

## Dr. Manish Kumar Tripathi

Assistant Professor

Department of Zoology

Guru Ghasidas Vishwavidyalaya (A Central University)

Bilaspur, C. G.

Contact No.: +91-9026068226

E-Mail Id: [manish10.t@ggu.ac.in](mailto:manish10.t@ggu.ac.in)

### Academic Qualification

- Ph. D. in Zoology

### Papers Published in SCI Journal

S. N.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Ajay Kumar Bhardwaj, Rakesh Kumar Chandra & <b>Manish Kumar Tripathi</b>	Role of triazophos in modulation of leucocyte immune responses in snakehead teleost, <i>Channa punctatus</i>	Discover Animal	02	1-13	2025 (Sep)
2.	Sheena Farheen Khan, Sushant Kumar Verma and <b>Manish Kumar Tripathi</b>	Circadian rhythmicity in the head kidney and spleen cells in snakehead teleost, <i>Channa punctatus</i>	Biospectra	20(1)	1-4	2025 (Mar)
3.	Rakesh Kumar Chandra, Ajay Kumar Bhardwaj, Neha Gupta, Devendra Kumar Patel & <b>Manish Kumar Tripathi</b>	In vitro triazophos suppresses innate and cell-mediated immune responses of lymphoid organs in snakehead fish, <i>Channa punctatus</i>	Comparative Immunology Reports	8	<a href="http://doi.org/10.1016/j.cirep.2025.200198">http://doi.org/10.1016/j.cirep.2025.200198</a>	2025 (Jan)
4.	Alka Singh, Ramesh Singh, Arti Parganiha & <b>Manish Kumar Tripathi</b>	Annual rhythm in immune functions of blood leucocytes in an ophidian, <i>Natrix piscator</i>	Scientific Reports (IF-4.996)		<a href="https://doi.org/10.1038/s41598-024-63033-8">https://doi.org/10.1038/s41598-024-63033-8</a>	2024 (May)
5.	Rakesh Kumar Chandra, Ajay Kumar Bhardwaj, Atanu Kumar Pati & <b>Manish Kumar Tripathi</b>	Seasonal Immune Rhythms of head kidney and spleen cells in the freshwater Teleost, <i>Channa punctatus</i>	Fish and Shellfish Immunology Reports	5	<a href="https://doi.org/10.1016/j.fsi.2023.100110">doi.org/10.1016/j.fsi.2023.100110</a>	2023 (July)
6.	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 (Sep)
7.	Ajay Kumar Bhardwaj, Rakesh Kumar	Seasonal immune rhythm of leucocytes in	Journal of Comparative		<a href="https://doi.org/10.1007/s00">doi.org/10.1007/s00</a>	2022 (Aug)

	Chandra, Atanu Kumar Pati & <b>Manish Kumar Tripathi</b>	the freshwater snakehead fish, <i>Channa punctatus</i>	Physiology: Part B( <b>IF-2.23</b> )		360-022-01460-7	
8.	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 (Jun)
9.	<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 ( <b>IF-2.9</b> )	132	<a href="https://doi.org/10.1016/j.dci.2022.104403">https://doi.org/10.1016/j.dci.2022.104403</a>	2022 (Mar)
10.	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 ( <b>IF-4.52</b> )		<a href="https://doi.org/10.1016/j.cbpc.2021.109029">doi.org/10.1016/j.cbpc.2021.109029</a>	2021 (Mar)
11.	Ajay Kumar Bhardwaj, Rakesh Kumar Chandra & <b>Manish Kumar Tripathi</b>	Analysis of suppressive effects of pesticides triazophos on leucocyte immune responses in teleost, <i>Channa Punctatus</i>	Drug and Chemical Toxicology ( <b>IF-2.6</b> )		<a href="https://doi.org/10.1080/01480545.2021.1886306">doi.org/10.1080/01480545.2021.1886306</a>	2021 (Feb)
12.	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 ( <b>IF-4.996</b> )		<a href="https://doi.org/10.1038/s41598-020-71777-2">doi.org/10.1038/s41598-020-71777-2</a>	2020
13.	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 ( <b>IF-2.9</b> )	100	<a href="https://doi.org/10.1016/j.dci.2019.103415">doi.org/10.1016/j.dci.2019.103415</a>	2019
14.	Alka Singh, <b>Manish Kumar Tripathi</b> and Ramesh Singh	Melatonin Modulates Leukocytes Immune Responses in Fresh-Water Snakes, <i>Natrix piscator</i>	Journal of Herpetology ( <b>IF-1.43</b> )	50(1)	130-137	2016
15.	<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 ( <b>IF-3.752</b> )	10(2)	<a href="https://doi.org/10.1371/journal.pone.0116588">doi:10.1371/journal.pone.0116588</a>	2015
16.	Alka Singh, <b>Manish Kumar Tripathi</b> , Ramesh Singh and	Circadian rhythmicity in leucocytes immune responses in freshwater	Biological Rhythm Research( <b>1.3</b>	46(2)	<a href="https://doi.org/10.1080/09291016.2014">doi.org/10.1080/09291016.2014</a>	2014

	Atanu Kumar Pati	snake, <i>Natrix piscator</i>	<b>62)</b>		4.966502	
17.	<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 <b>(0.958)</b>	9(2)	257-266	2014
18.	<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 <b>(IF-3.752)</b>	9(8)	doi:10.1371/journal.pone.0104431	2014

### **Papers Published in Non-SCI and Scopus Journals**

•	<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
•	<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
•	<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
•	<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
•	<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

## **Conference attended**

<b>S. No.</b>	<b>Details of Conference/Seminar/FDP and Organizing Institution</b>	<b>Category/Type of Event</b>	<b>Date</b>	<b>Invited Talk/Paper/Poster Presented</b>
1.	International Tropical Ecology Congress organized by Hemwati Nandan Bahuguna University, Srinagar and International Society for Tropical Ecology.	International (within country)	02-05 Dec., 2007	Poster Presentation
2.	Workshop on Application of Molecular Biology Techniques in Reproductive Biomedicine at NIHFW, New Delhi.	National	18-29 Oct., 2010	-
3.	SERC School in Chronobiology III: Clocks, Rhythms & Behaviour at University of Delhi.	National	24 Dec., 2010 - 07 Jan., 2011	-
4.	Workshop on High Performance Liquid Chromatography organized by MRD Life Sciences, Lucknow.	National	20-21 Aug., 2011	-
5.	National Colloquium on Recent Advances in Molecular and Cellular Endocrinology at BHU, Varanasi	National	23-25 Sep., 2011	Poster Presentation
6.	22 <sup>nd</sup> All India Congress of Zoology & National Seminar on "Recent Advances in Biological Sciences: Biodiversity and Human Welfare" organized by University of Lucknow & Zoological Society of India, Bodh Gaya.	National	29-31 Dec., 2011	Oral Presentation
7.	International Symposium on Comparative Endocrinology and Stress Physiology organized by ISCE, IASP & University of Kerala	International (within country)	16-18 Feb., 2012	Oral Presentation
8.	"5 <sup>th</sup> Conclave/ INSPIRE Internship Program" MHRD-DST Initiative at IIIT, Allahabad	National	08-14 Dec., 2012	-
9.	National workshop on Alternatives to Use of Animal Sacrifice in Life Science Education For Teachers at Guru Ghasidas Vishwavidyalaya, C.G.	National	24-25 Aug., 2013	-
10.	National Workshop on "Molecular Updates in biological Sciences" organized by Guru Ghasidas Vishwavidyalaya, C.G.	National	25 Jan., 2014	-
11.	International Symposium on Reproductive Biology and comparative Endocrinology, BHU, Varanasi.	International (within country)	25-27 Feb., 2015	Poster Presentation
12.	International Symposium on Integrative Physiology and Comparative Endocrinology (ISIPCE) & Brain-storming session on Geno-Eco-Neuroendocrinology & 34 <sup>th</sup> Annual Meeting of the Society for Reproductive Biology and Comparative	International (within country)	12-14 Feb., 2016	Poster presentation

	Endocrinology (SRBCE) organized by Institute of Science, BHU, Varanasi.			
13.	Workshop on “Intellectual Property Rights, IP Commercialization and Prevention of Plagiarism” organized by C.G. Council of S&T, Raipur and Guru Ghasidas Vishwavidyalaya.	National	26-27 Feb., 2016	-
14.	International Conference on Reproductive Biology and Comparative Endocrinology and 35 <sup>th</sup> Annual Meeting of The Society for Reproductive Biology and Comparative Endocrinology organized by University of Hyderabad, Hyderabad.	International & National	09-11 Feb., 2017	Oral Presentation
15.	International symposium on Recent Advances in Comparative Endocrinology organized by Madras Christian College, Chennai.	International	29 Nov., - 01 Dec., 2017	Poster Presentation
16.	International Symposium on Environmental, Educational and Biological Research for Human Welfare organized by Society for Educational Development and Environmental Research, Varanasi in association with Institute of Agricultural Sciences, BHU & Dr. Ghanshyam Singh P.G. College, Varanasi.	International	25-26 March, 2018	Invited Talk
17.	International Conference on Emerging Researches in Bioscience organized by Guru Ghasidas Vishwavidyalaya, C.G.	International (within country)	28-30 Oct., 2018	Oral Presentation
18.	National Conference on Research Development in Fisheries (NCRDF-2019) organized by Baba Saheb Bhimrao Ambedkar University, Lucknow	National	07-08 Nov, 2019	Oral Presentation
19.	International Virtual Conference on Covid-19 and Infectious Diseases in Relation to Public Health: Perspectives and Challenges, organised by Department of Zoology, Career Point University, Himachal Pradesh	International (within country)	May 31, 2020	Oral Presentation
20.	International Webinar on New Horizons in Cancer Biology and Therapeutics organized by S.V. University, Tirupati	International (within country)	06-07 Feb., 2021	-
21.	International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development organized by University of Delhi	International (within country)	24-26 March, 2021	Oral Presentation
22.	International Webinar on Neuronal and Hormonal Intervention in Stress Integrated Behaviour organized by Sagour University, M. P.	International (within country)	29-30 Nov., 2021	Oral Presentation
23.	National Seminar on Recent Trends in Zoological Sciences organized by	National	Dec 11-13, 2021	Invited Talk

	Department of Zoology, Udai Pratap Autonomous College Varanasi			
24.	Workshop on Multiple Entry/Exit for Professional Courses as a Step Towards National Education Policy Implementation organized by Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G.	National	18 Dec., 2021	-
25.	Satellite Conference of Society for Alternative to Animal Experiment-India	National	Nov 27, 2021	-
26.	One day workshop on Multiple entry/exit for professional courses as a step towards National Education Policy Implementation	National	Dec 18, 2021	-
27.	4 <sup>th</sup> International Conference on Entrepreneurship, Innovation and Leadership organized by Amity University, Noida	International (within country)	20-22 Jan, 2022	Oral Presentation
28.	International Webinar on Advanced Research Work for Strengthening Rural People	International (within country)	Feb 25, 2022	-
29.	International Conference on Impact of Climate Change with Special Reference to Challenges and Approaches in Applied Zoology, Biodiversity Conservation, Food and Health Security	International (within country)	June 5-7, 2024	Invited
30.	International Conference on Endocrinology, Metabolism, and Reproduction: Exploring New Frontiers	International (within country)	October 22 to 25, 2024	Invited

## **Book Published**

- **Manish Kumar Tripathi**, Vertebrate Immune System from Reptilian Perspective, Lambert Academic Publication.
- **Manish Kumar Tripathi**, Rakesh Kumar Chandra, Ajay Kumar Bhardwaj, Sheena Farheen Khan and Swati Shree, Fish Immune System: Seasonal Variation, Hazards and Significance.

## **Book Chapter Published**

- Manish Kumar Tripathi, A Review of Covid-19: Facts and Challenges, Epidemiology and Transmission of Infectious Diseases [ISBN: 978-93-5407-406-6]

## **Research Projects (Funded)**

- **Modulation of innate immune response mediated by cells of head kidney and its hormonal correlates (sex steroids) in freshwater teleost, *Channa punctatus***

Role: Principal Investigator

Funding Agency: UGC

Grant Received: 06 Lakhs

## **Experience in Administration:**

- NSS Programme Officer, Zoology Unit, GGV Bilaspur
- Member, Unnat Bharat Abhiyaan, GGV Bilaspur
- NEP Coordinator, School of Studies of Life Sciences, GGV Bilaspur
- ADSW, School of Studies of Life Sciences, GGV Bilaspur



**Dr. Manish Kumar Tripathi**