

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
Associate Professor	Dept of Zoology, M.D. University, Rohtak	20.08.2017	Continuing
Asstt. Professor	Dept of Zoology, M.D. University, Rohtak	11.07.15	19.08.2017
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 – 07; Registered/enrolled – 09;

M. Phil.: Awarded – 07;

PG dissertations: Awarded – 45; Enrolled – 07.

Details of doctoral research students guided/enrolled:

Name of student	Thesis Title	Remarks
1. Vinay Malik	Cytogenetic effect of the insecticides: Imidacloprid and Lambda Cyhalothrin in Mice	Teacher Fellow
2. Kapil Dev	Ecological genetic basis of adaptive quantitative traits in various <i>Drosophilids</i>	URS
3. Jyoti	Ecological genetics of melanism and fitness related traits in <i>Drosophila</i> species and populations.	CSIR SRF
4. Ajay Kumar	DNA damage, hematological, biochemical, histological studies of Imidacloprid in Mice.	RGNF/NET
5. Monika Tomar	<i>In vivo</i> cytogenetic, biochemical, hematological and histological studies of Lambda Cyhalothrin in Mice	URS/Project fellow
6. Rajesh	Studies on genotoxic DNA damage caused by Imidacloprid and Lambda-Cyhalothrin in farmers of Haryana	URS/Pharmacist
7. Kavita Sharma	Studies on genotoxic DNA damage caused by 2,4-D, Imidacloprid and Lambda-Cyhalothrin in farmers of Haryana	URS
8. Poonam	Synergistic studies of selected ayurvedic formulation and Imidacloprid pesticide on human cell lines and soil microbes	NET/SRF UGC
9. Monika Bhardwaj	Evaluation of antidiabetic potential of silver nanoparticles and crude seed extract of Hingot on mouse pancreatic and muscle cell lines	NET/SRF CSIR
10. Divya Vashishth	Evaluation of the anticancer activity of some medicinal plants against HePG2 and U87MG cell lines	CSIR-SRF
11. Vandana	Passed Course work /Registration under progress	CSIR-JRF
12. Mansi Yadav	Passed Course work /Registration under progress	NET/URS
13. Pooja	Passed Course work /Registration under progress	CSIR-JRF

PROJECTS UNDERTAKEN

Title of the Project	Funding Agency
Physicochemical and microbiological analysis of water samples from	Dr RKFF, MDU,

the pond of village Chahara, District- Jhajjar Histological Studies of Imidacloprid in Mice	Rohtak 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 = 64
 - Impact factor = 33.976
 - NAAS rating = ~102

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 : 31
- Research papers presented during conferences/seminars : 32
- List of seminars/conferences attended without paper presentations : 47
- Session Chaired seminars/conferences etc : 14
- Training/workshop programme organized : 03
- 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), 10 (National)
- Reviewer in journals/Life members of Academic bodies : 08
- 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 (NAAC 2019)
- Member Secretary, NIRF, MD University, Rohtak
- Member Secretary, Institutional Human Ethics Committee
- Member (Elected), Executive Council, MD University, Rohtak
- General Secretary, MDU Teachers Association

(Dr. Sudhir Kumar Kataria)