

DEPARTMENT OF ZOOLOGY
MAHARSHI DAYANAND UNIVERSITY, ROHTAK

DR SUDHIR KUMAR KATARIA

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AREA OF INTEREST: Environmental Toxicology, Astrobiology, Cytogenetics, Herbal formulations, Nanotechnology and human health

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
Professor	Dept of Zoology, M.D. University, Rohtak	20.08.2023	Continuing
Associate Professor	Dept of Zoology, M.D. University, Rohtak	20.08.2020	19.08.2023
Asstt. Professor	Dept of Zoology, M.D. University, Rohtak	11.07.15	19.08.2020
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

DETAILS OF RESEARCH STUDENTS GUIDED/ENROLLED:

S. No.	Name of student	Regn. No./Date	Thesis Title	Year of submission	Remarks
1.	Vinay Malik	89-JHR-344, 26.12.08	Cytogenetic Effect of The Insecticides: Imidacloprid and Lambda Cyhalothrin In Mice	Nov 30, 2011 (Awarded-6.3.12)	Teacher Fellow
2.	Kapil Dev	02-NGR-340,	Ecological genetic basis of adaptive quantitative traits in various <i>Drosophila</i> species	May 2012 (Aw- 26.9.13)	URS
3.	Jyoti	01-IGR-751,	Ecological genetics of melanism and fitness related traits in <i>Drosophila</i> species and populations.	May 2012 (Aw-3.6.13)	CSIR SRF
4.	Ajay Kumar	04-BB-1004, /05.11.2011	DNA damage, hematological, biochemical, histological studies of Imidacloprid in Mice.	Jul 28, 2015 (N. No196/1.1.16)	RGNF/NET
5.	Monika Tomar	09-BEDR-2847, /05.11.2011	<i>In vivo</i> cytogenetic, biochemical, hematological and histological studies of Lambda Cyhalothrin in Mice	Aug 19, 2015 (N. No196/1.1.16)	URS/Project fellow
6.	Rajesh	97-JHR-35, 26.10.2012	Studies on genotoxic DNA damage caused by Imidacloprid and Lambda-cyhalothrin in farmers of Haryana	Oct 25, 2018/ 28.8.2019 (Aw-2020)	URS/Pharmacist
7.	Kavita Sharma	818-IGR-05, 08.08.2013	Studies on genotoxic DNA damage caused by 2, 4-D, Imidacloprid and Lambda-cyhalothrin in farmers of Haryana	Awarded	URS
8.	Poonam	10-PDK-3226, 06.1.2018	Synergistic studies of selected ayurvedic formulation and imidacloprid pesticide on human cell line and soil microbes	Awarded	NET/JRF UGC
9.	Monika Sharma	10-GVM-3018, 24.12.2018	Evaluation of antidiabetic potential of silver nanoparticles and crude seed extract of <i>Balanites aegyptiaca</i> (Hinghot) on mouse pancreatic and muscle cell lines	Awarded	NET-UGC/JRF-CSIR
10.	Divya Vashisth	1818390018, 14.10.2019	“Evaluation of anticancer activity of extracts of some medicinal plants against	Registered & Pursuing	JRF-CSIR

11.	Mansi Yadav	2018391009, 17.02.2022	HEPG2 and U87MG cell lines Bioinspired synthesis of reduced Graphene Oxide and evaluation of its Anti-oxidant and Anti-diabetic activities	Registered & Pursuing	CSIR-NET
12.	Pooja	2018391010, 17.02.2022	Green synthesis of Graphene Quantum Dots (GQDs) and evaluation of its Antimicrobial, Antioxidant and Anticancer activities	Registered & Pursuing	CSIR JRF
13.	Renu		Registration under progress		UGC JRF
14.	Kiran		Registration under progress		CSIR NET
15.	Naveen Deswal		Course work students		CSIR JRF
16.	Astha Chillar		Course work students		CSIR NET

MPhil Supervised and degree awarded

Name of student	Regn. No.	Thesis Title	Session
Sandeep Sharma	06-DE-13130	Survey on the prevalence of tobacco use and related diseases among the selected population of the distt. Jind (Haryana)	2006-07
Yashpal Singh	06-DE-12144	An epidemiological study of smoking amongst students of Rohtak city	2006-07
Poonam	2006-UCDLM-BOT-11016	Botanical, cytological, phytochemical and pharmacognostical studies on <i>Achyranthes aspera</i>	2006-07
Jai Parkash	06-DE-12145	A survey of health related problems amongst working children	2006-07
Rajesh	2006-UCDLM-ZOOL-12077	Study of fluoride level in some water sources and extent of fluorosis in surrounding areas of distt. Rohtak	2006-07
Lata Kataria		Biodiversity scenario in Haryana	2007-08
Sunita	06-DE-12051	A survey on the prevalence of tobacco use among the selected population of the distt. Faridabad (Haryana)	2006-07

Number of students supervised

Ph. D.: Awarded – 09;
Ph.D. Registered/enrolled – 05;
Ph.D. Course work- 02;
M. Phil.: Awarded – 07;
PG dissertations: Awarded – 72; Enrolled – 10.

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** : 12
- **Research Articles/papers**
 - Research Papers published : 78
 - Impact factor : 60.95
 - H-index (Google Scholar) :13
 - i10-index :17
- **Patent published/granted (Design)** :03

S. Publications details

No.

1. Kadyan, Pooja, Jaya Saini, Parul Singh, Ponnusamy Thillai Arasu, and Sudhir Kumar Kataria. "Unveiling antidiabetic and antioxidant activities of biogenically synthesized red fluorescent graphene quantum dots using *Bauhinia variegata* L. leaves." *Discover Sustainability* 6, no. 1 (2025): 1-17.
2. Kadyan, Pooja, Manish Kumar, Aisha Tufail, Andrea Ragusa, Sudhir Kumar Kataria, and Amit Dubey. "Microwave-assisted green synthesis of fluorescent graphene quantum dots (GQDs) using *Azadirachta indica* leaves: enhanced synergistic action of antioxidant and antimicrobial effects and unveiling computational insights." *Materials Advances* (2025).
3. Yadav, Mansi, Poonam Yadav, Jaya Parkash Yadav, and Sudhir Kumar Kataria. "Novel derivatives of *Costus igneus* towards potentiality against diabetes mellitus receptors: ADME/Tox profiling, Computational Docking, and Molecular Dynamics Simulation study." *Journal of Taibah University for Science* 18, no. 1 (2024): 2370107.
4. Bhardwaj, Monika, Sudhir K. Kataria, Shammi Sharma, and Jaya Parkash Yadav. "Alpha-amylase Inhibitory and Cytotoxicity Investigation of Biologically Synthesized Silver Nanoparticles Using *Balanites aegyptiaca* on C2C12 Cells." *Nanoscience & Nanotechnology-Asia* 14, no. 3 (2024): 10-23.
5. Bhardwaj, Monika, et al. "Phytochemical Screening and Antidiabetic Efficacy of *Balanites aegyptiaca* Seed Extract and Their Silver Nanoparticles on Muscle and Pancreatic Cell Lines." *ACS omega* (2024).
6. Kadyan, Pooja, Ponnusamy Thillai Arasu, and Sudhir Kumar Kataria. "Graphene Quantum dots: Green Synthesis, characterization, and antioxidant and antimicrobial potential." *International Journal of Biomaterials* 2024.1 (2024): 2626006.
7. Kadyan, Pooja, Rohit Malik, Saurabh Bhatia, Ahmed Al Harrasi, Syam Mohan, Mansi Yadav, Sunita Dalal, Seema Ramniwas, Sudhir Kumar Kataria, and Thillai Arasu. "Comprehensive Review on Synthesis, Applications, and Challenges of Graphene Quantum Dots (GQDs)." *Journal of Nanomaterials* 2023 (2023).
8. Divya Vashishth, Poonam Yadav, Monika Bhardwaj, Mansi Yadav, Pooja Kadyan and Sudhir Kumar Kataria. 2022. Anticancer Activity of Secondary Metabolites Present in

Plants of Hot Arid Region of India. Volume 13, Issue 2, February 2023 Article ID: e190522205006, DOI: 10.2174/2210315512666220519093537 , The Natural Products Journal, ISSN (Print): 2210-3155 ISSN (Online): 2210-3163

9. Poonam Yadav, Sunita Dalal, Sudhir Kumar Kataria. 2022. Assessment of Genotoxicity, Hepatotoxicity and Reproductive Toxicity of Imidacloprid on Mammalian Models. Bulletin of Pure and Applied Sciences Zoology (Animal Science), Vol.41A, No.2, July-December 2022: P. Print ISSN 0970 0765, Online ISSN 2320 3188, DOI:10.5958/2320-3188.2021.00024.32
10. Manoj Kumar, Monika Bhardwaj, Poonam Yadav, Divya Vashishth, Sulekha Chahal, Sunita Dalal and Sudhir Kumar Kataria. 2022. A review on Distribution, properties, genetic organization, immobilisation and applications of Urease. Journal of Applied and Natural Science Vol.14 No.4. December 2022 ISSN 09749411, 22315209
11. Yadav Poonam, Bhardwaj Monika, Vashishth Divya, Yadav Mansi, Kadyan Pooja, Kumar Manoj, Dalal Sunita and Kataria Sudhir Kumar. 2022. Comparative Study of Physiochemical Properties and Enzymatic Status of Imidacloprid Treated Soils from Various Zones of Haryana, India. International Journal of Zoological Investigations' 8(2): 197-204. ISSN : 2454-3055
12. Yadav Poonam, Bhardwaj Monika, Vashishth Divya, Yadav Mansi, Kadyan Pooja, Dalal Sunita and Kataria Sudhir Kumar. 2022. Effect of Imidacloprid on the Microbial Biodiversity of Soils of Selected Zones of Haryana, India. International Journal of Zoological Investigations' 8(1):610-622. ISSN : 2454-3055
13. Anupama Malik, Manoj Kumar, Sulekha Chahal, Poonam Yadav, Sudhir Kumar Kataria and Sunita Dalal. 2022. Rutin: A Potential Antibiotic Resistance Modifying Agent. Annals of Biology 38 (1):1-4. ISSN 0970-0153
14. Kumar M., Sikri N., Chahal S., Sharma J., Sharma B., Yadav P., Bhardwaj M., Vashishth D., Kadyan P., Kataria S.K., Dalal S. 2021. Urease inhibitory kinetic studies of various extracts and pure compounds from cinnamomum genus. Molecules 26(13) 3803.
15. Bhardwaj M., Yadav P., Vashishth D., Sharma K., Kumar A., Chahal J., Dalal S., Kataria S.K. 2021. A review on obesity management through natural compounds and a green nanomedicine-based approach. Molecules, 26(11) 3278.
16. Sharma Bhavana, Dalal Sunita, Sharma Jitender, Vashishth Divya, Kataria Sudhir Kumar. 2020. In Silico Studies of Phytochemicals as Potential Urease Inhibitors. J.Env.Bio-Sci., 2020 , 34 (2), 149-152. ISSN 0973-6913 (P), 0976-3384 (On Line)
17. Ajay Kumar , Monika Tomar , Jyoti Chahal , Kavita Sharma , Poonam , Monika Bhardwaj, Sudhir K. Kataria. 2020. DNA Damage Assessment in Imidacloprid Treated Albino Mice using Comet Assay. J Env't & Bio-Sc,34,5,09736913. 0973-6913 (P), 0976-3384 (On Line)
18. Monika, Poonam, Dalal Sunita and Kataria Sudhir K. 2020. A review on ameliorative green nanotechnological approaches in diabetes management. Biomedicine & Pharmacotherapy 127:110198, ISSN: 0753-3322
19. Poonam, Kataria SK and Dalal Sunita 2019 Risk assessment of imidacloprid on soil microbial diversity, Journal of Env. and Bioscience, Vol. 33 (1), June 2019
20. Kavita Sharma, Rajesh & Sudhir Kumar Kataria 2018 The impact analysis of toxicological studies of 2, 4-D exposure on humans and other non-target organisms. International Journal of Research and Analytical Reviews: 5(3), 1524x to 1536x ISSN:23481269
21. Rajesh, Kavita Sharma & Sudhir Kumar Kataria 2018. Toxicity induced due to pesticide exposure on human lymphocytes - A review. International Journal of Research and Analytical Reviews: 5(3) 1612x-1620x ISSN:23481269
22. Rajesh, and Sudhir Kumar Kataria 2018 Effect of genotoxic damage of pesticides on farmers. International Journal of Zoology Studies 3(2)29-32. ISSN: 2455-7269

23. Shefali and Sudhir Kumar Kataria 2017 Histological alterations induced due to malathion and cyclophosphamide exposure in mice. *Journal of Entomology and Zoology Studies* 2017; 5(6): 352-354. E-ISSN: 2320-7078 P-ISSN: 2349-6800
24. Jyoti Chahal and Sudhir Kumar Kataria 2017. Rethinking the Thermal limits of *Drosophilids* to estimate the extinction risk. *J. Enot & Biosc.*, 2017: Vol. 31 (2):431-434. ISSN 0973-6913 (Print), ISSN 0976-3384 (On Line)
25. Sudhir Kumar Kataria, Anil Kumar Chhillar, Ajay K, Monika T and Vinay Malik 2016 Cytogenetic and hematological alterations induced by acute exposure of imidacloprid in mice. *Drug and Chemical Toxicol.*, 39(1):59-65. ISSN 0148-0545
26. Monika Tomar, Ajay Kumar and Sudhir Kumar Kataria 2015 Evaluation of acute toxicity of Lambda Cyhalothrin in *Mus musculus L.* *Ind. J.Exptl. Biol.* 53:551-555. ISSN 0019-5189
27. Sudhir Kumar Kataria and Shefali 2015 Reproductive histological alterations induced due to malathion exposure in female albino mice. *J. Enot & Biosc.* 29(2) 397-399.
28. Ajay Kumar, Monika Tomar, Sudhir Kumar Kataria 2014 Effect of sub-lethal doses of imidacloprid on histological and biochemical parameters in female albino mice. *IOSR-J Env Sc Toxicol Food Tech*, 8(1) IV, 9-15 (e-ISSN: 2319-2402,p- ISSN: 2319-2399) doi-10.9790/2402-08140915 (IF- 1.325).
29. Kapil Dev, Jyoti Chahal, Ravi Parkash and Sudhir Kumar Kataria 2013. Correlated Changes in Body Melanisation and Mating Traits of *Drosophila melanogaster*: A Seasonal Analysis. *Evol Biol* 40: 366-376. DOI 10.1007/s11692-012-9220-5 (IF 3.611) ISSN: 0071-3260 (Print) 1934-2845 (Online)
30. Jyoti Chahal, Sudhir Kumar Kataria & Ravi Parkash. 2013. Invasion and adaptation of a warm adapted species to montane localities: effect of acclimation potential. *The J Exptl Bio*, 216:1578-1586. [ISSN 0022-0949 (print) ISSN 1477-9145 (online)]
31. Jyoti Chahal, Kapil Dev, Sudhir Kataria & Ravi Parkash 2013 Opposite Latitudinal Clines for First Mating and Second Mating (Remating) in Males of *Drosophila melanogaster*. *Ethology*, 119 (11), 926–936 (IF-1.947). ISSN 0179-1613
32. Ajay Kumar, Kavita Sharma, Monika Tomar, Vinay Malik and Sudhir Kumar Kataria 2013 Determination of Mutagenic Potential of Imidacloprid in *Salmonella typhimurium*–TA 98 and TA 100 Following Bacterial Reverse Mutation Assay. *International Journal of Biotechnology and Bioengineering Research*, (ISSN i2231-1238), 4 (7) - 703-710.
33. S. Dalal and Kataria SK. *In Vitro* Enhanced Production of Demethylwedelolactone. *International Journal of Contemporary Research & Review*, Vol.1 (4)/1-3/2010 (e-ISSN: 0976-4852). PR/Indexed in Google Scholar, NewJour, 4 point, DOAJ.
34. S. Dalal and Kataria SK. Phytochemical Screening of Ethanolic Extract & Antibacterial Activity E. prostrate. *Asian Journal of Chemistry/09707077Vol22(9)/7336-7342/2010* (IF=0.465)
35. S Dalal, SK Kataria, KV Sastry and SVS Rana. Phytochemical Screening of Methanolic Extract and Antibacterial Activity of Active Principles of Hepatoprotective Herb-*Eclipta alba*. *Ethnobotanical leaflet* 14: 248-58/2010 (ISSN 1948-3570).
36. Dalal S, Rana SVS, Sastry KVS and Kataria SK. Wedelolactone as an antibacterial agent from *Eclipta alba*. *The Internet J of Microbiology*. 7(1):1-7/2009 (ISSN:1937-8289) (SJR=0.02) h=1
37. S. Dalal and Sudhir K Kataria. Pharmacological investigation of *Eclipta alba* as potent antibacterial agent. *Annals of Biology*: 25, (2): 99-104/ 2009 (ISSN: 0970-0153).
38. S Dalal & S Kataria. Identification of Different Rice Cultivars By SDS-PAGE And Isozyme Analysis. *Acta Botanica Indica* : 37-38 : 1-9/ 2009-10 (ISSN:0379-508X)
39. SK kataria & S. Dalal. Antibacterial activity of Wedelolactone extracted from *Eclipta alba*. *Plant Archives*, 9 (2): 651-654/ 2009 (ISSN: 09725210).
40. J.P. Yadav, Suman Lata, SK Kataria and Sunil Kumar. Fluoride distribution in groundwater and survey of dental fluorosis among school children in the villages of Jhajjar district of Haryana, India. *Envtl. Geochem. Health*. 2008 (online) 31(4):431-438

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41. SK Kataria & S Dalal. Enhanced production of wedelolactone and demethylwedelolactone in cultures of *Eclipta alba*. Plant Archives: 8(2): 675-8 (2008) (ISSN: 09725210).
42. Sudhir Kumar Kataria, Indu Sharma, Seema Dubey, Archana Bhardwaj and Ravi Parkash. Adaptations to alcoholic resources and climatic stress in *Drosophila immigrans*. J. Nat. Con. :6: 1-7/2000. (ISBN: 900467-4-8)
43. Ravi Parkash, Dev Karan, SK Kataria and Ashok Munjal. Phenotypic variability of quantitative traits in Indian populations of *Drosophila kikkawai*. J. Zoo. Syst. Evol. Res. 1999 35: 13-17 (ISSN 0947-5745)
44. SK Kataria, BL Jailkhani and R Parkash. A significant role of adenosine deaminase activity in diagnosis of tuberculosis. Rec. Adv. Biosc. Ocean.: 41-44 (1996).
45. S. Dalal, Priyanka Dagar, Kataria SK and Gita Rani. Removal of Endosulfan residues from Cucumber by Household Processing. Environment and Ecology, Vol. 28 (3) /1630-1633/2010
46. Kavita Sharma, Chahal Jyoti, Rajesh, Sudhir Kumar Kataria. 2015 In vitro chromosomal aberration studies in human blood lymphocytes induced by 2,4 D. IRLS 60-63 (ISBN: 978-81-920945-5-7)
47. Ajay Kumar, Monika Tomar, Kavita Sharma and Sudhir Kumar Kataria 2014 Hepatotoxicity of widely used neonicotinoid insecticide imidacloprid. Reviewed proceeding NGSV2020B, 19-25 (ISBN: 978-81-920945-1-9).
48. Monika Tomar, Ajay Kumar, Kavita Sharma, and Sudhir K. Kataria 2014 Single cell gel electrophoresis: A reliable biomonitoring tool in *in vitro* genotoxicity studies. Reviewed proceeding NGSV2020B, 237-244 (ISBN: 978-81-920945-1-9).
49. Shefali and Kataria SK 2014 Pesticide exposure and its effect on development of children. Reviewed proceeding NGSV2020B, 410-413 (ISBN: 978-81-920945-1-9).
50. Kavita Sharma, Ajay Kumar, Monika Tomar, and Sudhir Kumar Kataria 2014 Genotoxicity assessment due to pesticides by micronucleus assay in human *in vitro* - a review. Reviewed proceeding NGSV2020B, 177-193 (ISBN: 978-81-920945-1-9).
51. Ajay Kumar, Monika Tomar, Kavita Sharma and Sudhir Kumar Kataria 2014 Reproductive histotoxicity of neonicotinoids insecticide – Imidacloprid. Reviewed proceeding NGSV2020B, 69-73 (ISBN: 978-81-920945-1-9).
52. Ajay Kumar, Rajesh and Sudhir Kumar Kataria Histological changes in kidney & spleen following acute sub-lethal exposure of Imidacloprid in Swiss albino mouse. Reviewed Proceedings of National Seminar on PTSG, 20 -24/2013. ISBN: 978-81-920945-3-3
53. Sudhir Kumar Kataria and Sandeep Sharma. Educating awareness a remedial measure revealed by Smoker students of Selected Student Population of District- Jind (Haryana). Reviewed Proceedings of National Seminar on PTSG, 67 – 73/2013. ISBN: 978-81-920945-3-3
54. Sudhir K Kataria and Vinay Malik Pesticides: Classification, Uses and Risks Reviewed Proceedings of National Seminar on PTSG, 108-115/2013. ISBN: 978-81-920945-3-3
55. Kavita Sharma and Sudhir Kumar Kataria. Sister Chromatid Exchange: A Significant Tool for Assessing DNA Damage due to Pesticides in Human Blood Lymphocytes. Reviewed Proceedings of National Seminar on PTSG, 237-247/2013. ISBN: 978-81-920945-3-3
56. Monika, Kavita Sharma and Sudhir Kumar Kataria. Histological Changes in kidney induced by Lambda-Cyhalothrin in Female Mice. Reviewed Proceedings of National Seminar on PTSG, 237-247/2013. ISBN: 978-81-920945-3-3
57. Kavita Sharma, Shefali, Malik V and Sudhir Kumar Kataria Histopathological alterations in kidney of Swiss mice due to malathion exposure. Reviewed Proceedings of National Seminar on PTSG, 268-72/2013. ISBN: 978-81-920945-3-3
58. M Tomar, A Kumar, V Malik and SK Kataria. A review on pesticide toxicity and micronucleus assessment in human. In Prod. Challenges in Combating diseases: Cause

- to cure' 194/2012. ISBN: 978-81-920945-2-6
59. Ajoy Kumar, Vinay Malik, Monika Tomar & Kataria SK 2012. A review on toxicity induced due to organophosphate pesticides in rodents. In Prod. Challenges in Combating diseases: Cause to cure' 353-357/2012. ISBN: 978-81-920945-2-6.
 60. Sunita Dalal and Sudhir Kumar Kataria. Microbial contamination of poultry drinking water. In Prod. Challenges in Combating diseases: Cause to cure' 227/2012. ISBN: 978-81-920945-2-6
 61. Sudhir Kumar Kataria. Adenosine deaminase activity determination in effusions samples positive for anti-tubercular antibodies. In Prod. Challenges in Combating diseases: Cause to cure' 249/2012. ISBN: 978-81-920945-2-6
 62. Sudhir K Kataria. Phylogeny.fr: A bioinformatics tool for robust phylogenetic analysis. In Prod. Challenges in Combating diseases: Cause to cure' 209/2012. ISBN: 978-81-920945-2-6
 63. Vinay Malik, Anil K Chhillar and Kataria S.K. In vivo cytotoxic effects of imidacloprid in mouse bone marrow cells. In Prod. Challenges in Combating diseases: Cause to cure' 358/2012. ISBN: 978-81-920945-2-6
 64. Ravi Parkash, Sudhir Kumar Kataria and Jyoti Chahal. Factors influencing mating in drosophila: current status and future direction. In Prod. Challenges in Combating diseases: Cause to cure' 75/2012. ISBN: 978-81-920945-2-6
 65. Kataria S.K. Aot425StatPgm stimulating results of oral toxicity studies of malathion in mice. In Proc – Internet: Applications in Research. 2011/129/ISBN: 978-81-114920945-1-9.
 66. Kataria S.K. Efficacy of Diagnosis of Tuberculosis Meningitis through Adenosine Deaminase Activity and Enzyme Linked Immunosorbant Assay. In Proc – Internet: Applications in Research: 175/2011/ISBN: 978-81-920945-1-9.
 67. Kataria S.K. & Vinay Malik. Software assisted determination of median lethal dose in acute toxicity studies of imidacloprid in mice. In Proc – Internet: Applications in Research: 76-79/2011/ISBN 978-81-920945-1-9.
 68. A Chaudhary & Kataria SK. Toxicological hazards of nano titanium dioxides. In Proc. "Environmental and health issues in a changing climatic scenario" 2011/50-67.
 69. Vinay Malik, Navdeep & Kataria SK. Cytogenetic Biomonitoring: Micronucleus test. In Proc. "Environmental and health issues in a changing climatic scenario" 178-184/2011
 70. SK Kataria Enzyme linked immunosorbant and adenosine deaminase assay: A diagnostic tool for Tuberculosis meningitis. In Proc: In Proc. "Computing life: Raw to Refined": 202-209/ 2010 (ISBN: 978-81-920945-0-2).
 71. V Malik, Navdeep & SK Kataria. Biomonitoring of genotoxicity due to pesticides. In Proc. Computing life: Raw to Refined 102-106/ 2010 (ISBN: 978-81-920945-0-2)
 72. SK Kataria, Vinay Malik and Navdeep. Comet assay: In vivo DNA damage detection due to environmental stresses. In Proc. Computing life: Raw to Refined: 63-68/ 2010 (ISBN: 978-81-920945-0-2).
 73. SK Kataria & Devi Deen Pandey. Bioprospecting: A Current Developmental Issue in Biodiversity rich Nations. In Proc. Computing life: Raw to Refined: 127-129/ 2010 (ISBN: 978-81-920945-0-2).
 74. Rawat J, S Dalal, SK Kataria & R Singh. Zero budget technology institutional innovation for its transfer and some successes in India. In Proc. Computing life: Raw to Refined: 50-62/ 2010 (ISBN: 978-81-920945-0-2).
 75. SK Kataria, Rajesh, P Dahiya, Manju P & S. Dalal. Ground drinking water fluoride and prevalence of dental fluorosis among school children in two blocks of Rohtak District of Haryana, India. Proc of National Conf on Env. Degradation: Effects, challenges & remedies: 44-47/ 2010.
 76. S. Dalal, Malhan V and SK Kataria. Role of Biotechnology in Ayurveda. Proc New Science Horizons: Recent developments and Future Challenges: 71-73/ 2010

77. SK Kataria ELISA in diagnosis of Tuberculosis meningitis.. In Poc: Applications and special effects of advanced tool & techniques in current Zoology: 36-41/2010.
78. SK Kataria. ADA activity: A diagnostic tool in tuberculous meningitis. In Poc: Applications & special effects of advanced tool & techniques in current Zoology. In Poc: Applications and special effects of advanced tool & techniques in current Zoology: 42-49/ 2010.

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)