

**DR. DEVENDRA KUMAR**  
(PhD (Zoology); M.Sc. (Zoology); M.Sc. (Microbiology))

**Assistant Professor**  
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**Research Area: Vector Biology and Control, Insect Cytology and Genetics, Microbiology**

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**ACADEMIC QUALIFICATIONS:**

- **Ph.D (Zoology)** in 2016 from Dept. of Zoology, MLSU, Udaipur (Raj.)
- **M.Sc. (Zoology)** in 2016 from VMOU, Kota (Raj.) with 74.60% of Marks.
- Qualified “**SET-2013**” of Rajasthan from Life Science with 72.57% of marks.
- **Post PG Diploma (Food & Health Security)** in 2011 from MDSU, Ajmer (Raj.)
- **M.Sc. (Microbiology) in 2016** from MDSU, Ajmer (Raj.) with 67.42% of Marks.
- **B.Sc.** in 2008 from UOR, Jaipur with 70.66% of Marks.

**PROFESSIONAL SYNOPSIS:**

<b>Experience</b>	7.5 Years Teaching Experience in UG & 4.5 Years in PG Classes and 10 Years Experience in Research & Development.
<b>Publications</b>	14 in Various National, International & Conference Proceedings and Chapters in Books
<b>Chapters Published</b>	02
<b>Patent Published</b>	02
<b>Research Projects (Ongoing)</b>	01
<b>Conferences/Webinars Attended/ Paper Presented/Resource Person</b>	More than 35
<b>Trainings/Workshop/Orientation/ Refresher/FDP</b>	More than 15
<b>Supervising PhD Research Scholars</b>	05

**TEACHING & ORGANISATIONAL EXPERIENCE:**

- Working as **Assistant Professor** in the Department of Zoology, Mohanlal Sukhadia University, Udaipur (Raj.) from May, 2018 to till date.
- Worked as **Entomologist/Demonstrator** (for UG & PG Medical students) in the Department of Community Medicine & Family Medicine, AIIMS, Jodhpur (Raj.) from January, 2017 to May, 2018
- Worked as **District Vector Borne Disease Consultant** in the Department of Medical, Health & Family Welfare, Govt. of Rajasthan (CMHO, Bharatpur) from November, 2016 to January 2017.

## HONOUR & AWARDS:

- Awarded for “Best Poster Presentation” in the NATIONAL WORKSHOP ON RECENT TRENDS IN TAXONOMY fully sponsored by Zoological Survey of India & Botanical Survey of India, Ministry of Environment, Forest and Climate Change, Govt. of India (January 10 - 11 2019) held at DRC ZSI, Jodhpur Rajasthan, India.
- Selected from Rajasthan state for 15 days training programme of 3rd DST-SERB SCHOOL IN INSECT BIOLOGY fully sponsored by DST, New Dehli (October 22nd - November 5th 2017 at St. Joseph’s College, Devagiri, Calicut, Kerala, India.
- Awarded “National Post Doctoral Fellowship” (N-PDF) in 2017 by DST-SERB, New Delhi in University of Rajasthan, Jaipur (host institute).
- Awarded UGCBSR-JRF Meritorious Fellowship in 2013 & UGCBSR-SRF in 2015.

## RESEACH PROJECTS:

1. Working on a Research Project entitled “**Surveillance and Insecticide Resistance Mapping against Mosquitoes of Malaria, Dengue and Chickungunya in Southern Rajasthan and Bacterial Bio-pesticide as an Urgent Alternate tool for Resistance Management and Vector Control**” under RUSA 2.0 Scheme as Co- Principal Investigator (**Budget Cost: 1,19,80,000/- Rs.**).

## PATENTS PUBLISHED:

S.No	Journal Name	Title Of Invention	Patent Application No.	Status	Date	Patent Office Journal No.	Page No.
1.	Intellectual Property India, Ministry of Commerce & Industry	Artificial Intelligence Based Healthcare Model For Serving Rural People In India	201911053342	Published	27/12/2019	52/2019	62858-62859
2.	Commerce & Industry	Tourism and Handicraft Industry Management System For Rural People	202011013639A	Published	01/05/2020	18/2020	17787

## PAPERS PUBLISHED:

1. **Devendra Kumar** and Saha Dev Jakhar: Abundance and distribution of chigger mites (Acari: Trombiculidae) in India: A review: *International Journal of Entomology Research* Jan.-2021; 6(1): 107-109.

2. Priyansh Mathur, **Devendra Kumar** and Arti Prasad: Laboratory and field evaluation of *Streptomyces indiaensis* (Gene Bank Accession Number: AJ781344.1) against Malaria Vector: *Anopheles stephensi* (L.) *Proceedings of International Conference on Eco Friendly and Socially Responsive Economy and Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries*, Udaipur, 09-11 January 2017. ISBN: 978-81-301-0082-1 (2017):57-66.

3. **Devendra Kumar**, Ashok Kumar and Arti Prasad: Community Knowledge, Attitude and Practice towards Vector-borne diseases (Malaria) in Tribal belts of Rajasthan (India): A Review. *Proceedings of International Conference on Eco Friendly and Socially Responsive Economy and*

*Equity: Issues and Challenges of 21st Century for Emergent Sustainable Development amongst SAARC Countries*, Udaipur, 09-11 January 2017. ISBN: 978-81-301-0082-1 (2017):76-85.

4. Arti Prasad, **Devendra Kumar** and Azra Parveen: Morphological Analysis of Salivary Gland in three Important Mosquito Genera (*Anopheles stephensi*, *Culex quinquefasciatus* and *Aedes aegypti*): *International Journal of Current Research and Academic Review* February- 2016; 4(2): 328-334.

5. Arti Prasad, Priyansh Mathur, Megha Shrivastava, Esha Sharma, Ajra Parveen and **Devendra Kumar**: Ecology and Behaviour of *Anopheles culicifacies* sensu lato (s.l.)-A General review: *International Journal of Current Research and Academic Review* May- 2015; 3(5): 227-241.

6. Arti Prasad, Priyansh Mathur and **Devendra Kumar**: A new bacterial strain *Streptomyces indiaensis* (LMG 19961) and its larvicidal and histopathological effect against *Anopheles stephensi*: A malaria mosquito. *International Research journal of Biological Sciences* ISSN: 2278-3202 Vol. 4(4), 43-48, April (2015).

7. Arti Prasad, **Devendra Kumar**, Esha Sharma and Priyansh Mathur: Isolation, Identification and Characterization of bacterial isolates from soil samples and their possible role in the management of malaria vector *Anopheles stephensi* (L.) *International Journal of Recent Scientific Research* ISSN: 0976-3031 Vol. 5, Issue, 12, pp.2332-2336, December, 2014.

8. Arti Prasad, Priyansh Mathur, Megha Shrivastava, **Devendra Kumar** and Esha Sharma: Larvicidal efficacy of *Catharanthus roseus* linn leaves and flowers against the malaria vector *Anopheles stephensi* liston (Insecta: Diptera: Culicidae). *International Journal of Recent Scientific Research* ISSN: 0976-3031 Vol. 5, Issue, 9, p.1620-1623, September, 2014.

9. Priyansh Mathur, Esha Sharma, Sangeeta, Megha Srivastava, **Devendra Kumar** & Arti Prasad: Evaluation of larvicidal potency of Entomopathogenic bacteria isolated from soil on larval population of malaria mosquito, *Anopheles stephensi* (L.). *Journal of Herbal Medicine & Toxicology* ISSN: 0973-4643: 8(1) 23-26 (2014).

10. Megha Srivastava, Priyansh Mathur, **Devendra Kumar**, Esha Sharma, Sangeeta & Arti Prasad: Plant Bioresources against Malaria Mosquitoes: A Review. *Journal of Herbal Medicine & Toxicology* ISSN: 0973-4643: 8(1) 76-80 (2014).

11. **Devendra Kumar**, Priyansh Mathur, Megha Srivastava, Esha Sharma and Anjana Intodia: Knowledge, Attitude and Practice towards Malaria in Malaria Endemic Areas of Udaipur District, South Rajasthan (India). *Proceedings of Vector and vector borne diseases Challenges in 21st century. Their global impact and strategic management* ISBN: 978-93-82880-62-2 (2013):169-176.

12. Esha Sharma, Priyansh Mathur, **Devendra Kumar**, Megha Srivastava and Arti Prasad: Larvicidal Activity of *Moringa oleifera* Leaves against Human Malaria Vector *Anopheles stephensi* Liston (Insecta: Diptera: Culicidae). *Proceedings of Vector and vector borne diseases Challenges in 21st century. Their global impact and strategic management* ISBN: 978-93-82880-62-2 (2013):117-122.

13. Arti Prasad, Swati Bhanawat, **Devendra Kumar**, Anjana Intodia, Esha Sharma and Megha Shrivastava: Ovicidal Activity of some Easily Available Plants against Eggs of Anopheline Mosquitoes. *Proceedings of Vector and vector borne diseases Challenges in 21st century. Their global impact and strategic management* ISBN: 978-93-82880-62-2 (2013):90-95.

14. Arti Prasad, **Devendra Kumar**, Megha Srivastava, Esha Sharma, Priyansh Mathur: Soil Bacteria and their Possible Role in Mosquito Control: A Short Review. *World Journal of Environmental Biosciences Eurasian Publication* eISSN 2277- 8047, (2012) Volume 2, Issue 1: 40-48.

#### **CHAPTERS PUBLISHED IN EDITED BOOK:**

1. Megha Shrivastava and **Devendra Kumar** “The Potential Of Artificial Intelligence In Public Health Care Industry” Impact Of Artificial Intelligence On Organizational Transformation; *Scrivener Publishing Wiley* (Accepted in 2020).
2. **Devendra Kumar** and Saha Dev Jakhar “Artificial Intelligence In Animal Surveillance And Conservation” Impact Of Artificial Intelligence On Organizational Transformation; *Scrivener Publishing Wiley* (Accepted in 2020).