

## Profile of Teacher

**Name:** Dr.Rajesh Kumar Azad  
**Designation:** AssociateProfessor(Zoology)  
**Academic Qualifications:** M.Sc.M.Phil.,Ph.D.(HPU,Shimla)  
**Specialization:** Enzymology, Entomology, Parasitology  
**Fields ofInterest:** Enzymology, Ornithology  
**TeachingExperience:** 20Years  
**Fellowships:** CSIR-UGC(JRF) awarded in 2002  
**E-mail:** [rajesh.risingsun@gmail.com](mailto:rajesh.risingsun@gmail.com) **Mobile No.:** 9805927836

### I. ResearchPapers/chaptersPublished

S.No.	Title	Nameof Journal	Year of Publication
1.	<b>Purification and characterization of <math>\alpha</math>-amylase from <i>Acanthoscelides obtectus</i> (Say) (Coleoptera: Chrysomelidae)</b>	International Journal of Biological Macromolecules	2024
2.	<b>Trypsin and chymotrypsin activity in developmental stages of <i>Acanthoscelides obtectus</i> (say) and screening <i>Phaseolus vulgaris</i> cultivars for inhibitory effect on bovine pancreatic proteases</b>	Indian Journal of Entomology	2024
3.	<b>Electrophoretic studies on Glutathione-S-Transferase and its partial purification from <i>P.berghei</i> infected rodent tissue.</b>	Journal of Emerging Technologies and Innovative Research	2019
4.	<b>Glutathione-S-transferase activity in fractions parasitized by <i>Plasmodium berghei</i></b>	IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)	2018
5.	<b>Chapter published on “application of oxygen vectors in improving the performance of submerged aerobic fermentation for the production of Industrially important molecules in Bioreactors” in book entitled Biotechnology: an Overview</b>	Daya publishing House	2014

### II. OrientationProgramme(OP)&RefresherCourse(RC)Attended

Sr.No.	Nameof theOP/RC	Organizing Agency	Dates
1.	<b>UGC Sponsored 4-week Orientation Programme (OP-86)</b>	AcademicStaffCollegeHimachal Pradesh University Shimla-5	2.4.2008-29.4.2008
2	<b>UGC Sponsored Refresher Course (Life Sciences)</b>	Academic StaffCollegeHimachal Pradesh University Shimla-5	28.4.11-18.5.11

3	<b>UGC Sponsored Refresher Course (Environmental Science)</b>	Academic Staff College, Jawahar Lal Nehru University	10.2.14-7.3.14
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### III. Training Courses, Faculty Development Programmes Attended

Sr.No.	Name of the FDP	Organizing Agency	Dates
1.	Two-week “Induction Training)	SCERT, Solan	20.2.15-3.3.15
2.	One week training on “Office Procedure & Financial Administration”	HIPA, Fairlawns	29.6.16-1.10.16
3.	One week FDP on “ Teaching and research practices”	Deptt. Of Biotechnology JUIT, Solan	
3.	One-week International Faculty Development Programme (FDP) on NEP-2020: A Paradigm Shift in Higher Education	GDC, Dharampur, Mandi	19.2.24-24.2.24
4.	Glorious Science Week Celebration	COE, GC, Sanjauli	22-2.24-28.2.24
5.	One Week Training Cum Workshop on IPR	Internal quality Assurance Cell (IQAC) RKMV, Shimla	21.3.24-28.3.24
6.	One day workshop on “How to write a scientific research paper”	RKMV & Shoolini University	8.5.24
7.	One day workshop/ training PBRs organized on International Day For BioDiversity-2024	HP State Biodiversity Board at CSLC, Anandpur, Shogi	22.5.24

9.	<b>Oneweek Workshop on “Read for Success”</b>	Unstoppable Wisdom Academy	24.6.24-29.6.24
10.	<b>One Week International Workshop Cum Exhibition “Oneness”</b>	IQAC,RKMV& Mahsu Art Society	17.7.24-23.7.24
11.	<b>One-week International Faculty Development Programme (FDP) on Project Based Learning</b>	RKMV& Pennsylvania State University, USA	8.12.24-14.12.24
12.	<b>One-week International Faculty Development Programme (FDP) on Rule Book to Real World, Practical Insight for HP.Govt Employees</b>	IQAC,RKMV	16.6.25-21.6.25
13.	<b>One-week International Faculty Development Programme (FDP) on “Indegenous knowledge in health &amp; Nutrition” Employees</b>	Faculty of Sciences,Home Sciencer,Physical Education RKMV	24.9.25-29.9.25

### III. Paper Presented in Seminars/Conference/Workshops, Symposia

S.No	Title of Paper Presented	Organizing Agency	Date	National/ International Level
1	Studies on Glutathione-s-transferase, an antioxidant enzyme in rodent malarial parasite and its role in malaria	RGGC, Shimla, PG College Seema (Rohru) & GDC, Nerwa Distt. Shimla (H.P)..	9-11 Dec., 2016	National Conference
2.	Studies on $\alpha$ -Amylase activities in different stages of <i>Acanthoscelides obtectus</i> (Say) (Coleoptera: Bruchidae)	Deptt. Of Biosciences, HPU, Shimla	10-12 Oct., 2019.	National Conference
3.	National Accreditation and Assessment Council: An analysis	HGCTA at Peterhoff	5 <sup>th</sup> Dec., 2019	National Conference
3.	In gel visualization and determination of molecular weight of $\alpha$ -Amylase in <i>A. obtectus</i> (Say)	Deptt. Of Biosciences, HPU, Shimla	23-24 Sept., 2022	National Seminar
4.	Spectrophotometric analysis of $\alpha$ -Amylase in different larval instars, pupae and adults of <i>A. obtectus</i> .	RKMV, Shimla	9-11 Dec., 2022.	International Conference
5.	Studies on trypsin in different developing stages of <i>Acanthoscelides obtectus</i> (Say) (Coleoptera: Bruchidae)	GC, Ani & HFRI, Shimla	2-4 Dec., 2023	International Conference
6.	Studies on $\alpha$ -Amylase .....larvae	SPU, Mandi	25-26 Nov., 2023	International Conference
7.	Studies on trypsin in different developing stages of <i>Acanthoscelides obtectus</i> (Say) (Coleoptera: Bruchidae)	VGC, Mandi	14-15 Feb., 2024	International Conference
8.	Efficacy of Extracts of <i>Phaseolus vulgaris</i> L. cultivars against Bovine Pancreatic trypsin and chymotrypsin	COE, GC Sanjauli	19-20 Nov., 2024	International Conference
9.	Targeting insect $\alpha$ -Amylase inhibition from extracts of <i>Phaseolus vulgaris</i> L. as an effective and environmentally sustainable pest control approach	RKMV & HIPA	29 Nov. to 1 Dec., 2024	International Conference

<b>10.</b>	<b>Sustainable farming: Ecofriendly pest control using <i>Phaselous vulgaris</i> derived agents</b>	RKMV&Shoolini University	25-26 March.,202 5	International Conference
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#### **IV. Seminars/Symposia/Workshops/Conferences attended/other**

- Participated in the **Youth Seminar on Entrepreneurship and Skilling** organized by GC, Seema, Rohru on 7-8 April, 2016.
- **Passed the Departmental Exam of Paper-1 Financial Administration** conducted by HIPA in March,2018.
- Attended **2 days workshop** on “writing a Research Paper/Article: Concept, Structure and Style on 27-28 Dec., 2019 organised by SHODH&SUET at HPU, Shimla.
- Attended International Conferences on “Innovative and Current Advances in Agriculture and allied Sciences organized by Society for Scientific Development in Agriculture and technology at Meerut on 12-14 June, 2022
- Attended one day workshop on “Quality teaching and Research: What, Why and How? Organized by IQAC, RKMV on 6<sup>th</sup> May, 2023
- Submitted **24 checklists** through e-bird app to the State of India’s Birds Report 2023 for assessing the distribution range, trends in abundance, and conservation status of 942 bird species of India.
- Attended **National symposium on “ Frontiers in Entomology-2025 held at ICAR , New Delhi. (online)**7<sup>th</sup>Jan., 2025.
- Participated in National Science day Symposium (NSDS-2025) jointly organized by JUIT, Solan and HIMCOSTE on 28<sup>th</sup> Feb., 2025