, G. & **Bhardwaj., P.** (2001) Diversity of earthworm and soil bioresources of Rajasthan. **National Symposium on Soil Arthropods and their Management**, Agriculture Research Station, Jaipur, p. 68.
8. Tripathi, G. & **Bhardwaj, P.**(2000) Current Status of earthworm biodiversity in India. 21st Annual Session of the Academy of Environmental Biology, **Fauzabad**, p. 33.
9. Tripathi, G. & **Bhardwaj, P.**(2000) Scope of vermiculture biotechnology in desert region of Rajasthan. **National symposium on prospects and potentials of plant biotechnology in India in 21st Century**, Jodhpur, p. 171.
10. Tripathi, G. & **Bhardwaj, P.** Suthar, S.S (2000) Current status of earthworm bioresources, in Rajasthan, **National symposium on prospects and potentials of plant biotechnology in India in 21st Century**, Jodhpur, p. 170.

Article(s)

1. Tripathi, G. & **Bhardwaj, P.** (2005) Prakriti : Jeev Jagat-Kenchue Ki Bhaugami Upyogita. Vighan Pragati 4:15:18.
2. S.S. Suthar & **Bhardwaj, P.** (2000) Mrada Jeevon Ka Sanrakshan : Aaj Ki Avshyakta **Paryavaran** (New Delhi) 12:55-58.
3. Tripathi, G. & **Bhardwaj, P.** (1998) Vermitech : EK paryavaran jai Pradohyogiki **Paryavaran** (New Delhi) 10:52-55.

CHAPTERS

1. Tripathi, G. & **Bhardwaj, P.** (2004) Potentials of earthworm resources in environmental amelioration, **In : Potentials of Living Resources** (Ed. Tripathi, G and Kumar, A.), pp. 504-516, Discovery publishing House, New Delhi.
2. Tripathi, G. & **Bhardwaj, P.** (2003) Dynamic potentials of earthworms **In: Vermiresources Technology** (Ed. Tripathi, G) Discovery Publishing House, New Delhi, pp. 63-80.
3. Tripathi, G. & **Bhardwaj, P.** (2003) Biodiversity of vermiresources, **In : Vermiresources Technology** (Ed. Tripathi, G) Discovery Publishing House, New Delhi, pp.1-62.
4. Tripathi, G. & **Bhardwaj, P.** (2001) **Glimpses of earthworm resources of India.** **In: Current Trends in Wildlife Conservaton and Management** (Eds. Hosetti, B.B. and Venkateswarlu, M.), pp. 308-324, Daya Publishing House, New Delhi.

DELIVERED LECTURE CUM WORKSHOPS ON VERMICULTURE

1. Delivered an extension **Lecture on Vermiculture and its applications in agriculture** on 26 March 2011 organised by KVA DAV College for Women, Karnal.
2. Provide on -hand training to the students of lifesciences in a one day **workshop on Kitchen Waste Management and Vermicompost** on 29 September 2011 organised by KVA DAV College for Women, Karnal.
3. Delivered an extension **Lecture on waste management to rural people of Ghillour, District Yamunanagar farmers** (2014).
4. **Workshop** for school children **on Waste Management** in govt. middle school, Sagba village of Ambala (2014).