

# DEPARTMENT OF ZOOLOGY

## MAHARSHI DAYANAND UNIVERSITY, ROHTAK

### DR SUDHIR KUMAR KATARIA

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**AREA OF INTEREST:** Cytological/Genomic/Environmental Toxicology, Drosophila Genetics, Taxonomy, Astrobiology

### EDUCATIONAL QUALIFICATIONS

Degree	Year	Institution
Ph. D	1998	CCSU, Meerut
PG	1992	MDU, Rohtak
UG	1988	MDU, Rohtak
MA, B. Ed, PG Diploma – Computers		

**Ph.D. thesis:** “Studies on analysis of adenosine deaminase activity in tuberculosis”

### CAREER PROFILE

Designation	Institution	Duration	
		From	To
Asstt. Professor	Dept of Zoology, M.D. University, Rohtak	11.07.15	Continuing
Associate Professor	RIE (NCERT), Ajmer	11.07.13	10.7.15
Asstt. Professor	Dept of Zoology, M.D. University, Rohtak	15.05.09	10.7.13
Lecturer (Regular)	Dept of Biosciences, M.D. University, Rohtak	20.08.08	14.5.09
Lecturer (Temporary)	Dept of Biosciences, M.D. University, Rohtak	03.08.01	19.8.08
Lecturer (Temporary)	AIJHM College, Rohtak	19.07.2K	28.2.01
Lecturer (Temporary)	AIJHM College, Rohtak	03.07.99	31.1.2K
Lecturer (Temporary)	Univ College, KU, Kurukshetra	26.10.98	31.3.99
Lecturer (Temporary)	Arya College, Panipat	27.07.98	30.9.98
Lecturer (Temporary)	AIJHM College, Rohtak	09.07.97	18.9.97
Lecturer (Temporary)	AIJHM College, Rohtak	22.08.96	15.3.97
TGT- N.Sc.	DPS MMS, FPJ, Gurgaon (Now in Nuh)	30.07.92	11.4.93

### RESEARCH PROFILE.

#### Doctoral research experience

Fellow	Name of Institute	From	To
CSIR-JRF	Dept of Biochemistry, AIIMS, N Delhi	April 1993	March 1995
CSIR-SRF	Dept of Biosciences, MD University, Rohtak & CCSU Meerut	April 1995	Nov 1997

#### Number of students supervised

**Ph. D. :** Awarded – 05; Registered – 03; Enrolled – 02; **M. Phil.:** Awarded – 07; **PG dissertations:** Awarded – 19; Enrolled – 06.

Details of doctoral research students guided/enrolled:

Name of student	Thesis Title	Remarks
Vinay Malik	Cytogenetic effect of the insecticides: Imidacloprid and Lambda Cyhalothrin in Mice	Teacher Fellow
Kapil Dev	Ecological genetic basis of adaptive quantitative traits in various <i>Drosophilids</i>	URS
Jyoti	Ecological genetics of melanism and fitness related traits in <i>Drosophila</i> species and populations.	CSIR SRF
Ajay Kumar	DNA damage, hematological, biochemical, histological studies of Imidacloprid in Mice.	RGNF/NET
Monika Tomar	<i>In vivo</i> cytogenetic, biochemical, hematological and histological studies of Lambda Cyhalothrin in Mice	URS/Project fellow
Rajesh	Studies on genotoxic DNA damage caused by Imidacloprid and Lambda-Cyhalothrin in farmers of Haryana	URS/Pharmacist
Kavita Sharma	Studies on genotoxic DNA damage caused by 2,4-D, Imidacloprid and Lambda-Cyhalothrin in farmers of Haryana	URS
Poonam	Synergistic studies of selected ayurvedic formulation and Imidacloprid pesticide on human cell lines and soil microbes	NET/JRF UGC
Monika	Evaluation of antidiabetic potential of silver nanoparticles and crude seed extract of Hingot on mouse pancreatic and muscle cell lines	NET/JRF CSIR

### PROJECTS UNDERTAKEN

Title of the Project	Funding Agency
Physicochemical and microbiological analysis of water samples from the pond of village Chahara, District- Jhajjar	Dr RKFF, MDU, Rohtak
Histological Studies of Imidacloprid in Mice	Dr RKFF, MDU, Rohtak
Biochemical, cytogenetic & mutagenic studies of Insecticides: Malathion, Imidacloprid & Lambda cyhalothrin in mice	UGC, N. Delhi
National Population Education project – ‘Problems and challenges related to issues of Adolescent Education in tribal students of Rajasthan’	MHRD/NCERT, New Delhi

National population Education project – Impact of role play activities on awareness and attitude towards issues of adolescence in Rajasthan	MHRD/NCERT, New Delhi
Capacity building of KRPs belonging to SC dominated areas in teaching of Life Sciences at senior secondary level (PAC 15.06)	MHRD/NCERT, New Delhi
Analysis of the Curriculum, Syllabus, Textbooks and other Resource materials developed by the state of Punjab for Secondary level in the light of NCF – 2005	MHRD/NCERT, New Delhi
Toxicological studies of Imidacloprid and ameliorative effect of Tulsi ( <i>Ocimum sanctum</i> ) extract on human blood lymphocytes	Dr RKFF, MDU, Rohtak

### PUBLICATIONS

- **Books published/edited & book chapter** : 10
- **Research Articles/papers**
  - Research Papers published = 58
  - Impact factor = 16.02
  - NAAS rating = 68.77

### CONTRIBUTION/INNOVATIONS/DESIGNING THROUGH TEACHING, RESEARCH, CO-CURRICULAR ACTIVITIES:

- Administrative experience as Incharge - Zoology Section : 02 years
- Participation in Training/workshop/refresher course/orientation course etc : 22
- Research papers presented during conferences/seminars : 25
- List of seminars/conferences attended without paper presentations : 33
- Session Chaired seminars/conferences etc : 09
- Training programme organized : 02
- Curriculum revision/new course/analysis of curriculum organised : 06 (PG, UG etc)
- Multimedia (2D/3D Animations) teaching material development (PAC 15.06) : 03
  - i. Animal Kingdom – I (Non-chordata)
  - ii. Animal Kingdom – II (Chordata)
  - iii. Plant Kingdom
- Invited lectures in training/workshops/capacity building programs etc : 61
- Seminar/Conference/Training/Development programmes organized : 01(International), 05 (National)
- Reviewer in journals/Life members of Academic bodies : 07
- Contributed as Special invitee in National Policy on Education (DLCC)
- Departmental Alumni Association Coordinator, Department of Zoology, MD University, Rohtak
- National Population Education Program Project Coordinator, Regional Institute of Education, Ajmer
- Member Core Committee, Faculty of Life Sciences for M.Sc. Courses 2016-17
- Member Faculty of Life Science; Member, UG/PGBOS in Zoology
- Member, IQAC and NIRF, MD University, Rohtak

(Dr. Sudhir Kumar Kataria)