

## FACULTY PROFILE



**1. Name** : Dr. Asha Kumari Verma

**2. Designation** : Assistant Professor

**3. Department** : Zoology

### 4. PG & Onward Qualification

Level	Name of University/Board	Year	Title/Remark/Medal
Ph.D.	JNV University, Jodhpur	2017	Toxicity study of a few pollutant on zooplankton and their impact assessment with special reference to textile based industries of Jodhpur.
GATE	IIT, Bombay	2020	-
CSIR-UGC NET-JRF	CSIR-HRDG, New Delhi	2014	-
SET	RPSC, Ajmer	2012	-
M.Sc. (Zoology)	MGS University, Bikaner	2008	-

### 5. Experience : Teaching/Research

<b>UG</b>	05	<b>PG</b>	03	<b>Research</b>	-
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### 6. Membership (Academic Bodies):

- Life Member of The Indian Science Congress

### 7. Workshop/ Training:

- Training on “Computer Graphics and Networking” at University Science Instrumentation Centre, J.N.V. University, Jodhpur from February 10<sup>th</sup> to 14<sup>th</sup> 2014.

- Training Course on “Village Level Aquifer Management Plan” sponsored by CGWB, Ministry of Water Resources, Govt. of India held at J.N.V. University, Jodhpur on March 19<sup>th</sup> 2013.
- Attended the Workshop on “An Introduction to Robotics and Its Applications” at University Science Instrumentation Centre, J.N.V. University, Jodhpur.

## **8. Conferences/Seminar:**

- Attended the National Seminar on Status of Environmental and Biodiversity: RIO +20 and role of Space Technology held at Gurukul Kangri University, Haridwar (U.K.) from Nov. 2<sup>nd</sup> and 3<sup>rd</sup> 2012.
- Attended the UGC sponsored national Conference on “Conservation of Desert Biodiversity” held at J.N.V. University, Jodhpur on March 6<sup>th</sup> 2013.
- Attended the UGC sponsored national Conference on “Climate change and Environment” held at Vidya Bhawan Rural Institute, Udaipur on Dec. 23<sup>rd</sup> to 24<sup>th</sup> 2013.
- Attended the National Conference on Diversity and Physiology of Desert Fauna organized by Department of Zoology, JNV University Jodhpur from Feb. 7-8, 2014.
- Attended the 84<sup>th</sup> Annual session of the National Academy of Sciences, India held at JNV University Jodhpur from Dec. 4-6, 2014.
- Attended the 102<sup>nd</sup> Indian Science Congress held at University of Mumbai, Mumbai from Jan. 3-7, 2015.
- Attended the 1<sup>st</sup> international conference on Lead, Environment and Health organized by All India Institute of Medical Sciences, Jodhpur from Oct. 26 – 27, 2015.
- Attended the 103<sup>rd</sup> Indian Science Congress held at University of Mysore, Mysuru from Jan. 3-7, 2016.
- Attended the National seminar on Faunal Diversity of the Desert Ecosystem organized by Desert Regional Centre, Zoological Survey of India, Jodhpur from March 11 – 12, 2016.

- Attended the 86<sup>th</sup> Annual session of the National Academy of Sciences, India held at Uttarakhand State Council for Science and Technology (UCOST), Dehradun from Dec. 2 - 4, 2016.
- Attended the International conference on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21<sup>st</sup> Century for Emergent Sustainable Development amongst SAARC Countries organized by Department of Zoology, M.L.S. University, Udaipur from Jan. 9 – 11, 2017.
- Attended an International conference on Emerging Challenges, Their Solutions and Recent Advances in Science by Government Science College, Sikar from Oct. 4-5, 2019.

## **9. Research Publications:**

### **Abstracts**

- A. Choudhary, Deepak Ojha. M. Kasim and Asha K. Verma (2013) Study of microorganism in industrial effluent treatment plant, cetps of Pali, Rajasthan; a case study. In national conference on Conservation of Desert Biodiversity held at J.N.V. University, Jodhpur.
- A. Choudhary, Asha K. Verma and M. Kasim (2013) Zooplankton and their role in toxicity study of textile industrial runoff in Jodhpur, Rajasthan. In National Conference on Climate change and Environment held at Vidya Bhawan Rural Institute, Udaipur.
- Asha K. Verma and A. Choudhary (2014). Impact of physicochemical parameters of industrial effluents on diversity of zooplanktons in Jodhpur, Rajasthan. In National Conference on Diversity and Physiology of Desert Fauna organized by Department of Zoology, JNV University Jodhpur.
- Anil Choudhary and Asha K. Verma (2016). Heavy metal toxicity in zooplankton population due to textile based effluent of Basni industrial area, Jodhpur (Rajasthan). In 103<sup>rd</sup> Indian Science Congress held at University of Mysore, Mysuru.
- A. Choudhary, Asha K. Verma and M. Kasim (2016). Study of zooplankton diversity and toxic effects due to industrial effluent pollutants in Jodhpur,

Rajasthan. In National seminar on Faunal Diversity of the Desert Ecosystem organized by Desert Regional Centre, Zoological Survey of India, Jodhpur.

- Verma A K, Kasim M and Choudhary A (2017). Lead toxicity induced on *Daphnia magna* spp. due to variation in temperature. In International conference on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21<sup>st</sup> Century for Emergent Sustainable Development amongst SAARC Countries organized by Department of Zoology, M.L.S. University, Udaipur.
- Asha K. Verma, Monika Yadav and Suchitra Jakhar (2019). Impact of temperature and pH on lead toxicity to freshwater zooplankton *Daphnia magna*. In International conference on Emerging Challenges Their Solutions and Recent Advances in Science held at Govt. Science College, Sikar (Rajasthan).

### **Research Papers**

- Asha K. Verma and Anil Choudhary (2015). Study of physicochemical parameters in textile based industrial effluent and their impact assessment on zooplankton as bioindicator species. JSER. 4 (1 & 2), pp 15-20.
- Asha K. Verma and Anil Choudhary (2017). Effect of heavy metal toxicity on zooplankton population based on dyes and printing industries in Jodhpur (Rajasthan). Biolife. 5(1), pp 69-73.

## **10.Publications: - Monograph/Book/Chapter/Chapter in study material of Open Universities**

- Chapter in study material of Vardhman Mahaveer Open University, Kota:
  - Biosystematics, structure and function of invertebrates (ISBN NO. 978-81-8496-548-9) - Unit - 8, 10
  - Biology of chordates, genetics and microbiology (unit 1, 3, 11)
  - Ecology, ethology and development biology (unit 4, 14)
  - Entomology-I Insect structure, function, systematics and ecology (ISBN NO. 978-81-8496-603-9) - Unit - 3, 5, 8
  - Entomology-II Toxicology of insecticides, applied and agricultural entomology (ISBN NO. 978-81-8496-604-6) - Unit - 2, 14, 17