



Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur

Accredited A⁺⁺ by NAAC

Academic Audit

**(Evaluation Report of Department / Institute for Academic Session 2024-2025
from 01 July 2024 to 30 June 2025)**

Department/Institute: Zoology

1. Academic Programmes offered:

S. No.	Name of Programme	Sanctioned Strength of Students	Number of Students admitted
1	B. Sc (all semesters)	120	154
2	M Sc (Zoology) Ist Year	68	68
	M Sc (Zoology) II Year	65	62
3	M Sc (Environmental Science) Ist Year	50	46
4	M Sc Environmental Science II Year	24	19
5	M Sc (Aquaculture) Ist Year	50	15
6	M Sc Aquaculture II Year	22	20
7	Ph D Program	43+7+2	52

2. Details of Teaching Staff:

S. No.	Name of Professor	Name of Associate Professor	Name of Assistant Professor
	Prof. Ajay Singh	Dr. Mahendra Pratap Singh	Dr. Ram Pratap Yadav
	Prof. Veena Batra Kushwaha		Dr. Sushil Kumar
	Prof. Ravi Kant Upadhyay		Dr. Sunil Kumar Singh
	Prof. Vinay Kumar Singh		Dr. Smita Singh
	Prof. Keshav Singh		Dr. Arundhati Singh
			Dr. Sunaina Gautam
			Dr. Manish Pratap Singh

3. Details of Non-Teaching Staff:

S. No.	Name of Class III Staff	Name of Class IV Staff
	Shri Mahesh Prasad	Shri Pradip Kumar Shukla
	Shri Rajender Pasad	Shri Ashwini Kumar Tripathi
	Shri Chandra Kant Chaubey	Shri Raghav Nishad
	Shri Raviprakash Tripathi	Shri Shreeram
	Shri Sharad Chand Anand	Shri Dayashankar Singh
		Shri Ram Pravesh Yadav
		Shri Sandeep Kumar
		Shri Sunil Kumar

4. Curriculum changes carried out:

S. No.	Programme	Details of the changes
S. No.	Programme	Details of the changes
1.	B.Sc	Four year syllabus prepared
	B.Sc	SEC (3) papers and AEC (4) papers
2.	B.Sc	Four year honors course syllabus prepared
	M.Sc	One year and two-year syllabus

1. Ph.D. Supervision:

S. No.	Name of Faculty Member	Name of Ph.D. students presently working	Qualified at NET/GATE	Type of Fellowship
1	Prof. Ajay Singh	Arpita Singh		
		Vivek Gaur		
2	Prof. Veena B. Kushwaha	Prakirnika Mishra		
		Shashank Singh		
		Ritu Jaiswal	NET	
		C.B. Singh		
		Rabiya Begum		NET/JRF
3	Prof Ravi Kant Upadhyay	Apoorva Dubey		
		Arfiya Fatima		
4	Prof. Vinay Kumar Singh	Prachi Tripathi		
		Sidheswari Singh		
		Akanksha Srivastava		
		Ankita Dikshit	NET	

5	Prof . Keshav Singh	Shruti Rai		
		Vinita Singh		
		Garima Yadav		
		Abhishek Kumar Gupta		
6	Dr. Mahendra Pratap Singh	Raksha Gupta	NET-JRF	
7	Dr. Ram Pratap Yadav	Rani Gupta		
8	Dr. Sushil Kumar	Nandini Singh		NET/JRF
		Anil Kumar		
		Suraj Prasad		NET/JRF
9	Dr. Sunil Singh	Manoj Kumar		
		Utkarsh Kumar Mishra		
10	Dr. Smita Singh	Km Jishu Rao		
11	Dr. Arundhati Singh	Vinay Kumar Singh		
12	Dr. Sunaina Gautam	Shalu Rai		
13	Dr. Manish Pratap Singh	Anshu Yadav	NET	

Number of Ph.D. students presently working (till date)	Number of students awarded Ph.D. degree (2023)	Number of students submitted Ph.D. thesis (2023-2024)
28	01-	08

2. Postdoc Mentorship:

S. No.	Name of Postdocs presently working	Name of Mentor	Type of Fellowship
	Nil		

3. Students Placed: (Govt. Non- Govt. & Self-employed all)

S. No.	Roll No.	Name of Student	Passing Year	Name of organization/ company	Post/ Designation	Type of Organization	Pay Package
1		Ashwini Rao	2023-24	Anique biosolutions	Assistant manager technical and Sales	PSO	4 lakhs
2		Rahul Gautam	2023-24	Godrej Agrovvet Ltd	Officer sales	PSO	4 lakhs
3.			2023-	Digistain	Clinical Laison	PSO	5.8 Lakh

			24				
4.		Devendra Kumar Gupta	2023-24	under Government of Bihar, Secondary Education	BPSC Teacher	Govt	3.8 lakh

Note:- Provide the same appointment letters.

4. Publications:

(i) Total number of publications -

A. Research papers in UGC CARE List Group II –

Journals indexed in globally recognised databases [Web of Science (Art & Humanities Citation Index, Social Science Citation Index, Science Citation Index Expanded) / Scopus / MLA].

S. No.	Title of Paper	Name of Author(s)	Journal Name, Volume, Page No. (Year)	ISSN No.	Impact Factor
1.	Leveraging the Current State of On-Site Water Treatment Plants with Reference to 30 MLD Plant Gorakhpur: Charting the Trends, Challenges, and Future Plans	Deepshikha Gupta, Ajay Singh.	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	2024,11,11 Indexing In All Major Database & Metadata 7.95(IF)
2.	Unveiling the Complexity of Fish Diversity in River Aami	Arpita Singh, Ajay Singh	International Journal of Scientific Development and Research(IJSDR)	2455-2631	2025,10,1, 10.2139/ssrn.5117509 Indexing In All Major Database & Metadata 9.15(IF)
3.	SUSTAINABILITY CHALLENGES OF THE AAMI RIVER: A HOLISTIC REVIEW	Arpita Singh, Sunil Kumar Singh, Ajay Singh	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	2025,12,1 Indexing In All Major Database & Metadata 7.95(IF)
4	Effect of bait formulation containing binary mixture of carbohydrate and amino acids on the Behavioural Responses of snail <i>Lymnaea acuminata</i>	S.P. Singh, Ajay Singh, Ram Pratap Yadav	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	2025,12,1 Indexing In All Major Database & Metadata 7.95(IF)
5	Toxicity of Ricin and Alkaloid Atropine containing bait formulation against the freshwater snail <i>Lymnaea acuminata</i>	S.P. Singh, Ram Pratap Yadav, Ajay Singh	International Journal of Research Trends and Innovation	2456-3315	2025,10,2 Indexing In All Major Database & Metadata 8.14(IF)
6	Performance Evaluation of 30MLD Sewage Treatment Plant (STP) at Gorakhpur	Deepshikha Gupta, Ajay Singh.	International Research Journal of Engineering and Technology	2395-0072	2025,12,5 Indexing In All Major Database & Metadata 8.315(IF)

7	Bifenthrin-induced alterations in liver and brain biochemical markers of zebrafish, <i>Danio rerio</i>	Chandra Bhushan Singh, Badre Alam Ansari and Veena Batra Kushwaha	Journal of Pharmacognosy and Phytochemistry	E-ISSN: 2278-4136 P-ISSN: 2349-8234	2025 Vol. 14, Issue 3: 356-362
8	A Comprehensive review on phytochemistry and pharmacological aspects of <i>Achyranthes aspera</i> Linn.- A traditional medicinal herb	Ritu Jaiswal and Veena B Kushwaha	World Journal of Pharmacy and Pharmaceutical Sciences	2278 – 4357	2025, Vol.14, Issue 03, 1330-1349
9	The synergy of exercise and a planned diet in mitigating oxidative stress	Sanchita Kushwaha and Veena B Kushwaha	International Journal of Physiology, Nutrition and Physical Education	2456-0057	2025 Vol. 10, Issue1: 211-217
10	Therapeutic potential of <i>Achyranthes aspera</i> on the haematological parameters of rats exposed to monosodium glutamate	Ritu Jaiswal and Veena B Kushwaha	Journal of Pharmacognosy and Phytochemistry	E-ISSN: 2278-4136 P-ISSN: 2349-8234	2025 Vol.14, Issue 3: 144-148
11	Protective Effect of Amla (<i>Embllica officinalis</i>) Fruit Pulp Extract and Selenium on Dimethoate Induced Alterations in Biochemical Parameters of Liver in Rats	Fatma Nikahat, Kushwaha V.B., Srivastav Sunil K., Suzuki Nobuo and Srivastav Ajai K	International Journal of Zoological Investigations	2454-3055	2024 Vol. 10, Issue 2: 1159-1170
12	Toxicity of an Organophosphate Ethion, a Synthetic Pyrethroid Bifenthrin and Neem Based Formulation Neem Care on Zebrafish, <i>Danio Rerio</i>	Chandra Bhushan Singh, Badre Alam Ansari and Veena Batra Kushwaha	CIBTech Journal of Zoology,	2319–3883 Online	Vol.13, pp.342-348,
13	Toxic Effects of Dimethoate on Animal	Nikahat Fatma, Kushwaha V. B. and Srivastav Sunil K	World Journal of Pharmaceutical Research	2277–7105,	2024 Vol. 13, Issue 1:1802-1811
14	Efficacy of turmeric (<i>Curcuma longa</i>) extract and selenium against <i>Nerium indicum</i> induced toxicity in the kidney of Wistar	Chaudhary Krishma, Chand Dineshwar, Kushwaha Veena Batra and Srivastav Sunil Kumar	International Journal of Zoological Investigations	2454-3055	2024 Vol. 10, No. 2: 572-581
15	Status of Economic Losses and Health Impact of the Tick Bites on Farm, Field and Dairy Animals	Prof. Ravi Kant Upadhyay & Nidhi Yadav	Acta Scientific Medical Sciences 8(12):172-184	(ISSN: 2582-0931)	DOI: 10.31080/ASMS.2024.08.1980 Web of Science(Clarivate Analysis) Scopus
16	PHYTOCHEMISTRY, THERAPEUTIC AND PHARMACOLOGICAL POTENTIAL OF <i>NERIUM OLEANDER</i> L.	Prof. Ravi Kant Upadhyay.	International Journal of Green Pharmacy 2024:vol 8 no. 4	ISSN:- P-ISSN - 0973-8258 E-ISSN - 1998-4103	https://doi.org/10.22377/ijgp.v18i03.3588 Web of Science(Clarivate Analysis) Scopus

17	NUTRITIONAL, THERAPEUTICAL, AND PHARMACEUTICAL USES OF PAPAYA: A REVIEW	Prof. Ravi Kant Upadhyay.	International Journal of Green Pharmacy 18(1):21-39	ISSN:- P- ISSN - 0973-8258 E- ISSN - 1998-4103	DOI: https://doi.org/10.22377/ijgp.v18i03.3591 2024:vol 8 no. 4
18	Plant origin contraceptives: phytochemistry, mechanism of action and side effects	Prof. Ravi Kant Upadhyay	International Journal of Green Pharmacy 18(1):21-39	ISSN:- P- ISSN - 0973-8258 E- ISSN - 1998-4103	DOI: https://doi.org/10.22377/ijgp.v18i01.3535
19	Nutritional, therapeutic, and pharmaceutical potential of Hibiscus species,	Prof. Ravi Kant Upadhyay	International Journal of Green Pharmacy 17(4):294.	ISSN:- P- ISSN - 0973-8258 E- ISSN - 1998-4103	DOI: https://doi.org/10.22377/ijgp.v18i02.3563
20	Anticancer and anti-HIV activity of Nerium oleander the Kaner plant: A comprehensive review	Prof. Ravi Kant Upadhyay	International Journal of Green Pharmacy	ISSN:- P- ISSN - 0973-8258 E- ISSN - 1998-4103	DOI: https://doi.org/10.22377/ijgp.v18i02.3563 2024:vol 18 no. 2
21	Effect of the extract of <i>Morus alba</i> bark and <i>Abrus precatorius</i> seeds and their active components on the reproductive pattern in fresh water snail <i>Lymnaea acuminata</i> .	Km Suman and Vinay Kumar Singh	CIBTech J of Zoology	2319-3883	Year 2024 Vol. 13 Page 619-629
22	PTX Inhibits Migration and Inflammatory Mediators in MCF-7 Breast Cancer Cells. Current Research in Complementary and Alternative Medicine	Kriti Bhardwaj, Karishma Niveria, Vinay Kumar Singh, Anita Kamra Verma and Kapinder	Current Research in Complementary and Alternative Medicine	2577-2201	2024 8 (3) 253-261 IF: 2.381 Clarivate
23	Chemical and Pharmacological Activities of Rape Seed Mustard <i>Brassica nigra</i> (Black Mustard): A Magic Herb	Arundhati Singh and Vinay Kumar Singh	Asian J Biol. Sci.,	1996-3351	2025 18 (1) 43-54
24	Comprehensive review of <i>Adansonia digitata</i> (Kalpvriksha): Ethnobotany, Phytochemistry, and Potential Applications	Arun Kumar Srivastava, Arundhati Singh and Vinay Kumar Singh	Alger. J. of Biosciences	2773-2916	2024 5(1) 13-23
25	Juvenile Hormone Analogue and Management	Yadav Priyanka, Singh Keshav	International Journal of Zoological	ISSN: 2454-	Web of Science

	of Rice Moth, <i>Corcyra cephalonica</i> Staint. (Lepidoptera: Pyralidae)	and Tiwari, S.K	Investigations, 2024, 10(1):10-17	3055	
26	Effect of Different Combination of Buffalo Dung with Sugarcane Bagasse on Reproduction and Growth of <i>Lampito Mauritii</i> Kinberg during Vermicomposting	Anjali Singh and Keshav Singh	CIBTech. 13: 131-140	ISSN: 2319–3883	Web of Science
27	Vermicomposting: A technology for vermiremediation of heavy metals from sewage sludge and animal dung	Deepak Kumar Bhartiya, Gorakh Nath and Keshav Singh	International Journal of Recycling of Organic Wastes in Agriculture (IJROWA)	ISSN: 2251-7715	Scopus
28	Heavy Metals in the Environment: Bioremediation Technique Utilizing Earthworms for Remediating Heavy Metal-Contaminated Soil	Nishat Fatima, Anjali Singh, Pankaj Kumar Singh, Amarendra Kumar Pandey, and Keshav Singh	International Journal of Zoological Investigations. 10(2): 387-409.	ISSN: 2454-3055	Web of Science
29	Effect of different combinations of feed material of cattle dung with kitchen waste on reproduction of earthworm <i>Eutyphoeus waltoni</i> Michaelsen	Nazia Siddiqui and Keshav Singh	CIBTech Journal of Zoology, 13: 277-287.	ISSN: 2319-3883	Web of Science
30	Effect of Different Combination of Buffalo Dung with Sugarcane Bagasse on Reproduction and Growth of <i>Lampito mauritii</i> Kinberg during Vermicomposting	Anjali Singh and Keshav Singh	CIBTech Journal of Zoology, 13: 131-140.	ISSN: 2319-3883	Web of Science
31	Potential Combinations of Biological Wastes for Growth and Reproduction of Earthworm <i>Lampito mauritii</i>	Garima Yadav and Keshav Singh	International Journal of Zoological Investigations. 10(2): 1009-1028.	ISSN: 2454-3055	Web of Science
32	The Potential Mechanism and the Role of Antioxidants in Mitigating Oxidative Stress in Alzheimer's Disease.	Naik RA...Singh MP*, Singh SK	<i>Frontiers in BioSciences Landmark</i> 30(2):25551	2768-6698	3.1
33	Optimized QuEChERS Methodology for Reliable LC-MS/MS Quantification of Sertraline and Fluoxetine Hydrochloride in Biological Samples.	Sharma, P., Singh, S., Singh, C., Singh, P., Singh, M. P., Pandya, P., and Singh, J.	<i>Natr Resour Human Health</i> 2024: 1-7	2583-1194	Scopus SJR 0.17 http://dx.doi.org/10.53365/nrfhh/190932
34	Inferring microarray datasets reveals critical biomarkers and potential drug targets of Parkinson's disease.	Bhardwaj, A., Obaid, A.A., Khan, A.A., Singh, M.P., Jalal, M.M., Mohammedsaleh, Z.M., Moawadh,	<i>Neurology Asia</i> , 29(4). 2024	1823-6138	Scopus SJR 0.16

		M.S., Alsanie, W.F., Alamri, A.S., Alhomrani, M. and Alsharif, A.			
35	The Potential Mechanism and the Role of Antioxidants in Mitigating Oxidative Stress in Alzheimer's Disease.	Naik RA...Singh MP*, Singh SK	<i>Frontiers in BioSciences Landmark</i> 30(2):25551	2768-6698	3.1
36	Chemical, pharmacological and medicinal properties of euphorbious plants <i>Codiaeum variegatum</i> : A Review	Ram P.Yadav and Ajay Singh	New York Science Journal	1554-0200	2024, 17(4): 1-8
37	Molluscicidal effect of binary (1:1) of aqueous stem bark extracts with active constituents of <i>Euphorbia tirucalli</i> on freshwater snail <i>Indoplanorbis exustus</i>	Reshmina Firoz Khan, Ram P. Yadav and Ajay Singh	European Journal of Biomedical and Pharmaceutical Sciences	2349-8870	2024, 11(8): 167-172
38	Changes in the metabolism of freshwater snail <i>Lymnaea acuminata</i> due to aqueous extract of stem bark of molluscicidal plant <i>Euphorbia tirucalli</i>	Reshmina Firoz Khan and Ram P. Yadav	World News of Natural Sciences	2543-5426	2024, 56: 25-35
39	Conservations of fish species; safe guarding the aquatic diversity	Arpita Singh, Ram P. Yadav and Ajay Singh	International Journal for Research Trends and Innovation	2456-3315	2025,10(2) 5-8
40	OVIPOSITION RESPONSES OF <i>PLUTELLA XYLOSTELLA</i> TO ALPHAMETHRIN AND CHLORPYRIFOS UNDER PEST MANAGEMENT STRATEGIES	Taheera Ansari, Sushil Kumar*	CIBTech Journal of Zoology	2319–3883	2024, Vol 13, Indexing: Web of Science
41	Assessment of Lethal Dose of Frequently used Synthetic Insecticides Alphamethrin and Chlorpyrifos against the Larva of Diamondback Moth (<i>Plutella xylostella</i> L.)	Taheera Ansari, Sushil Kumar*	International Journal of Zoological Investigations	2454-3055	2024, Vol 10, Issue 2, Web of Science, DOI: https://doi.org/ 10.33745/ijzi.2024.v10i02.039
42	Non-tuberculous Mycobacteria, drug-resistant and extra-pulmonary tuberculosis: Challenges and advancing algorithms for tuberculosis elimination in India by 2025	Nandini Singh, Amresh Kumar Singh, Ashwini Kumar Mishra, Sushil Kumar	Microbes and Infectious Diseases	2682-4140	2024, DOI: 10.21608/ mid.2024.327655.2290, Scopus indexed,
43	LARVICIDAL ACTIVITY OF <i>Parthenium hysterophorus</i> EXTRACTS, PREPARED IN HEXANE, ACETONE	Sanjeev Kumar, Sushil Kumar*	Applied Biological Research	0974-4517	2024, Vol 26, Issue 4, Web of Science, DOI: 10.48165/abr.2024.26.01.54

	AND METHANOL SOLVENTS AGAINST <i>Aedes aegypti</i> MOSQUITO				
44	Prevalence and Genetic Profiling of Second-line Drug Resistant Tuberculosis at the Tertiary Care Center of Northern India	Nandini Singh, Amresh Kumar Singh, Sushil Kumar*, Akanksha Chaudhary, Ashwini Mishra, Narendra Pratap Singh	Current Microbiology	1432-0991	2025, Vol 82, Issue 4, Scopus, Impact Factor: 2.6, DOI: https://doi.org/ 10.1007/s00284-025-04152-x
45	Prevalence and Genetic Analysis of Isoniazid-Resistant Tuberculosis in Eastern Uttar Pradesh, India	Nandini Singh, Amresh K Singh, Sarita Sarita, Sushil Kumar*, Ashwini K Mishra, Narendra P Singh	Cureus	2168-8184	2025, Vol 17, Issue 3, PMC, Web of Science, Impact Factor: 1.1, DOI: 10.7759/cureus.80243
46	Adequate Method of Hepatitis C Virus (HCV) RNA Quantitation and Geographical Distribution of Subjects in Eastern Uttar Pradesh: Findings from a Tertiary Care Hospital	Vivek Gaur, Amresh Kumar Singh, Bechan Kumar Gautam, Sushil Kumar, Ankur Kumar, Shashwat Srivastav	Acta Scientific Microbiology	2581-3226	2025, Vol 8, Issue 4, DOI: 10.31080/ASMI.2025.08.1505
47	Molluscicidal and Piscicidal properties of three medicinal plants of family Apocynaceae – a review	Sunil K. Singh, Shailendra K. Singh, Ajay Singh	International Journal of Creative Research Thought	2320-2882	12(7): 796-804; IF: 7.97
48	Assessment of river Aami's water quality: Physico chemical characteristics and implications	Arpita Singh, Sunil Kumar Singh, Ajay Singh	World Journal of Pharmaceutical Research	2277-7105	14(3): 1429-1437; IF (SJIF): 8.45
49	Role of Indian Diet and Pranayama during COVID Pandemic	Smita Singh	International Journal of Science and Research (IJSR)	ISSN: 2319-7064	2023, Volume 12 Issue 4, April DOI: 10.21275/SR23221144115
50	NMR based Serum metabolomics revealed metabolic signatures associated with oxidative stress and mitochondrial damage in brain stroke	Sachin Yadav Abhai Kumar Smita Singh Shahnawaz Ahmad Gurvinder Singh Abdul Rahman Khan Rameshwar Nath Chaurasia Dinesh Kumar	Metabolic Brain Disease	15737365, 08857490	https://doi.org/10.1007/s11011-023-01331-2 Impact factor 3.53
51	Unravelling Neuroinflammation-Mediated Mitochondrial Dysfunction in Mild Cognitive Impairment: Insights from Targeted Metabolomics	Rimjhim Trivedi, Smita Singh, Vivek Singh, Sachin Yadav, Avinash Chandra Singh, Anup Singh, Rameshwar Nath Chaurasia, Abhai Kumar, Dinesh Kumar.	Brain Organoid and System Neuroscience Journal	2949-9216	2024 https://doi.org/10.1016/j.bosn.2024.10.001

52	The Loss of Nutrition and Sleep Duration in Old Age Population are Invitation to Multiple Diseases	Smita Singh, Abhai Kumar and Anup Singh	RASSA Journal of Science for Society	2583-3715	6(2): 63-66, August 2024 DOI: 10.5958/2583-3715.2024.00010.7
53	The exposure risk of pollution on Water Birds of Eastern Uttar Pradesh	Smita Singh	International Journal of Zoology Studies	ISSN: 2455-7269	Volume 10, Issue 1, 2025, Page No. 18-24
54	Chemical and Pharmacological Activities of Rape Seed Mustard Brassica nigra (Black Mustard): A Magic Herb	Arundhati Singh and Vinay Kumar Singh	Asian Journal of Biological Sciences	(1996-3351)	https://ajbs.scione.com/newfiles/ajbs.scione.com/943/943-AJBS.2025.DOI:10.3923/ajbs.2025.43.54
56	Comprehensive review of <i>Adansonia digitata</i> (Kalpvriksha): Ethnobotany, Phytochemistry, and Potential Applications	Arun Kumar Srivastava, Arundhati Singh and Vinay Kumar Singh	Alger. J. of Biosciences	2773-2916	2024 5(1) 13-23
57	Investigating the Genetic Impact of Pioglitazone on Insulin Sensitivity in Human Adipocyte Stem Cells,	Dr. Sunaina Gautam, Dr. M. K Ahmad, Dr. Monisha Banerjee,	International Journal of Science and Research (IJSR),	ISSN-2319-7064	1, January 2025 Volume 14 Issue, pp. 305-311, DOI: https://www.doi.org/10.21275/SR25105163035
58	ACSL4-mediated H3K9 and H3K27 hyperacetylation upregulates SNAIL to drive TNBC metastasis	Sinha A, Saini KK, Chandramouli A, ...Singh MP,, Datta D.	Proceedings of the National Academy of Sciences		Vol (121 (52) e2408049121)Doi. 10.1073/pnas.2408049121 9.4

B. Research papers in UGC CARE List Group I –

Journals found qualified through UGC-CARE protocols.

S. No.	Title of Paper	Name of Author(s)	Journal Name, Volume, Page No. (Year)	ISSN No.	Impact Factor

C. Research papers in the peer reviewed journals –

S. No.	Title of Paper	Name of Author(s)	Journal Name, Volume, Page No. (Year)	ISSN No.	Impact Factor
1	Arthropod derived venoms: Natural source of Anti-HIV drug molecules:A review	Prof. Ravi Kant Upadhyay	ACTA SCIENTIFIC MICROBIOLOGY		DOI: 10.31080/ASML.2024.07.1415 August 2024 Web of Science

2	Indian Paper Wasp <i>Ropalidia Marginata</i> Venom Toxin Peptides Induced Effects on Glycogen Level in Liver, Gastrocnemius Muscle, Rectus Abdominis, Atria and Ventricle in Albino Mice	Simran Sharma and Upadhyay, R. K (2024).	Global J Infect Dis Immune Ther 6 (3): 155	ISSN: 2694-3824	DOI: https://doi.org/10.36266/GJIDIT/155 Web of Science
3.	Impact of nanoparticles on the environment and earthworm: A comprehensive review	Nishat Fatima, Pankaj Kumar Singh, Anjali Singh and Keshav Singh	<i>Munis Entomology & Zoology</i> . 19(2):711-726.	ISSN: 1306-3022	- NAAS Rating
4.	Vermicomposting: an ecofriendly approach towards solid waste management	Pankaj Kumar Singh, Anjali Singh, Nishat Fatima and Keshav Singh	<i>Munis Entomology & Zoology</i> . 19(2): 749-770.	ISSN: 1306-3022	- NAAS Rating
5.	Effect of different combinations of feed material of cattle dung with kitchen waste on growth rate of earthworm <i>Eutyphoeus waltoni</i> Michaelsen	Nazia Siddiqui and Keshav Singh	International Journal of Zoology and Applied Biosciences, 9(5): 60-67.	ISSN: 2455-9571	NAAS Rating

(ii) Book Chapters -

S. No.	Title of Chapter, Page No.	Name of Author(s)	Title of Book	Publisher	ISBN No.
1	Piscicidal Activity of <i>Thevetia peruviana</i> Latex against Freshwater Fish in Laboratory and Cement Plastering Pond Conditions	Prof. Ajay Singh	Contemporary Research and Perspectives in Biological Science Vol. 3	BP International ISBN: 9789348119575	International
3.	Production and Therapeutic Applications of Monoclonal Antibodies in Cancer and Other Diseases	Dr. Sushil Kumar	Microbial Enzymes: Production, Purification and Industrial Applications Pages: 535-568	Wiley-VCH GmbH	ISBN: 9783527352906 International
4.	Role of host genetic makeup in SARS-CoV-2 infection and severity of COVID-19	Dr. Sushil Kumar	Applied Research in Biological and Medical Sciences Pages 138-149	MKSES Publisher Lucknow India ISBN: 978-81-19746-61-3	National
5.	Major Diagnostic Techniques and their Applications for abolishing the Tuberculosis from India	Dr. Sushil Kumar	Applied Research in Biological and Medical Sciences Pages 125-137	MKSES Publisher Lucknow India	National ISBN: 978-81-19746-61-3

6.	Potential Therapeutic Effects of Natural Derived Bioactive Compounds in Sleep Disorders	Dr. Smita Singh	A Review on Diverse Neurological Disorders	Elsevier Academic Press	INTERNATIONAL ISBN 978-0-323-95735-9
7.	Micro biome and cognitive health	Dr. Smita Singh	Micro biome, Immunity, Digestive Health and Nutrition Epidemiology, Path physiology, Prevention and Treatment	Elsevier Academic Press	INTERNATIONAL ISBN: 978-0-12-822238-6 Page no. 265-269
8.	Principles of Zoology	Dr. Smita Singh	Book International Journal of Zoology Studies	International Journal of Zoology Studies International Journal of Zoology Studies	ISSN: 2455-7269

(iii) Book(s) / Monograph -

S. No.	Title of Book/ Monograph	Name of Author(s)	Publisher	ISBN No.

(iv) Book(s) Edited -

S. No.	Title of Book	Name of Author(s)	Publisher	ISBN No.
1	Plant Natural Products: their use in disease control (Vol I)	Prof Ravi Kant Upadhyay	AkiNik Publications	B25-034
2	Natural Plant Products: Their Medicinal, Insecticidal and Therapeutic Uses (Volume-2).	Prof Ravi Kant Upadhyay	AkiNik Publications	B25-091
3	Plant Natural Products and its use in Insect Pest Control (Volume-3).	Prof Ravi Kant Upadhyay	AkiNik Publications	B25-094
4	Animal venoms, source of novel drugs and therapeutics (Volume 1)	Prof Ravi Kant Upadhyay	AkiNik Publications	B25-034
5	Insect Science: Principles and Applications	Prof. Vinay Singh	Elite Publishing House, New Delhi.	National
	Applied Research in Biological and Medical Sciences Pages: 1-149	Dr. Sushil Kumar	MKSES Publisher Lucknow India National (Edited Book)	ISBN: 978-81-19746-61-3

5. Projects (ongoing):

S. No.	Title of Project	Principal Investigator/ Co-PI	Funding Agency	Duration	Grant received	National/ International
1	Effects of industrial effluents on fish diversity, status and their ex-situ conservation management in river Aami of Gorakhpur region	Prof. Ajay Singh (PI)	Uttar Pradesh Higher Education Department	3	₹ 11,00,000/-	National
2	Synergistic role of some plants as molluscicide against harmful snails	Prof. Vinay Kumar Singh Co-PI	Higher Education UP	3 years	176000/- Ist year	National
3	To study of vaginal infection in young females suffering from Human Papilloma Virus infection and associated risk factors	Dr. Smita Singh/ Dr. Abhai Kumar	UP Higher Education Research and Development division	Three Years	2,47,500.00	National
4	Synergistic role of some plants as molluscicide against harmful snails	Dr. Arundhati Singh PI	Higher Education UP	3 years	176000/- Ist year	National

6. MoU Signed: Nil

S. No.	Collaborating Institution/ Agency	Nature of MoU	Duration	Outcome	National/ International

7. Special Status conferred to the Department / Institute by Central/ State Government (e.g. UGC-SAP/CAS, DST-FIST, DBT, ICMR, ICSSR, AICTE, CPE of UGC etc.) Nil

S. No.	Scheme	Agency	Year of award with duration	Amount

8. Consultancy: Nil

S. No.	Title	Consulting faculty member	Agency	Duration	Revenue	National/ International

9. Patents / Copyright / Trademark:

Prof Ravi Kant Upadhyay

S. No.	Title	Grantee	Patent Application Number	Publication Date	Country
1	“Stylized Container for Safe and Effective Storage of Entomological Specimens” Dr. Priya Srivastava Prof Vinay Kumar Singh	Indian Govt	431615-001 dt.	14.11.2024	India
2	Termite repellent for crop protection Prof. Ravi Kant Upadhyay	Indian Govt	202511002853 CBR 1910 TEMP/E-1/3421/2025-DEL	28-05-2025	India
3	Process for the production of polyclonal antibodies against <i>Rhipicephalus microplus</i> saliva toxins	Indian Govt	202511002856 TEMP/E-1/3457/2025 -DEL	28-05-2025	India
4	A method for isolation and purification of novel antigen from black scorpion <i>Heterometrus fastigiosus</i>	Indian Govt	202511002857 TEMP/E-1/3490/2025 -DEL	Application ready for publication	India
5	Process for the production of polyclonal antibodies against <i>Rhipicephalus microplus</i> saliva toxins	Indian Govt	202511002858 TEMP/E-1/3477/2025 DEL	Application ready for publication	India
6	An antiserum and its method of preparation for neutralization of Bee venom induced toxicity	Indian Govt	202511002859 TEMP/E-1/3505/2025 -DEL	Application ready for publication	India
7.	A composition including polyclonal	Indian Govt	202511013188	Application ready for	India

	antibodies against the yellow wasp <i>Polistes flavus</i> venom protein		TEMP/E-1/1524/2025-DEL CBR 8313	publication	
8.	A polyclonal anti-venom antibody against the Asian Black Scorpion <i>Heterometrus fastigios</i>	Indian Govt	202511014190 TEMP/E-1/16608/2025 -DEL CBR 8845	Application ready for publication	India
9	A honeybee venom toxin peptide antigens and its method of isolation and purification	Indian Govt	202511014192 TEMP/E-1/16646/2025 -DEL CBR 8845	Application ready for publication	India
10	An insect rearing Chamber Dr. Sushil Kumar & Tahira	Govt of India	202411056750	15/11/2024	India

10. Seminars Conferences/ Workshops/ Webinars organized:/

S. No.	Name of the Event	Date (from - to)	Organized by	National / International

11. Seminars/ Conferences/ Workshops/ Webinars attended:

S. No.	Name of Faculty Member	Name of the Event	Participation type (oral/ poster/invited lecture/ plenary lecture/ keynote lecture/ session chaired)	Date (from - to)	National / International
1.	Prof. Ajay Singh	All India Science Teachers Association (AISIA) Annual Conference, 2024	Invited Lecture	29-30 December 2024	National

2.	Prof. Ravi Kant Upadhyay	Advanced Biotechnology and Biosystem	Session chaired	11-11-2024	National
3.	Prof. Ravi Kant Upadhyay	Department of Zoology Marwar Business School	Invited Lecture	28 March, 2025	National
4.	Prof. Vinay Kumar Singh	National Education Policy-2020 : Atmnirbhar Bharat ki Sankalpna” MG Degree College, Gorakhpur in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi	Invited Lecture	13-14 October 2024	National
5.	Prof. Keshav Singh	One Day Awareness Workshop on “Intellectual Property Rights (IPR)”	Jointly organized by the Research & Development Cell and IPR Cell, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur (U.P) India, sponsored by Council of Science and Technology, Uttar Pradesh.	02-03-2024	National
6.	Dr. Mahendra Pratap Singh	International Conference on Innovations in Life Sciences for Sustainable Development: Biodiversity, Environment, Health and Food Security- 2025 (ILSSD-2025)	Invited Lecture	6-8 March, 2025	National
7.	Prof. Keshav Singh	Presented paper in the international conference on advances in systems biology, organized by the Department of Zoology, Doctor Harisingh Vishwavidyalaya, Sagar (M.P.), India	Invited Lecture	24.04.2025 to 26.04.2025	International
8	Dr. Mahendra Pratap Singh	International Conference on Innovations in Life Sciences for Sustainable Development: Biodiversity, Environment, Health and Food Security- 2025 (ILSSD-2025)	Invited Lecture	6-8 March, 2025	National
9	Dr. M P Singh	Value-added course on the Role of Aquaculture and fisheries in sustainable development	Resource person	24 June 2025	National
10	Dr. R.P Yadav	Etiology and treatment of diseases of food fishes value added course on Role of Aquaculture and fisheries in sustainable development	Resource person	24 June 2025 Department of Zoology, DDU Gorakhpur University Gorakhpur	National
11.	Dr. Smita Singh	The No Answer for Autism Spectral Disorder	Organizing Secretary	(2023-2024) on 11-May-2023	International
12	Dr. Smita Singh	Value Added Course on “Role of Aquaculture and fisheries in sustainable Development” (24	Resource Person	24 June 2025-30 June 2025	National

		June 2025 - 30 June 2025)			
13	Dr. Sunaina Gautam	Value Added Course on “Role of Aquaculture and fisheries in sustainable Development” (24 June 2025 - 30 June 2025)	Oral Presentation	24 June 2025-30 June 2025	National
14	Dr. Sunaina Gautam	36 All India Congress of Zoology and International Conference, Pioglitazone's Impact on PPAR γ -Mediated Gene Expression in Human Adipocyte Cells: Understanding the cascade pathway of antidiabetic effects	Paper presentation	Zoological Society of India	National Level 24-25 April 2025
15	Dr. Sunaina Gautam	Social immunity in eusocial insects: Evolutionary mechanisms for disease defence and colony survival	36 All India Congress of Zoology and International Conference	Paper presentation Zoological Society of India	National 24-25 April 2025
16	CD36 gene Haplotypes combinations helps in early Prediction of Type II Diabetes Mellitus in non diabetic individuals	APCMS 20225 8 th Asia pacific Cardio Metabolic Syndrome Congress	Oral Presentation	Korean Society of Cardiometabolic Syndrome	International (Seoul South Korea)

12. National / International Academic Visits:

S. No.	Name of Faculty Member	Name of Institution/ Laboratory / Industry	Place	Duration	Purpose

13. Membership in Committees / boards:

Type	Name of Faculty Member	Details	Duration
Advisory board member,	Prof. Ravi Kant Upadhyay	Asian Journal of Research in Biological and Pharmaceutical Sciences, ISSN 2349-4492.	07-01-2024 to till date
Advisory board member	Prof. Ravi Kant Upadhyay	Acta Scientific Microbiology	20 March 2024 – till date
Associate Editor:	Prof. Ravi Kant Upadhyay	International Journal of Infectious diseases and epidemiology ISSN:2832-5257 2020	01-08-2024-till date

14. E-content / online course material developed:

S. No.	Number of Online Study Material	Number of Faculty Members uploaded Online Study Materials	Weblink(s)

15. Departmental YouTube Channel:

S. No.	Number of Videos	Number of Subscribers	Number of Views	Weblink(s)

16. Faculty Recharge Programmes attended:

(UGC Refresher / orientation programs, workshops, training programs and similar programs)

S. No.	Name of Faculty Member	Name of Programme	Duration	Place	Purpose
1.	Prof. Keshav Singh	Online NEP 2020 Orientation and Sensitization Programme	29-02-2024 To 08-03-2024	Malaviya Mission Teacher Training Programme (MM-TTP) UGC, New Delhi.	Teaching

17. Awards / Fellowships received by Faculty Members from State / Central Government / Government recognized bodies:

S. No.	Name of Faculty Member	Name of Award/ Fellowship	Grantee Agency	Purpose	National/ International
1.	Prof. Keshav Singh	Senior Scientist Award for outstanding achievements in the field of biological sciences	International Conference on Advances in System Biology held on March 6-8, 2025, organized by the Department of Zoology, School of Biological Sciences, Doctor Harisingh Vishwavidyalaya, Sagar (M.P.), India.	Research	-
2.	Prof. Keshav Singh	Award of Fellowship of	Asian Biological Research Foundation,	Research	-

		ABRF (FABRF)	Prayagraj, India. During the International Conference on Integrative Interdisciplinary Avenues in Biology and Applied Science: Perspectives to Sustainable Development on 27-28 April, 2024. Organized by M.L.K. P.G College, Balrampur, Uttar Pradesh.		
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18. Awards / Recognition / Fellowships received by Students:

S. No.	Name of Student	Name of Award/ Fellowship	Grantee Agency	National/ International
1.	Pallavi Pandey	CSIR NET JRF	CSIR	National
2	Archna Rao	CSIR NET	CSIR	National
3	Rashmi Tiwari	CSIR NET JRF	CSIR	National
4	Salehan	UGC NET	UGC	National
5	Arfiya Fatima	GATE	GATE	National
6	Kriti Gupta	NET	UGC	National

19. Student Activities:

S. No.	Name of Activities	Details	Duration (from-to)
1	Sarsawti Pooja	For students orientation towards studies	03-02-2025
2	National Science Day	Quiz, debate, essay competition And prize distribution	28-02-2025
3	Public awareness program	Problem of food adulteration: awareness is the remedy	07-03-2025
4.	World Environment Day	Lecture on environmental protection and tree plantation	05-06-2025
5	Anti-ragging Week	Student participation for self disciple	12-18 August 2024
6.	Deeksha Arambh	Starting of university classes, welcome of new students	17-08-2024

20. Special Lectures Organized:

S. No.	Name of Speaker	Topic	Date
1	Prof Ashok Kumar	Cancer and its therapeutics: Fight against cancer	28-09-2024
2.	Prof. D K Singh	Science of Vedic Yagna	21 February 2025
3	Value added course	Applied Zoology for Entrepreneurs	24 June 2025 - 30 June 2025

21. Extension Services:

S. No.	Name of Faculty Member	Position	Description
1.	Prof. Vinay Kumar Singh	Coordinator	Administration
2	Dr. Arundhati Singh	Member, Rovers and rangers	Active member
3	Dr. Sunaina Gautam	Member, Rovers and rangers	Active member

22. Upgradation of Departmental Website:

Upgradation	Status
Faculty Profile	Yes
Publication details	Uploaded on web site
Time Table	Uploaded on web site
Programme wise Syllabus	
Project List	on web site
Departmental YouTube Channel	
Departmental Achievements	
MoU details	
DQAC	
Prominent Alumni	
Ph.D. Scholar details	Submitted

23. Any other information relevant to academic performance:

Date:

Place:

(Head of the Department)