

## DEPARTMENT OF ZOOLOGY, M.D. UNIVERSITY, ROHTAK



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### 1. Educational qualifications:

Degree	Year of passing	University/Institution
PhD	1992	M.D.University
PG(MSc Zoology)	1985	M.D.University
UG	1983	M.D.University

**PhD Title**-"Studies on water pollution by the heavy metal cadmium and its effects on the teleost fish, *Channa punctatus*"

### 2. Career Profile:

Designation	Institution	Duration	
		From	To
Associate Professor	M.D. University	2006	to 2009
Professor	M.D. University	2009	-till date

### 3. Research advisory:

Specialization : **Environmental Impact Assessment & Animal Physiology**  
Subject(s) of Interest: **Toxicology, Fisheries**

No. of Ph.D. Awarded under direct supervision	10
No. of Ph.D. registered & working	04
No. of M. Phil.	03
No. of research papers published	54
Books/Proceedings	09
Other publications & Dissertations	12+20

### 4. Research Awards:

- Young Scientist Medal** By Indian Academy of Environmental Science, Hardwar.
- Ecorevier Award** by Indian Institute of Ecology and Environment, New Delhi.
- Young Scientist Award** by Academy of Environmental Biology, Lucknow.
- Fellow of Academy of Environmental Biology (FAEB)**- by Academy of Environmental Biology, Lucknow.

**5. Projects undertaken:**

Title of projects	Duration	Funding agency	Status	
			Completed	In progress
1. Studies on the impact of air pollution and occupational human health problems in Rohtak.	2years Sept.2001- Sept.2003	University Grant Commission, New Delhi.	Completed	-
2. Standardization of breeding and rearing technology of commercially important ornamental fishes in the local existing conditions.	3 years Jan.2001- Dec.2003	Dept. Of Science and Technology, New Delhi.	Completed	-
3. Impact assessment of water pollution by heavy metals on commercially important fresh water fishes of Rohtak (Haryana).as CoPI	3 years May,2002- May,2005	Indian Council of Agricultural Research, New Delhi	Completed	-
4. Impact of protein diet on stress protein induction in metal exposed fishes.	Minor -One year 2010	Dr RadhaKrishnan foundation fund, M.D.University, Rohtak	Completed	-
5. Effect of electro-magenetic radiation on reproduction of male rat.	3years July,2011- 2014	University Grant Commission, New Delhi, India	-	-

**6. Reviewer in Research journals:**

- i. Acta Hydrochim Hydrobiology ,USA.
- ii. Journal of Environmental Biology, Lucknow India,.
- iii. Himalyan Journal of Environmental Sciences, Hardwar, India
- iv. Journal of Research in Environmental Science and Toxicology,India.
- v. International Journal: Folia Zoologica.

**7. Life memberships of Academic bodies/Research societies:**

- i. Indian Science Congress Association, Kolkata ,India .
- ii. Indian academy of Environment Sciences, Hardwar, India.
- iii. Indian Academy of Environment Biology, Lucknow, India.

**8. Assistant editor in Research journals:**

- i. Proceedings of academy of environmental biology (Journal), Muzaffar Nagar,India.
- ii. Occupational hazard and health, Lucknow, India.

**9. Publications: A. Books:**

- i. Animal Physiology: Rastogi Publications, 1997.
- ii. Developmental Zoology: Rastogi Publications (English & Hindi Edition), 2003.
- iii. Animal Physiology and Biochemistry: Rastogi Publications, 2005.

**B. Research Articles: Reasearch Papers: Annexure –I**

<b>SNIP</b>	<b>1.13</b>
<b>SJR</b>	<b>0.088</b>
<b>Impact factor</b>	<b>12.26</b>
<b>Citation index</b>	<b>47</b>
<b>H index</b>	<b>2</b>

**C. Published Proceedings of National Seminars with ISBN Number as Convenor & Head of the Zoology Department**

Title of the Book	Publisher	ISBN No.	Year of Publication
Proceedings of national Seminar “Computing Life: Raw to Refined”	Department of Zoology	978-81-920945-0-2	2010
Proceedings of national Seminar “Internet: Applications in Research”	Department of Zoology	978-81-920945-1-9	2011
Proceedings of national Seminar “Challenges in combating diseases: Cause to cure”	Department of Zoology	978-81-920945-0-	2012

**10. Organized Programs as Organizing Secretary**

Activity	Venue	Year
National Symposium on “Environmental Toxicology”	Department of Biosciences, , MDU, Rohtak	1995
Workshop on Environment	Department of Biosciences, , MDU, Rohtak	2000
Seminar “Clean India-Green India”	Department of Biosciences, , MDU, Rohtak	2001
Environmental Awareness Programme	Department of Biosciences, , MDU, Rohtak	2001
NEAC Programme of State Government	Department of Biosciences, , MDU, Rohtak	2002

**11. Invitations from abroad**

- i. To join group of authors with Noyes Publisher Inc., New Jersey USA
- ii. To present research paper at Netherlands, Phoenix (USA), Seattle (USA) and recently (August, 2013) in Raleigh (USA).

**12. Broadcasting**

1. More than 40 programmes like discussion, debate, reports in Science topic broadcasted till date from All India Radio, Rohtak and national AIR, Delhi.
2. Star-Vision regional TV Channel, Rohtak Invited as subject expert in debate and discussions on current issues in science and society and broadcasted programmes.

**13. Other contributions**

**a) Assignments of MD University, Rohtak**

**Chairperson**, UG Board of Zoology

**Chairperson**, PG Board of Zoology

**Chairperson**, DRC Zoology

**Acted as:** Superintendent in –Chief for P.G Examination  
Centre Superintendent for P.G Examination  
Member of Committee for Entrance Examination for various M.Sc courses in Faculty of Life-Sciences.  
External Practical Examiner for UG Classes  
Member of screening committee for Faculty positions in Life Sciences  
Member Academic Council of University  
Ex Member of Unfair Means committee of University  
Member of Campus Sports committee  
University/Vice Chancellor nominee for appointments of Asstt.Prof.and for Teacher fellowship  
Convenor and member of Inspection committees for various Universities maintained colleges

**b) Assignments outside MD University, Rohtak**

External expert in UGBOS Zoology in Bhagat Phool Singh Mahila University, Khanpur  
Ph.D./MTech Thesis Examiner for Rajasthan University, Jaipur ; CCSUniversity,Meerut; Rohilkhand University,Bareilly ;GJUniv.Hisar, GKVV,Hardwar  
External Practical Examiner for PG Practicals in H.P. Summer Hill University, Shimla ; CCS University, Meerut; Rohilkhand University , Bareilly ; GKVV,Hardwar

**c) Honorary Expert Consultant** on academic Partnership for Excellence and Networks in Fisheries Education and Research by CIFE Mumbai(till 2015).

**d) CPCSEA** ,Govt of India nominated as Scientist from different Biological Disciplines in Institutional Animals Ethics Committee (IAEC) ,MDURohtak w.e.f. 17.12.2014 to 17.07.2017.

**e) Member Secretary,IAEC,MDURohtak** from 16.02.2015 to 17.07.2017

**f) Judge** in District,Inter District,State level Science Exhibition by various colleges.

**Annexure -I**

K.V. Sastry and **Vineeta Shukla**. Acute and chronic toxicity of some heavy metals to *Heteropneustes fossilis*. Threat Hab. 321-334 (1988).

K.V. Sastry and **Vineeta Shukla**. Effect of cadmium on the intestinal absorption on some nutrients in the teleost fish, *Channa punctatus*. Poll. Res. 9: 141-148 (1990).

K.V. Sastry and **Vineeta Shukla**. Toxic effects of cadmium on some biochemical and physiological parameters in the teleost fish *Channa punctatus*. Biojournal 2(2): 325-332 (1990).

K.V. Sastry and **Vineeta Shukla**. Effect of cadmium on a freshwater teleost fish. Jeevanti 8: 41-52 (1991).

K.V. Sastry and **Vineeta Shukla**. Effect of cadmium on the rate of oxygen uptake by the fish. J. Ecobiol. 5(4): 295-298 (1993).

K.V. Sastry and **Vineeta Shukla**. Uptake and distribution of cadmium in tissues of *Channa punctatus*. J. Enviorn. Biol. 1(2): 137-142 (1993).

- K.V. Sastry and **Vineeta Shukla**. Acute and chronic toxic effects of cadmium on some hematological, biochemical and enzymological parameters in the fresh water teleost fish, *Channa punctatus*. *Acta hydrochim. hydrobiol.* 22(4): 171-176 (1994).
- K.V. Sastry and **Vineeta Shukla**. Influence of protective agents in the toxicity of cadmium to a freshwater fish *Channa punctatus*. *Bull. Environ. Contam. Toxicol.* 53: 711-717 (1994).
- K.V. Sastry and **Vineeta Shukla**. Effect of water-borne cadmium and copper on the blood of fish. *Encyclopedia of Environmental Control Technology*. Vol. 11, Gulf Publishing Company, USA (1995).
- K.V. Sastry, P. Rathee, **Vineeta Shukla** and J.P. Hooda. Chemical characteristics of water and soil in village Chhara and portability of water. *Proc. Acad. Environ. Biol.* 8(2): 227-232 (1999).
- K.V. Sastry, Pratima Rathee and **Vineeta Shukla**. Ground Water Characteristics of Rohtak and Bahadurgarh. *Environment and Ecology*, 17(1): 108-115 (1999).
- K.V. Sastry, **Vineeta Shukla** and J.P. Hooda. Studies on heavy metals removal from waste water and wastewater treatment by *Lemna minor*. *Proc. Acad. Environ. Biol.* 9(2): 153-157 (2000).
- K.V. Sastry, **Vineeta Shukla** and Sharda Abusaria. Bicycle industry effluents and their impact on soil at Sonapat, Haryana. *Geobios* 27(4): 157-160 (2000).
- Vineeta Shukla**, Pratima Rathee and K.V. Sastry. Effect of toxicants on the intestine transport in fishes. *Him. J. Env. Zool.* 15(2): 129-136 (2001).
- K.V. Sastry, **Vineeta Shukla**, Sharda Abusaria and Pankaj Gill. Studies on the impact of bicycle manufacturing industry effluents on soils. *Poll. Res.* 20(2): 187-192 (2001).
- Vineeta Shukla**, P. Rathee and K.V. Sastry. Effect of cadmium individually and in combination with other metals on the nutritive value of freshwater fish, *Channa punctatus*. *J. Env. Biol.* 23(2): 105-110 (2002).
- Vineeta Shukla** and Krishan Kumar. Toxic Effects of pesticides on some biochemical parameters of two species of earthworms. *Him. J. Env. Zool.* 18(1): 73-80 (2004).
- Vineeta Shukla**, M. Dhankhar, J.P. Hooda and K.V. Sastry. Static bioassay on the relative toxicity of cadmium, copper and zinc on fish. *Him. J. Env. Zool.* 18(2): 169-172 (2004).
- Vineeta Shukla** and Krishan Kumar. Comparative study of the decomposition potential of earthworms *Amyntas gracilis* and *Metaphire posthuma*. *Environment and Ecology*, 23(1): 210-216 (2005).
- Vineeta Shukla**, M. Dhankhar, J.P. Hooda, and K.V. Sastry. Toxicity of Mixtures of water pollutants on fish. *Uttar Pradesh J. Zool.* 25(3): 279-283 (2005).
- Vineeta Shukla**, Sharda, M. Dhankar & K.V. Sastry. Water quality index for ground water affected with bicycle manufacturing industrial wastes: An environmental quality audit. *Indian J. Environ. Ecoplan.* 10(III): 839-844 (2005).
- Vineeta Shukla**, M. Dhankhar, and K.V. Sastry. Heavy metal toxicity on *Labeo rohita*. *J. Ecotoxicol. Environ. Monit.* 16(3): 247-250 (2006).

- Vineeta Shukla** and Krishnan Kumar. Effect of heavy metals on biochemical parameters of earthworm. *J. Eco. Biol.* 19(4) :347-354(2006).
- Vineeta Shukla**, Sharda, M. Dhankar & K.V. Sastry. Epidemiological studies on bicycle manufacturing industrial worker. *J Environ. Biol.* 28(3): 597-600 (2007).
- Vineeta Shukla**, M. Dhankhar, J. Parkash and K.V. Sastry. Bioaccumulation of Zn, Cu and Cd in *Channa punctatus*. *J Environ. Biol.* 28(2):395-397 (2007).
- Vineeta Shukla**, Sharda Abusaria and M. Dhankar. Bioaccumulation of heavy metals in tissues of fish, *Cyprinus carpio*. *Geobios* 35: 191-195 (2008).
- Vineeta Shukla**, Poonam Dalal and Dhruva Chaudahry. Impact of vehicular exhaust on ambient air quality of Rohtak city, India. *J. Environ Biol.* 31(6):929-932(2010).
- Vineeta Shukla** and Jyoti . Biodegradation of solid waste by indigenous earthworm species. *Proc. Computing Life: Raw to Refined*, 1:210-214 (2010).
- Vineeta Shukla** and Poonam dalal . Ambient air quality of Rohtak city on Diwali. *Proc. Computing Life:Raw to Refined*, 1:134-139 (2010).
- Vineeta Shukla** and Monika Dhankhar . Alteration in electrophoretic protein profile of different tissues of *L. rohita* in metal interaction along with dietary protein. *Proc. Computing Life: Raw to Refined*, 1:187-196 (2010).
- Vineeta Shukla** and Jyoti . Vermicomposting: A tool for bioconversion of solid waste: Sp. issue of *Environment & We (EWIJST)*,6(2):123-127(2011).
- Vineeta Shukla**, Jyoti, Meena Kumari Sharma and Pradeep Kumar. Effect of different substrates on the reproductive potential of local earthworm species *M. posthuma*. *Proc. Internet: Application in Research.* 95-97 (2011).
- Vineeta Shukla** and Monika Dhankhar. Copper and zinc combined toxicity with respect to dietary protein in freshwater fish, *Labio rohita*. *Proc. Internet: Application in Research.* 137-140 (2011).
- Vineeta Shukla** and Jyoti .A comparative study of life cycles of two indigenous species of earthworms. *J. Env. Bio Sci.*25 (1) :57-59 (2011).
- Vineeta Shukla** and Jyoti. Suitability of indigenous earthworm in different organic waste, new trends in life sciences.*Proc.of national seminar at Meerut.*83-89 (2011-12).
- Vineeta Shukla** and Jyoti. Biomangement of agriculture waste by indigenous earthworm *Metaphire posthuma*: *Proc. of International conference: Energy-Water- Waste Nexus for environmental management.* (2012).
- Vineeta Shukla**, Jyoti and Pradeep Kumar .Vermicomposting in management of organic waste. *Proc. Challenges in combating diseases:Cause to cure.* 92-97 (2012).
- Vineeta Shukla**, Meena K Sharma and Sultan Singh. *Proc.Challenges in combating diseases:Cause to cure.* 146-149 (2012).

**Vineeta Shukla** and Monika Dhankhar. Copper and zinc combined toxicity. Proc.Challenges in combating diseases:Cause to cure. 347-352 (2012).

Poonam Dalal, Dhruva Chaudhry and **Vineeta Shukla**. Analysis of heavy metals concentration in ambient air and human population of Rohtak, India. J.Environ.Biol. 34 (2013).

Seema Rani , Nitish Bansal and **Vineeta Shukla**. Earthworms:Ecofriendly environmental engineers. J Biol Earth Sci .3(1):89-92(2013).

**Vineeta Shukla**, Jyoti and Seema Rani. Vermicompost and waste management. Proc.Promising Trends in Science Galaxy (PTSG 2013).01-08(2013).

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Poonam Dalal, Vinay Malik,Dhruva Chaudhry and **Vineeta Shukla**. Concentration of Benzene, Toluene and Xylene (BTX) in Ambient air of Rohtak city, India.Environment Conservation Journal. 15 (1 & 2):83-87(2014), ISSN 0972-3099 (print) ,2278-5124 (Online). **Impact Factor: 0.58**

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**Vineeta Shukla** and Meena Kumari Sharma. Effect of dietary protein supplementation on nutritive value of fish *Labeo rohita*. Proc. Next Generation Sciences: Vision 2020 and Beyond (NGSV) 220-226 (2014).

Neha Dhankhar, Monika Dhankhar and **Vineeta Shukla**. Copper induced toxicity in *Labeo rohita* (Hamilton). Proc. Next Generation Sciences: Vision 2020 and Beyond (NGSV) 251-258 (2014).

**Vineeta Shukla**, Seema Rani and Jyoti. To study the effect of Heavy metal toxicity on earthworm species. Proc. Next Generation Sciences: Vision 2020 and Beyond (NGSV) 401-409 (2014).

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