

Name: Dr. Poonam Bhardwaj
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Department of Zoology
Kurukshetra University, Kurukshetra

Qualification:
MSc. Ph.D Zoology, PDF(WOS-A) DST

Teaching Experience: 16 years

Specialization: Entomology, Environment Biology, Vermitechnology

Publications:

Total Impact Factor : 25.16

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Research papers

SNO	Title	Name of Authors	Name of Journal	Volume No	Year	Page	Impact factor
20	Eathworm as EcoFriendly Resources: A Review	Poonam Bhardwaj & Rajneeh K . Sharma	Int. J. Entomo. Res.	10(6)	2025	6-14	
19	New record, distribution, genetic diversity Genetic diversity of vermiresources and Composting potential of local earthworm Species from northern region of India	P. Bhardwaj and R.K. Sharma	Res. J. Agric. Sci	14	2023	44-51	UGC Naas rating 4.50
18	Taxonomic key of earthworms in semi- Arid region of Rajasthan	Bhardwaj Poonam, Sharma R.K & G. Tripathi	The Bioscan	12(3)	2017	1471-1474	
16	Effect of Vermiwash and Vermicompost on the Growth and Productivity of MoongDal	Bhardwaj Poonam and Sharma R.K	Journal of Chemical, Biological and Physical Sciences	6(4)	2016	1381-1388	
17	New records of earthworms from sugar-belt of Haryana	Bhardwaj Poonam*, Sharma R.K & R. Paliwal	The Bioscan	11(1)	2016	53-56	

14	Vermicomposting efficiency of earthworm species from Eastern Haryana.	.. Bhardwaj Poonam* and Sharma R.K.	<i>Journal of Entomology and Zoology Studies.</i>	3-3-82	2015	82	
15	Recycling of mango leaf litter and cowdung using epigeic and anecic earthworms in mono-and mixed-culture vermireactors.	Bhardwaj Poonam* , Sharma R.K & G. Tripathi	<i>AmericanEurasian J. Agric. & Environ. Sci. (International)</i>	15 (10):	2015	1996-2003	
13	Earthworm Diversity in Trans-Gangetic Habitats of Haryana,	Sharma, R. & Bhardwaj., P.	<i>India. Res. J. Agriculture and Forestry Sci.</i>	2(2)	2014	1-7	
12	Chemical changes during vermi composting (<i>Eisenia fetida</i>) of cowdung.	Bhardwaj, P. , Sharma, M. & Tripathi, G. (2008)	<i>J. Exp. Zool (India)</i>	2	2008	445-448	
9	Management of organic wastes by earthworms <i>Eisenia fetida</i> and <i>Lampito mauritii</i> in arid environment	Tripathi, G. & Bhardwaj., P. (2005)	<i>J.Appl.Biosci.(India)</i>	31	2005	150-159	
10	Biodiversity of earthworm resources of arid environment.	Tripathi, G. & Bhardwaj., P.	<i>Journal of Environment Biology (India)</i>	26	2005	61-71	0.70
11	Impact of phorate and carbaryl on survival and macromolecular contents of an earthworm <i>Lampito mauritii</i> .	Tripathi, G. & Bhardwaj., P	<i>J. Exp. Zool (India)</i>	8	2005	45-52	
4	Comparative studies on biomass production, life cycles and composting efficiencies of <i>Eisenia fetida</i> (Savigny) and <i>Lampito mauritii</i> (Kinberg)	Tripathi, G. & Bhardwaj., P.	<i>Bioresource Technology Elsevier (U.S.A.)</i>	92	2004	215-218	11.88
5	Decomposition of Kitchen waste amended with cow manure using an epigeic species (<i>Eisenia fetida</i>) and anecic species (<i>Lampito mauritii</i>)	Tripathi, G. & Bhardwaj., P.	<i>Bioresource Technology Elsevier (U.S.A.)</i>	92	2004	275-283	11.88
6	Impact of earthworm population on nutrient dynamics of different pedoecosystems in desert.	Tripathi, G. & Bhardwaj., P	<i>Journal of Biological Memoirs</i>	30	2004	86-94	
7	Earthworm diversity and habitat preferences in arid regions of Rajasthan.	Tripathi, G. & Bhardwaj., P. (2004)	<i>Z oos' Print Journal</i>	19	2004	1515-1519	
8	Seasonal changes in population of some selected earthworm species and nutrient in cultivated agro	Tripathi, G. & Bhardwaj., P. (2004)	<i>Journal of Environment Biology</i>	25	2004	221-226	0.70

	ecosystem		(India)				
3	Carbofuran-Induced Modification in cellular activities and mineralization potential of an endemic earthworm, <i>Lampito mauritii</i> .	Tripathi, G. & Bhardwaj., P)	Biochem. Cell. Arch. (India)	2	2002	75-81	
1	Current status of earthworm biodiversity in India	Tripathi, G. Bhardwaj., P. & Suthar, S.S	J.Ecophysial. Occup. HIth. (India)	1	2001	67-72	
2	Fenvalerate-Induced cellular and sub-cellular changes in liver and Kidney of <i>Funambulus pennanti</i>	Tripathi, G., Panwar, K. Bhardwaj, P. & Verma, P	J.Exp. Zool (India)	4	2001	21-24	

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** (2016) . Dr. S.S. Guarya Memorial Seminar on Recent advances in animal Reproduction held on 12 Oct . Departmemt of Zoology, Punjab Agricultural University, Ludhiana. (**Poster presentation**)
2. R.K. Sharma & **Bhardwaj Poonam** (2016) National conference on Evolving new horizons of zoological sciences in human welfare held on 23-24 in Department of Zoology, Kurukshetra University, Kurukshetra. (**Poster presentation**).
3. 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, Departmemt of Zoology, Punjab University (**Prize in Poster Presentation**).

4. 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. (**Poster presentation**)
5. **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.
6. **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.
7. **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**)..
8. 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.
9. 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.
10. . Tripathi, G. & **Bhardwaj, P.**(2000) Current Status of earthworm biodiversity in India. 21st Annual Session of the Academy of Environmental Biology, **Fauzabad**, p. 33.
11. 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.
12. . 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 jaivpradhyogiki **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.** Lal, V.B. (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 Venkteshwarlu, 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).