



**Centre/School/Special Centre: Life Sciences**

**Department: Zoology**

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**Dr. Manish Kumar Tripathi**  
**Assistant Professor**

**Qualifications: M. Sc., Ph. D.**

**Area of Interest/Specialization: Immunology and Endocrinology**

**Experience: 09 Years**

**Awards and Honors**

S.N.	Name of Award	Awarding Agency	Year
1	CSIR NET for LS	CSIR-UGC	2006
2	Junior Research Fellow (JRF)	CSIR	2007
3	GATE	Department of Secondary and Higher Education, MHRD	2007
4	Senior Research Fellow (SRF)	CSIR	2010

**Research Projects**

Start-up grant from UGC worth 600000.00 INR has been sanctioned in the year 2015.

**International Collaboration/Consultancy**

## List of Publications

S. N.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Alka Singh, Ramesh Singh & <b>Manish Kumar Tripathi</b>	Evaluation of the sex steroids mediated modulation of leucocyte immune responses in an ophidian <i>Natrix piscator</i>	Current Research in Physiology	5	355-360	2022
2.	Ajay Kumar Bhardwaj , Rakesh Kumar Chandra, Atanu Kumar Pati & <b>Manish Kumar Tripathi</b>	Seasonal immune rhythm of leucocytes in the freshwater snakehead fish, <i>Channa punctatus</i>	Journal of Comparative Physiology: Part B (IF-2.23)		doi.org/10.1007/s00360-022-01460-7	2022
3.	Tumul Singh, Ramesh Singh, and <b>Manish Kumar Tripathi</b>	Seasonal Variation in Hematological and Histomorphological Parameters in the Garden Lizard, <i>Calotes versicolor</i>	Journal of Stress Physiology and Biochemistry	18(2)	49-58	2022
4.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Photoperiodic regulation of splenocytes immune responses in the fresh water snake, <i>Natrix piscator</i>	Developmental and Comparative Immunology (IF-3.636)	132	https://doi.org/10.1016/j.dci.2022.104403	2022
5.	Rakesh Kumar Chandra, Ajay Kumar Bhardwaj & <b>Manish Kumar Tripathi</b>	Evaluation of triazophos induced immunotoxicity of spleen and head kidney in fresh water teleost, <i>Channa punctata</i>	Comparative Biochemistry and Physiology, Part C (IF-3.228)		doi.org/10.1016/j.cbpc.2021.109029	2021
6.	Ajay Kumar Bhardwaj , Rakesh Kumar Chandra & <b>Manish Kumar Tripathi</b>	Analysis of suppressive effects of pesticide triazophos on leucocyte immune responses in a teleost, <i>Channa Punctatus</i>	Drug and Chemical Toxicology (IF-3.356)		doi.org/10.1080/01480545.2021.1886306	2021
7.	Alka Singh, Ramesh Singh & <b>Manish Kumar Tripathi</b>	Photoperiodic manipulation modulates the innate and cell mediated immune functions in the fresh water snake, <i>Natrix piscator</i>	Scientific Reports (IF-4.379)		doi.org/10.1038/s41598-020-71777-2	2020
8.	Sunita Patel, Meghmala Choudhary, Rakesh Kumar Chandra, Ajay Kumar Bhardwaj and <b>Manish Kumar Tripathi</b>	Sex steroids exert a suppressive effect on innate and cell mediated immune responses in fresh water teleost, <i>Channa punctatus</i>	Developmental and Comparative Immunology (IF-3.636)	100	doi.org/10.1016/j.dci.2019.103415	2019
9.	Alka Singh, <b>Manish Kumar Tripathi</b> and	Melatonin Modulates Leukocytes Immune Responses in Fresh-Water Snakes, <i>Natrix piscator</i>	Journal of Herpetology (IF-1.03)	50(1)	130-137	2016

	Ramesh Singh					
10.	<b>Manish Kumar Tripathi</b> , Ramesh Singh and Atanu Kumar Pati	Daily and Seasonal Rhythms in Immune Responses of Splenocytes in the Freshwater Snake, <i>Natrix piscator</i>	Plos One (IF-3.234)	10(2)	DOI:10.1371/journal.pone.0116588	2015
11.	Alka Singh, <b>Manish Kumar Tripathi</b> , Ramesh Singh and Atanu Kumar Pathi	Circadian rhythmicity in leucocytes immune responses in freshwater snake, <i>Natrix piscator</i>	Biological Rhythm Research (0.695)	46(2)	doi.org/10.1080/09291016.2014.966502	2014
12.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Melatonin modulates splenocytes immune responses in the freshwater snake, <i>Natrix piscator</i>	Herpetological Conservation and Biology (0.595)	9(2)	257-266	2014
13.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Differential suppressive effects of testosterone on immune function in fresh water snake, <i>Natrix piscator</i> : An <i>in vitro</i> study	Plos One (IF-3.234)	9(8)	doi:10.1371/journal.pone.0104431	2014
14.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Seasonal variation and innate immune responses of spleen in fresh-water snake <i>Natrix piscator</i> .	Journal of Stress Physiology and Biochemistry	10	292-300	2014
15.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Influence of photoperiod and melatonin on spleen of fresh-water snake <i>Natrix piscator</i>	Proceedings of Zoological Society of India	11(2)	17-21	2012
16.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Effect of photoperiod and melatonin on splenocytes proliferation in fresh-water snake <i>Natrix piscator</i>	The Bioscan	7(2)	197-200	2012
17.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Melatonin effect on nitrite production by splenic macrophages in fresh-water snake <i>Natrix piscator</i>	National Journal of Life Sciences	9(1)	15-16	2012
18.	<b>Manish Kumar Tripathi</b> and Ramesh Singh	Photoperiodic stress on nitrite production by splenic macrophages in fresh-water snake <i>Natrix piscator</i>	Journal of Stress Physiology and Biochemistry	8	145-151	2012

### Recent Books/Book Chapters/Monographs etc.

S.No.	Title	Author's Name	Publisher	Year of Publication
1	Vertebrate Immune System from Reptilian Perspective	Manish Kumar Tripathi	Lambert Academic Publishing	2016

### Research Supervision

Awarded: 02

### Administrative Responsibilities

1. Programme Officer NSS