

1. Full Name : **Dr. CHANDAN KUMAR**
2. Father's Name : Dr. Rajendra Prasad Agrawal
3. Designation : Assistant Professor & H.O.D
4. Name of Department : ZOOLOGY
5. Date of First Joining : 21.07.2018
6. Date of Joining College : 21.07.2018



7. Academic Qualifications:

S.N.	Qualification	Years of Passing	College	University/Board	Subject
1	B.Sc. (Hons.)	2003	Gossner College, Ranchi (JH)	Ranchi University, Ranchi (JH)	Zoology (Hons.), Botany, Chemistry, Hindi, General studies
2	M.Sc. in Zoology	2005	Univ. Dept. of Zoology, RU, Ranchi (JH)	Ranchi University, Ranchi (JH)	Animal diversity, Cell biology, Biotechnology, Endocrinology, Physiology, Microbiology, Evolution, Ethology, Taxonomy, Fisheries etc.
7	P. G. Diploma in Sericulture (PGDS)	2007	C.T.R.&T.I., Ranchi (JH)	Central Silk Board, Ministry of Textile, GOI, Bangalore	Silk worm entomology, morphology, anatomy, genetics, Farming methods, pre and post harvesting technology, extension method etc.
3	M. Phil. in Zoology	2010	UTD, TGOU, Dimapur (Nagaland)	TGOU, Nagaland	Research methodology, Wildlife biology, Fisheries science and Thesis
4	Ph.D. in Zoology	2014	Univ. Dept. of Zoology, RU, Ranchi (JH)	Ranchi University, Ranchi (JH)	Animal Biochemistry, Molecular biology, Physiology, Endocrinology and Histopathology
6	Bachelor of Education (B.Ed.)	2016	Bharathi college of Education, Ranchi (JH)	Ranchi University, Ranchi (JH)	Educational Technology, Education Psychology, Teaching methodology (Physical and Life science) etc.
5	M.Sc. in Biotechnology	2018	School of Life sciences, SU, Rajasthan	Singhania University, Rajasthan	Cell biology, Molecular biology, Biotechnology, Microbiology, Immunology etc.
6.	DCA	2008	Wizard Tech. Computer Academy, Ranchi (JH)	Wizard Tech. Computer Academy, Ranchi (JH)	Information technology, Operating systems, Official package (MS-Word, Excel, Power point), Database.

8. Master/M.Phil. /Ph.D. (Dissertation/Supervision):

M.Sc., M. Phil and Ph.D. level

9. Research Area:

Biochemistry, Endocrinology, Phytomedicine, Histopathology, Animal diversity, Sericulture, Fisheries, Environment etc.

10. Teaching/Research Experience:

More than 10 years of teaching experience- UG and PG, Research- more than 5 years.

11. Work Experiences:

1. Presently working as **H.O.D. (Assistant Professor)** in Dept. of Zoology, Govt. RRM. P.G. College Surajpur, Chhattisgarh (Affiliated to Sant Gahira Guru University, Ambikapur, Chhattisgarh).
2. Worked as **Assistant Professor** in Agriculture sciences and Dept. of Zoology, Madhav University, Rajasthan.
3. Worked as **Lecturer** in Dept. of Zoology and Botany, J. N. College (A constituent college of "Ranchi University, Ranchi".
4. Worked as **Junior Research Fellow (J.R.F.)** in UGC major research project at Univ. Dept. of Zoology, Ranchi University, Ranchi along with part time teaching to M.Sc. students.
5. Worked as a **Malaria Technical Supervisor** at District Vector Borne Disease Control Society, Dept. of Health & Family Welfare (Govt. of Jharkhand), Lohardaga, Jharkhand under NRHM.
6. Worked as **Nodal Project Co-ordinator** at Karnataka State Sericulture Research and development Institute (KSSRDI), Bangalore for the DBT sponsored project.
7. Worked as a **Fish farm supervisor** and artificial breeder of common carps at fish farm of GIIESAA, Ranchi.

12. Awards/Achievements/Scholarships

1. Got **“Research Excellence Award, 2021”** from InSc, Bengaluru, Karnataka.
2. Got **“Best Researcher Award in International Scientist Awards on Engineering, Science and Medicine, 2021”** from INSO, Villupuram, Tamilnadu.
3. Got **“Young Scientist Gold Medal Award, 2010”** from ICCB, Ranchi by V.C. of Central University of Jharkhand, Ranchi.
4. Got **“DOS MP Gold Medal”** by Central Silk Board, Bangalore for excellent performance in the P.G. Diploma in Sericulture (NM) course at CTR&TI, Ranchi (Jharkhand).
5. Completed **“National level CTET (Combined Teacher Eligibility Test) exam”** conducted by C.B.S.E, New Delhi in December, 2015.
6. Completed **“JRF”** conducted by C.B.S.E, New Delhi in December, 2015.
7. Got **“Topper in B.Sc. Zoology (Hons.)”** in Gossner College, Ranchi under Ranchi University, Ranchi Zoology (Hons.) merit list.
8. Got **“Topper in B.Ed. course”** exam in B.C.E. College, Ranchi under Ranchi University, Ranchi.
9. Active **editor panel member** of **“EC Diabetes and Metabolic Research journal”**.
10. Active **Product Reviewer** of **“Biocompare”** (The Buyer’s guide for life scientist, USA).
11. Active **member of Reviewer committee** of **“Indian Journal of Experimental Biology, IJEB”** (A monthly peer-reviewed journal of NISCAIR, CSIR, New Delhi), **Phytomedicine”** (Elsevier Journal, Netherland), Asian Journal of Research and Reports in Gastroenterology (AJRRG), Uttar Pradesh Journal of Zoology (UPJZ), Journal of Pharmaceutical Research International (JPRI), Journal of Advances in Medicine and Medical Research (JAMMR) and other SCOPUS journals etc.

13. Publications (Books/Research Papers/Articles)

1. **Kumar C.**, S. Nehar and P Rani (2021) Evaluation of genoprotective and antioxidative potentiality of ethanolic extract of *N. sativa* in streptozotocin induced diabetic albino rats, *Vegetos (Springer)*, **34**, 453-459.
2. **Kumar C.**, Kumar R. and Nehar S. (2014) Induction of Type-II diabetes by high fructose diet and low dose of intra-peritoneal injection of streptozotocin in albino rats. *International Journal for Pharmaceutical Research Scholars*, **3(1)**: 196-202.
3. **Kumar C.**, Kumar R. and Nehar S. (2013) Hypoglycemic effect of acetone extract of *Terminalia arjuna* Roxb. bark on Type-2 diabetic rats. *The Bioscan*, **8(2)**: 709-712.
4. **Kumar C.**, Kumar R. and Nehar S. (2013) Phytochemical properties, Total antioxidant status of acetone and methanol extract of *Terminalia arjuna* Roxb. bark and its hypoglycemic effect on Type-2 diabetic albino rats. *Journal of Pharmacognosy and Phytochemistry*, **2(1)**: 199-208.
5. **Kumar C.**, Singh A.K. and Nehar S. (2010) In-vitro propagation and callus formation from seedling of *Terminalia arjuna* Roxb. *The Bioscan*, **2**: 423-429.
6. **Kumar C.**, Zeenat F., Prabha R., Mamta K. and Nehar S. (2010) Induction of Type-II diabetes by high fructose diet in albino rats. *Biospectra*, **5(1)**: 23-26.
7. **Kumar C.**, Singh A.K., Mishra R.K. and Nehar S. (2010) Studies on adoption level of improved technologies by tasar farmers in Sunderpahari cluster of Godda district, Jharkhand: a case study. *Biospectra*, **5(2)**: 293-298.
8. **Kumar C.**, Singh A.K., Sinha M.K., F. Zeenat , Tiwari .K. and Nehar S. (2010) Studies on knowledge and adoption level of improved technologies by Tasar farmers in Shikaripara area of Dumka district, Jharkhand. *Columban Journal of Life Science*, **11(1-2)**: 37-40.

9. Kumar R., Kumar C., Arvind, Behera P.S., Singh N.K. and Sinha P.R. (2011) Molecular mechanism of anti-carcinogenic potential of Ac-Dahi in DMH induced colon carcinogenesis. *Indian Journal of Dairy Science*, **64(1)**: 33-38.
10. Nehar S., Kumar C., Mishra K. and Mamta K. (2010) Lead induction alteration in blood profile of air breathing catfish, *C. batrachus* Linn. *The Bioscan*, **2**: 335-341.
11. F. Zeenat, Tiwari K., Kumar C. and Nehar S. (2010) Dopamine inhibit the cortisol secretion in the adrenal gland of *Rana Tigrina* (Amphibia, Anura): An evidence of non-classical regulatory mechanism. *Columban Journal of Life Science*, **11(1-2)**: 71-73.
12. Nehar S., Prabha R., Kumar C., Kauser H. and Alam I. (2015) Evaluation on Cytotoxicity of Ethanolic Extract of *Nigella sativa* Seed. *American Journal of Ethnomedicine*, **2(5)**: 276-283.
13. Siddique, R. A., Jagan Mohanarao G., Chandan K., Raj Kumar, Anand Kumar, Malik, P.K. and Atreja, S.K. (2011) Spermatozoal abnormalities and sperm DNA fragmentation vis-à-vis male infertility– a review. *Wayamba Journal of Animal Science*, **3**: 578X: 174-189.
14. Gupta S, Pervez S, Kumar C and Poddar AN (2022): Receiver operating curve (ROC) analysis for fluorosis using simple blood parameter neutrophil lymphocyte ratio. **Biochem. Cell. Arch.**, **22**: 3969-3974.
15. चंदन कुमार, सुनीता मीना, राज कुमार एवं अरविंद कुमार (2016) मत्स्य पालन: कृषि के संदर्भ में. *गोहं एवं जौ स्वर्णिमा (भा.कृ.अनु.प.)*. **8**: 124-129.
16. राज कुमार, चंदन कुमार, सुनीता मीना, तुषार कुमार मोहंती एवं मुकेश भक्त (2016-17). कृत्रिम गर्भाधान में हिमिकृत वीर्य का महत्व. *दुग्ध-गंगा*, राष्ट्रीय डेयरी अनुसंधान संस्थान (भा.कृ.अनु.प.).**6**:1-2.
17. सुनीता मीना, चंदन कुमार एवं राज कुमार (2016-17) पशुपालन और जैव प्रौद्योगिकी . *दुग्ध-गंगा*, राष्ट्रीय डेयरी अनुसंधान संस्थान (भा.कृ.अनु.प.). **6**: 21-22.

18. राज कुमार, चंदन कुमार, सुनीता मीना, तुषार कुमार मोहंती एवं मुकेश भक्त (2016-17). भैंसो में सफल कृत्रिम वीर्यरोपण के लिए महत्वपूर्ण सुझाव. *दुग्ध-गंगा*, राष्ट्रीय डेयरी अनुसंधान संस्थान (भा.कृ.अनु.प.). 6: 76-77.

14. Orientation/Refresher Course/FDPs:

1. 21 days **Orientation Program** on 'Quality in Higher Education' from HRDC, Pt. Ravishankar Shukla University, Raipur (CG): Date- 25.07.2019 to 14.08.2019.
2. 14 days **Refresher Course** on 'Current Trends in Life Sciences' from HRDC, Dr. Harisingh Gour Vishwavidyalaya, Sagar (MP): Date- 08.03.2022 to 22.03.2022.
3. 07 days **online FDP** on Moodle Learning Management System from Atal Bihari Vajpayee University, Bilaspur in association with IIT, Bombay. Date- 12.05.2020 to 17.05.2020.
4. 14 days **online FDP** on HTML and ExpEYES software from S.V.P. College, Bhabhua, Bihar in association with IIT, Bombay. Date- 14.05.2020 to 27.05.2020.
5. 07 days **online FDP** on Recent Trends in Research and Applied statistics from Sunrise University, Alwar. Date- 13.06.2020 to 19.06.2020.
6. 07 days **online FDP** on Sustainable Environment and Climate Change from Department of Applied Sciences, National Institute of Technology (NIT), Delhi. Date- 14.06.2020 to 19.06.2020.
7. 07 days **online international FDP** on Research and Teaching methodology from Department of Chemistry of Govt. V.Y.T. PG Autonomous College, Durg (CG). Date- 05.07.2021 to 11.07.2021.
8. 07 days **online FDP** on Innovative Teaching techniques and strategies in legal education from Subharti University, Meerut. Date- 24.09.2020 to 30.09.2020.

15. Responsibilities:

College responsibilities

1. Teaching B.Sc. and M.Sc. students
2. Served as Coordinator/Assistant Co-ordinator in UG and PG Admission at college in Science stream.
3. Served as Asst. Superintendent for Semester and annual University exam.
4. Served as Asst. Coordinator and Asst. Superintendent for CG VYAPAM EXAM at state level
5. Other works assigned by the principal.

University responsibilities

1. Ph. D guideship for Zoology.
2. Served as an internal and external examiner in practical examination at UG and PG level.
3. Served as Paper setter and examiner at UG and PG level for semester and annual exam.

16.Membership:

1. Life membership of International Consortium of Contemporary Biologists, Ranchi (Jharkhand).
2. Professional Life membership of Institute of Scholars, Bengaluru (Karnataka).

17. Others (Trainings/Extra- Curricular activities)

➤ TECHNICAL TRAININGS

1. 60 days "**Training on Biochemistry, Biotechnology and Molecular biology**" in Division of Biotechnology, Indian Veterinary Research Institute (IVRI), Izatnagar, UP.
2. 10 days biochemistry and biotechnological training on "**Strategic use of cryopreserved semen for assisted reproductive technologies**" in Animal Biochemistry Division, National Dairy Research Institute (NDRI), Karnal, Haryana.

3. 21 days winter school biochemistry and biotechnological training on **“Recent Advances in Dairy Nutraceuticals and Bioinformatics Applications”** in Animal Biochemistry Division, National Dairy Research Institute (NDRI), Karnal, Haryana.
4. 12 days biochemistry and biotechnological training on **“Essential skills on Biotechnology”** in SHRM Biotechnologies Pvt. Ltd., Kolkata (W.B.).
5. 10 days **Diploma in Medicinal Plants** course from Department of Botany, Shri Shivaji Science College, Amravati (MS).
6. 10 days training on **“Malaria Technical Supervisors (MTS)”** from Regional Medical Research Centre (ICMR), Bhubaneswar, Orissa for Technical aspects of malaria and its entomology & epidemiology etc. organized by Dept. of Health, NVBDCP, Govt. of Jharkhand, Ranchi.
7. 01 day national Workshop on **“Handling practices and applications of HPLC and UV Spectroscopy”** in Madhav University, Rajasthan.
8. 02 days **“National Workshop on Research Methodology”** in Madhav University, Rajasthan.
9. 01 day **“National Workshop on Chemo-informatics”** in Madhav University, Rajasthan etc.

➤ **EXTRA CURRICULAR ACTIVITIES:**

1. Participation and presented research papers in National/International Conferences, Seminars, and Symposiums (more than 50 participation) time to time for skill upgradation/development and current research & technology scenario.
2. Active volunteer of NGO & Societies in Agriculture, Sericulture, biotechnology and educational sectors for knowledge extension and Rural development.

DECLARATION

I, **Dr. Chandan Kumar**, do hereby declare that all the informations are true, complete and correct to the best of my knowledge.

Chandan Kumar

Place: Surajpur (C.G.)

Date: 01.02.2023

Signature

(Dr. Chandan Kumar)