

BIO-DATA



- 1. Name** : Dr. Suman Sharma
2. Designation : Professor
3. Department : Zoology and Environmental Sciences
4. Date of Birth : 15.9.1959
5. Address for Correspondence : Dept of Zoology, Punjabi University,
Patiala
Phones : 0175-2286632
Mobile : **098722-76056**
Fax:
E-Mail: **drsumansharma.15@rediffmail.com**
6. Areas of Specialization : Animal Physiology/ Radiation
Biology/Toxicology

7. Academic Qualification :

Sr. No.	Degree Held	Year	Board/Univ/Inst.	% Of Marks	Div./ Rank	Subject Taken
1	B. Sc.	1979	H.P. Univ. Shimla	67.83	Ist	Science(Medical Group)
2	M. Sc.	1981	H.P. Univ. Shimla	60.57	Ist	Zoology(16 Subjects)
3	M. Phil	1983	H.P. Univ. Shimla	68.33	Ist	Zoology
4	Ph. D	1986	H.P. Univ. Shimla	---	----	Zoology (Life Sciences)
5	Certificate Course In German	1983	H.P. Univ. Shimla	60.00	Ist	German language
6	PunjabiPrabodh.	1997	Language Dept.Punjab		----	Punjabi Language

8. Membership Of Professional Bodies /Organizations

- i) Advances In Bio Sciences(An International Journal Of Biological Research) - Life Member
- ii) Punjab Science Congress – Life Member
- iii) Journal of Experimental Zoology, India- Life membership
- iv) Indian Society Of Life Sciences – Trends in Life Sciences (An International Journal) – Annual Member
- v) Bionature – Annual Member International Society Of Bionaturalists
- vi) Uttar Pradesh Zoological Society – Annual Member

9. Medals/Awards/Honours/Received

- i) Stood 1st in Univ. in M. Phil.
- ii) Stood 2nd in Univ. in M. Sc.

10. Scholarships

- i) Always got Merit Scholarships for Studies
- ii) Got H. P. University Merit Scholarships in M. Sc, M. Phil and Ph.D

11. Details of Experience:

S. No.	Name of Inst./Employer	Position Held	Duration	Major Job Responsibility and Nature Of Experience
1	Govt. College Bilaspur(H.P.)	Lecturer	3 Months	Teaching (1.9.1986 – 30.11.1986)
2	S.D. College Panipat Haryana	Lecturer	1 Month 24 Days	Teaching (11.9.1987 – 4.11.1987)
3	Jawahar lal Nehru Rajkeya Mahavidyalya Port Blair Andaman	Lecturer	9 Months 3 Days	Teaching (8.8.1989 – 31.5.1990)
4	Punjabi Univ. Patiala	Sr. Lecturer	11 Years	Teaching & Research
5	Punjabi Univ. Patiala	Associate Prof.	Aug 2004- July, 2010	Teaching & Research
6	Punjabi Univ. Patiala	Professor	Aug, 2010- till date	Teaching & Research

12. Published Work (Numbers Only): 65

- a. Research Papers i) **National = 37**
- ii) **International = 28**

b. Conference/Seminar Presentation : List Attached

13. Ph. D. Students guided/under guidance Details

Ph.D.: 8 (Completed), 8 (Registered)

M.Phil thesis: 7 (Completed)

14. List of Papers/Courses taught at P.G. and U.G. Level

S. No.	Paper	Class
1.	Functional Anatomy	M. Sc. Ist Year
2.	Biochemistry, Cell & Molecular Biology	M. Sc. Ist Year
3.	Invertebrates – Structure & Function	M. Sc. Ist Year
4.	Metabolic Regulation and Cell Function	M. Sc. Ist Year
5.	Reproductive Physiology	M. Sc. IInd Year
6.	Environmental Physiology	M. Sc. IInd Year
7.	Biology of Parasites	M. Sc. IInd Year
8.	Comparative Animal Physiology	M. Sc. IInd Year
9.	Biochemistry	M.Sc Ist Year
10.	General Endocrinology	M.Sc IInd Year
11.	Cell Physiology	M.Sc IInd Year

15. Administrative Experience:

- i. **Head**, Dept. of Zoology & Env. Sciences 1-1-2016 to 31-12-2018
- ii. **Member**, UGC, Travel Grant Scheme Sept-2015 to Sept-2016
- iii. **Member**, Senate, Punjabi University, Patiala 14-7-2017 to 29-6-2019
- iv. **Member**, Technical Committee, Punjab Pollution Control Board 4.1.2018- till date
- v. **Member**, Syndicate, Punjabi University, Patiala 9-7-2018 to 29-6-2019
- vi. **Member**, Academic Council 29-8-2018 to 26-7-2019
- vii. **Member**, Research award committee, Physical sciences Dec-2018 to 31-12-2019
- viii. **Member**, Board of Undergraduate Studies in Zoology 3-1-2019 to 31-12-2019

LIST OF PUBLICATIONS

PAPERS PUBLISHED:

1. N. K. Gupta, Ashok Kumar and Suman Sharma, "Acid Phosphatase activity in the liver of Indian desert gerbil" (Meriones, Jerdon) exposed to internal beta – irradiation. Radiobal. Radiother. 26 (1985) H. 5, 623-628.
2. N. K. Gupta, Ashok Kumar and Suman Sharma, "A Hypothesis on the Paradoxial influence of exogeneous hyperinsulism on the process of

- mammary tumorigenesis elicited by DMBA in rats". *Nat. Acad. Sci. letters*, Vol. 14, No. 12, 1991.
3. Suman Sharma and Ashok Kumar, "Formation of Giant cells in the liver of Swiss albino mice" exposed to internal beta- irradiation and their chemical modifications by MPG". *Bulletin of Pure & Applied Sciences*, Vol 13A (No. 2) 99-108, 1994.
 4. Suman Sharma and Ashok Kumar, "Radiosensitivity of Goblet cells to ⁴⁵Ca beta-irradiation and their protection by MPG". *Bulletin of Pure & Applied Sciences*, Vol 13 (No. 2) 109-115, 1994.
 5. Suman Sharma, Radioprotective effects of MPG on radiocalcium injected liver of Swiss albino mice". *Environment and Ecology* 13(3) 655-659, 1995.
 6. Suman Sharma, "Response of Intestine in continuous MPG fed Swiss albino mice after beta- irradiation". *Bulletin of Pure & Applied Sciences*, Vol. 14 (No. 1): 109,1995.
 7. Suman Sharma, Histopathological changes caused by Radiocalcium in intestine of Swiss albino mice". *Bionature* 16(1&2) P. 9-13, 1996.
 8. Suman Sharma and Ashok Kumar, "Histopathological lesions caused by beta-irradiation in liver of Swiss albino mice". *Advances in Biosciences*, Vol. 16(1) P. 49-56. 1997.
 9. Suman Sharma, "Pyknosis & Enucleation of Hepatocytes following beta- irradiation in Swiss albino mice" Abstract. National Symposium on Recent Trends in Zoological Sciences. Deptt. Of Zoology, Punjabi Univ. Patiala, 2003.
 10. Suman Sharma, "Dose dependent formation of Pyknotic and Enucleated cells in liver of swiss albino mice". *Trends in life Sciences (India)* Vol. 19 (1) : 55-58. 2004.
 11. Suman Sharma, "Modification of cellular damage induced by beta – irradiations in gastrointestinal tract of Swiss albino mice by MPG". *Trends in Life Sciences (India)* Vol. 19 (2): 111-115. 2004.
 12. Zorawar Singh and Suman Sharma
"Vanjeevan: Mahattav Atte Sanbhal" *Vigyan De Naksh*. Vol. 41. 2004.
 13. Suman Sharma, Effects of Radiocalcium on intestine Globlet cell kinetics". *Journal, Punjab Academy of Sciences*. Vol. 1 (1). 2004.

14. Suman Sharma, "Quantitative estimation of proliferative population size in intestine of Swiss albino mice following radiocalcium and MPG treatment". *Uttar Pradesh J. Zoo.* Vol. 25 (3) : 295-297. 2005.
15. Suman Sharma, "Mode of action of a potent Sulphydryl radioprotector MPG in reducing radiocalcium induced damage in Swiss albino mice". *Uttar Pradesh J. Zool.* Vol. 27 (1) : 39-42. 2007.
16. Suman Sharma and Priyanka Bansal , "Assessment of Diabetogenic effect of Alloxan on liver of Swiss albino mice". *J. Exp. Zool. India* Vol.10, No.1, pp.181-184, 2007.
17. Suman Sharma, Priyanka Bansal and Lalita Raheja, "Effect of Liver and Pancreas in Swiss albino mice". *Uttar Pradesh. J. Zool.*Vol. 27 (2) :209-213, 2007.
18. Suman Sharma and Parminder Tangri, "Effect of different modes of smoking on serum lipids and lipoprotein profile". *Uttar Pradesh J. of Zool.* Vol.28 (1) : 73-76, 2008.
19. Sharma Suman and Deepti Minhas, "Impact of moderate alcohol consumption on lipid and lipoprotein levels and blood pressure".*Uttar Pradesh.J.Zool.*,Vol.30(1):115-121,2010.
20. Sharma Suman and Deepti Minhas, "Alcohol consumption as a risk factor for hypertension:a study in rural Punjabi population".*J.Exp.Zool.India*,Vol.13(1):75-77,2010.
21. Suman Sharma and Deepti Minhas, "Alcohol abuse in rural areas of Punjab (INDIA)". *Uttar Pradesh.J.Zool.*, Vol.30(2): 225-228, 2010.
22. Suman Sharma and Amar Santosh Dhalla, "Effect of cocktail of pesticides on cholinesterase and malondialdehyde in rural Punjabi spray workers." *Journal of Experimental Zoology India*, **13**(2): 499-502. 2010.
23. Suman Sharma and Komaljit Kaur, "Evaluation of toxic effects of methyl parathion on testes and accessory reproductive organs of albino mice." *Journal of Experimental Zoology India*, **14**(1): 165-169. 2011.
24. Suman Sharma and Komaljit Kaur, "Impact of methyl parathion toxicity on testicular hormonal profile of male albino mice." *Uttar Pradesh Journal of Zoology*, **31**(1): 49-54.2011.

25. Suman Sharma, Kuljeet Kaur and Amar Santosh Dhalla, "Toxicological effects of methyl parathion and protection afforded by ascorbic acid in small intestine of swiss albino." *Journal of Life Sciences*. 3(2): 121-126. 2011.
26. Suman Sharma and Sandeep Kaur, "Histopathological effects of acute and chronic doses of cadmium on testes on albino mice." *J. Exp. Zool. India*, Vol. 15 (1): 107-111, 2012.
27. Suman Sharma and Amar Santosh Dhalla, "Hematological alteration in pesticide exposed rural Punjabi farm workers". *J. Exp. Zool. India*, Vol. 15 (1): 241-243, 2012.
28. Komaljit Kaur and Suman Sharma, "Evaluation of the reproductive toxicity of methyl parathion in male albino mice." *Academic Journal of Science*, USA, CD-ROM. ISSN: 2165-6282: Vol. 1(3):219-232, 2012.
29. Suman Sharma and Gurkamaldeep Singh, "Assessment of obesity among school going boys in rural areas of district Ludhiana. *J. Exp. Zool. India*. Vol. 15(2): 601-604, 2012.
30. Suman Sharma and Gurkamaldeep Singh, "Coexistence of obesity and anemia among school going boys in rural areas of district Ludhiana, Punjab." *J. Exp. Zool. India*. Vol. 16 (1). 2013.
31. Suman Sharma, Y.Y Rawal and Monita Dhiman, "Cycloid scale- a bioindicator of arsenic pollution-a laboratory induced toxicity study using SEM." *J. Exp. Zool. India*. Vol. 16 (1). 2013.
32. Suman Sharma and Sandeep Kaur 2013. Comparative Toxicity of cadmium in liver and testes of albino mice following chronic exposure. *Uttar Pradesh J. Zool.*, 33(1): 91-97.
33. Suman Sharma, Sandeep Kaur and Komaljit Kaur. 2013. Histopathological and Histometric effects of cadmium on liver of albino mice. *Biochemical and Cellular Archives*, 13(1): 47-51.
34. Komaljit Kaur, Suman Sharma and Sandeep Kaur 2013. Methyl parathion induced histomorphological alterations and quantification of cell populations in seminiferous tubules of albino mice. *Biochemical and Cellular Archives*, 13(1): 145-149.

35. Suman Sharma and Sandeep Kaur 2013. Evaluation of ameliorating efficacy of ascorbic acid and garlic on cadmium induced histomorphologic changes in testes of albino mice. *J. Exp. Zool. India*. 16(2): 499-503.
36. Suman Sharma, Umesh N.Jindal and Sumeet Bajwa. 2013. Clinical presentation of hirsutism. *Biochemical and Cellular Archives*, 13(1): 119-124.
37. Zorawar Singh, Pooja Chadha and Suman Sharma. 2013. Evaluation of oxidative stress and genotoxicity in battery manufacturing workers occupationally exposed to lead. *Toxicology International*, 20(1): 95-1000.
38. Amar Santosh Singh and Suman Sharma. 2013. Assessment of serum cholinesterase in rural Punjabi sprayers exposed to a mixture of pesticides. *Toxicology International*, 20(2): 154-159.
39. Suman Sharma, P.Vijaya and Sandeep Kaur, 2013. Alleviating effects of lycopene against cadmium induced Hepatotoxicity in Swiss albino mice. *Biochemical and Cellular Archives*, 13(2): 281-286.
40. Suman Sharma and P.Vijaya. 2014. Protective effect of lycopene on cadmium induced toxicity in pancreas of albino mice. *Biochemical and Cellular Archives*, 14(2): 349-354.
41. Monia Dhiman, Y.K. Rawal and Suman Sharma. 2014. Alterations in biochemical parameters induced by AS₂O₃ and their recovery in grass carp, *Ctenopharyngodon idellus*. *Cibtech Journal of Zoology*, 3(3): 66-73.
42. Suman Sharma and P.Vijaya, 2015. Ameliorating potential of lycopene against cadmium toxicity in kidney of albino mice. *International Journal of Advanced Research*, 3(2): 766-770.
43. Sandeep Kaur and Suman Sharma, 2015. Evaluation of toxic effect of cadmium on sperm count, sperm motility and sperm abnormality in albino mice. *International Journal of Advanced Research*, 3(3): 335-343.
44. Suman Sharma and P.Vijaya, 2015. Cardioprotective effects of lycopene against cadmium induced toxicity in albino mice. *International Journal of Health Sciences and Research*, 5(8): 507-513.

45. Sandeep Kaur and Suman Sharma, 2015. Assessment of biochemical alterations induced by acute and chronic doses of cadmium in albino mice. *Asian Journal of Pharmacology and Toxicology*, 3(7): 1-4.
46. Suman Sharma and P.Vijaya, 2015. Protective role of Lycopene against cadmium induced Hematological changes in Swiss albino mice. *Asian Journal of Biomedical and Pharmaceutical Sciences*, 5(49):17-20.
47. Suman Sharma and P.Vijaya, 2015. Nephrotoxic effects of cadmium. *Trends in life sciences*. 4(4): 352-357.
48. Suman Sharma and Anjali Singh Gill, 2015. Protective efficacy of ginger against arsenic induced Hepatotoxicity in Swiss Albino mice. *International Journal of Advanced Research*, 3(10): 580-585.
49. Suman Sharma, Anjali Singh Gill, Zorawar Singh, Charanjit Kaur and P. Vijaya, 2016. Nephrotoxic Effects of Arsenic in Albino Mice. *American Journal of BioScience*, 4(3-1): 1-4.
50. Amar Santosh Singh and Suman Sharma, 2016. Assessment of Serum Malondialdehyde among Rural Punjabi Pesticide Sprayers. *Online International Interdisciplinary Research Journal*, 6(3): 68-78.
51. Suman Sharma and Harsimran Kaur. 2016. Assessment of alterations induced by fly ash on some biochemical parameters in *Eisenia fetida*. *International Journal of Advanced Research*, 4(5): 754-759.
52. Suman Sharma and Amrita Kumari. 2016. Amelioration of curcumin against cadmium induced oxidative stress in lung of albino mice. *International Journal of Advanced Research*, 4(5): 1020-1026.
53. Suman Sharma and P.Vijaya, 2016. Protective efficacy of tomato extract against cadmium induced toxicity in albino mice. *World Journal of Pharmacy and Pharmaceutical Sciences*, 5(8): 1091-1102.

54. Suman Sharma and Anu, 2017. Effect of *curcuma longa* supplementation on lipid peroxidation, serum amylase, lipase activities in mice exposed to cadmium. *International Journal of Advanced Research*, 5(12), 786-792.
55. Suman Sharma and P.Vijaya 2017. Ameliorating effect of aqueous garlic extract supplementation on cadmium induced toxicity in albino mice. *International Journal of Advanced Research*, 5(7): 1837-1845.
56. Suman Sharma and Harsimran Kaur. 2018. Effect of fly ash and *P.hysterophorus* on the antioxidant status of earthworm (*Eisenia fetida*). *Journal of Innovations in Pharmaceutical and Biological Sciences*, **5(2)**:53-57.
57. Suman Sharma and Harsimran Kaur. 2018. Effect of Various Wastes on Biochemical Profile of Earthworm, *Eisenia Fetida*. *International Journal of Scientific Research and Reviews*, **7(3)**: 2103-2115.
58. P.Vijaya and Suman Sharma 2018. Protective effects of natural antioxidant supplementation on cadmium induced toxicity in albino mice. *Journal of Innovations in Pharmaceutical and Biological Sciences*, 5(2): 16-21.
59. P.Vijaya and Suman Sharma 2018. Ameliorating Efficacy of garlic and tomato extract against cadmium induced renal toxicity in albino mice. *Journal of Pharmaceutical, Chemical and Biological Sciences*, 6(2):13-22.
60. Suman Sharma and Manpreet Kaur Chahal. 2018. Analysis of water quality parameters of groundwater in Sangrur District of Punjab (India). *Journal of Emerging Technologies and Innovative research*, **5(8)**:200-208.
61. Suman Sharma and Manpreet Kaur Chahal. 2018. Analysis of heavy metals content in the agricultural soil of Sangrur district, Punjab, India. *International Journal Of Research and Analytical Reviews*, **5(4)**:829-834.
62. Suman Sharma and Amrita Kumari. 2018. Protective effect of curcumin on cadmium induced alteration in serum lipid profile of albino mice. *Journal of Innovations in Pharmaceutical and Biological Sciences*, **5(2)**:49-52.
63. Suman Sharma and Amrita Kumari. 2018. Protective effect of *Curcuma longa* administration on lung of mice exposed to cadmium. *Asian Journal of Pharmaceutical and Clinical Research*, **11(10)**: 536-539.

64. Suman Sharma and Anu. 2018. Curcumin protection against cadmium induced oxidative stress in pancreas of swiss albino mice. *Asian Journal of Pharmaceutical and Clinical Research*, **11(11)**: 393-397.
65. Suman Sharma and Anjali Singh Gill. 2018. Restorative effects of *Zingiber officinale* on arsenic-induced genotoxic effects in chromosomal structure of mice. *Asian Journal of Pharmaceutical and Clinical Research*, **11(7)**: 471-475.

Awarded **Paruchuri Venkata Rao Garu, Kamalamba Garu Memorial Award and Certificate of Excellence** in 2013.

CONTRIBUTION TO SEMINARS/CONFERENCES **SYMPOSIA**

A. Participation In:

1. XXVIII Annual Conference of Indian Pharmacological Society Patiala, 1995.
2. 83rd of Indian Science Congress, Patiala, 1996.
3. First Punjab Science Congress, Patiala, 1997. Session
4. 14th National Symposium on Recent Trends in Life Sciences, Patiala, 1997.
5. Punjabi Vikas Conference, Punjabi University Patiala, 1998.
6. Fifth International Symposium on Vectors and Vector Borne Diseases, Patiala, 2000.
7. International Conference on Pathophysiology and Drug Therapy of Cardiovascular Disorders, Patiala. 2001.
8. Fifth Punjab Science Congress, Thapar Institute of Engineering and Technology, Patiala, 2002.
9. National Symposium on Recent Trends in Zoological Sciences, Patiala, 2003.
10. Seminar cum Training programme on Electron Microscopy, Kurukshetra University and Saif Chandigarh, 2004.
11. 7th International Symposium on vectors and vector borne diseases Feb 18-20, organized by Dept. of Zoology Pbi. Univ. Patiala, 2005.
12. "National Congress of Entomology" held at Punjabi University, Patiala from March 15-17, 2006.

13. International Conference On Ants and Other Social Hymenoptera (6th ANet). Oct. 10-13 organised by Dept. of Zoology Pbi. Univ. Patiala. 2007.
14. National Seminar on Technical advances in environment management and applied zoology Kurukshetra Univ. Kurukshetra. Paper presentation & chaired session. Jan. 23-25, 2008.
15. National Symposium on Biodiversity cell & Molecular Biology. Feb. 26-27, Dept. of Zoology, Centre of advanced studies, Punjab University, Chandigarh. 2008.
16. International Conference on Entomology Feb 20-22, 2009, Dept of Zoology, Punjabi University, Patiala
17. 2nd National Symposium on Biodiversity: Cell & Molecular Biology March 1-2, Dept of Zoology Panjabi University, Chandigarh, 2009.
18. National Conference on Managing climate change: molecules to communities. March 21-22, 2009, Kurukshetra University, Kurukshetra.
19. 13th Punjab Science Congress climate change: concerns and solutions Feb 7-9, , Dept of Zoology, Panjab University, Chandigarh, 2010.
20. National Conference on advances in biological sciences, March 29-30, 2010, Panjab University, Chandigarh.
21. National Conference on environmental degradation and its impact on mankind, Nov 19-20, 2010, Dept of Zoology, Punjabi University, Patiala.
22. International Conference on Mainstreaming Gender: issues and challenges held at Women's studies centre, Punjabi University, Patiala on Nov 25-26, 2011.
23. International Conference on Entomology from 17-19 Feb, 2012 held at Punjabi University, Patiala.
24. National Symposium on Emerging Trends in Biotechnology on Feb 24, 2012 held at Multani Modi College, Patiala.
25. National Conference on Man and Environment on Oct 15-16, 2012 held at Department of Zoology and Environmental Sciences, Punjabi University, Patiala.
26. International Conference on Women, Peace and Security on Oct 26-27, 2012 held at Punjabi University, Patiala.

27. Workshop on “Practical Aspects on Importance of Patents in Research” (PAIPR)-2013 Intellectual Property Right Cell (IPR-Cell), Punjabi University, Patiala and PSCST, Chandigarh.
28. IInd Annual conference on “Science:Emerging Scenario and future challenges-II” held at Himalayan Forest Research Institute, Shimla from 17-18 May, 2014.
29. National conference on “Environmental Challenges, Human Health and Society” organized by University Maharaja College and ISLS, Jaipur from September 8-10, 2016.
30. 2nd National Symposium on “Emerging Trends in Biological Sciences” held at M.M. Modi College, Patiala on 12th November 2016.
31. “National Conference on emerging trends in biotechnology” at Gn. Shivdev Singh Diwan Gurbachan Singh Khalsa College, Patiala on 8th October, 2016.
32. “International Conference in Zoological Sciences” held at Department of Zoology and Environmental Sciences, Punjabi University, Patiala from October 26-28, 2017.
33. 9th National conference on “Recent Advances in Chemical, Biological and Environmental Sciences” held at M.M Modi College, Patiala from 9th to 10th February 2018.
34. “Current Trends in Science in Punjab”organized by Department of Human Genetics, Punjabi University, Patiala on 28th March 2018.
35. “**1st International Earthworm Congress**” organized by Shanghai Jiao Tong University, Shanghai, China, from 23-30, June, 2018.

B. Abstracts Contribution :

1. Sharma Suman. 1995. Deleterious effects of beta – irradiation on intestine of Swiss Albino Mice. XI Symposium on Developmental Biology, Deptt. Of Biosciences, Maharishi Dayanand University, Rohtak.
2. Suman Sharma. 2003. Pyknosis and Eucleation of Hepatocytes following beta – irradiations in Swiss Albino Mice. National Symposium on Recent Trends In Zoological Sciences, Dept. Of Zoology, Punjabi University, Patiala.
3. Suman Sharma and Parminder Tangri. 2008. Cumulative effects of smoking and alcohol consumption on serum lipid and lipoprotein levels in rural male population. National Seminar on Technical advances in environment management and applied zoology Kurukshetra Univ.Kurukshetra.

4. Sharma, S. , Kaur, S. and Kaur K (2009) Cytotoxic effects of cadmium on liver and testes of albino mice. *National Seminar on managing climate changes: Molecules to Communities*. Department of Zoology, Kurukshetra University, Kurukshetra. pp 43. (Abstract).
5. Suman Sharma, Raviinder singh and Amar Santosh Singh 'Hepatotoxic effect of pesticides in rural punjabi spray workers' *National Seminar on Managing Climate change: Molecules to Communities*. March 21-22, 2009. Kurukshetra Univ. Kurukshetra. (Abstract published P-26)
6. Sharma, S. and Kaur, S. (2010) Evaluations of Cadmium induced toxicity on testes of Male albino mice. *2nd National Confernce on Recent Advances in Climate & Environmental sciences*. Multani Modi College pp 92. (Abstract).
7. Sharma, S. and Kaur, S. (2010) *Histopathological and histometric effects of acute and chronic doses of cadmium on liver of albino mice*. *National conference on environment degradation and its impact on mankind*. Punjabi University Environment Society and Department of Zoology, Punjabi University, Patiala.(Abstract).
8. Suman Sharma and Komaljit Kaur.2010. Effect of acute toxicity of methyl parathion on sperm motility on male albino mice. National Conference on Advances in Biological Sciences, Panjab University, Chandigarh.
9. Suman Sharma, Ravinder Kaur and Deepti Minhas. 2010. Effect of thiourea on histomorphology of lungs in swiss albino mice. National Conference on Advances in Biological Sciences, Panjab University, Chandigarh.
10. Suman Sharma and Komaljit Kaur.2010. Evaluation of endosulfan induced hormonal and histopathological effects on testis of albino mice. National Conference on Environment degradation and its impact on mankind, Dept of Zoo, Pbi. Uni. Patiala.
11. Suman Sharma and Maninderjeet Singh Sidhu. 2010. Electron microscopic studies on hematology of albino mice treated with endosulfan and ascorbic acid. National Conference on Environment degaradation and its impact on mankind, Dept of Zoo, Pbi. Uni. Patiala.
12. Suman Sharma,Umesh N.Jindal and Sumeet Bajwa.2010.A clinical presentation on Hirsutism. National Conference on Environment degaradation and its impact on mankind, Dept of Zoo, Pbi. Uni. Patiala.

12. Suman Sharma, Y.K. Rawal and Monita Dhiman. 2010. Use of cycloid scale grass carp, *Ctenopharyngodon idellus* as pollution indicator of arsenic. National Conference on Environment degradation and its impact on mankind, Dept of Zoo, Pbi. Uni. Patiala.
13. Suman Sharma and Amar Santosh Dhalla 'Effect of pesticides on cholinesterase enzyme and lipid peroxidation in the blood of farmworkers from district bathinda' *National Symposium on Advances in Biology*. March 28-29, 2010. Dept. of Zoology, Panjab University, Chandigarh. (Abstract published P-44 and Poster presented)
14. Suman Sharma and Amar Santosh Dhalla "Hematological alteration in occupationally pesticides exposed rural punjabi workers" *National conference on environmental degradation and its impact on Mankind*. November 19-20, 2010. Department of Zoology, Punjabi University, Patiala. (Abstract published P-81 and Oral Presented O-65)
16. Y.K. Rawal, Suman Sharma and Monita Dhiman, 2011. Ultrastructural study of arsenic induced effects in the kidney of an exotic fish, *Ctenopharyngodon idellus* (Cuvier and Valenciennes, 1844) using transmission electron microscope. International conference on Electron Microscopy held at Ramoji Film City, Hyderabad.
17. Suman Sharma and Gurkamaldeep Singh. 2012. Prevalence of anemia among overweight and obese school going boys. National Symposium on Emerging Trends in Biotechnology held at Multani Modi college, Patiala.
18. Suman Sharma and Komaljit Kaur. 2012. Reproductive toxicity of endosulfan in albino mice. National Symposium on Emerging Trends in Biotechnology held at Multani Modi college, Patiala.
19. Amar Santosh Dhalla and Suman Sharma 'Effect of cocktail of pesticides on cholinesterase and lipid peroxidation in the blood of farmworkers' *International Conference on Entomology*. February 17-19, 2012. Dept. of Zoology and Environmental Sciences, Punjabi University, Patiala. (Poster presented)
20. Suman Sharma and Amar Santosh Dhalla 'Evaluation of effect of mixture of pesticides on aminotransferases and lipid profile of rural punjabi sprayers' *National Symposium on education and research in forensic science: Issues and Challenges*. March 15-16, 2012.

Department of Forensic science, Punjabi University, Patiala. (Abstract published P-34 and Poster Presented PP-02)

LIST OF MEMBERSHIP OF PROFESSIONAL/ ACADEMIC BODIES:

1. Society of Biosciences: Advances in Biosciences
(An International Journal of Biological Research) -- Life
Member
2. Journal Punjab Academy of Sciences: -- Life
Member
3. Uttar Pradesh Zoological Society: Uttar Pradesh
Journal of Zoology (An International Journal of Zoology) -- Life
Member
4. The Society of Bionaturalists: Bionature
(International Journal for Variation) -- Annual
Member
5. Indian Society of Life Sciences: Trends in Life
Sciences (An International Journal) -- Annual
Member

LIST OF TITLES OF M.Sc. DISSERTATION

1. Gurpreet Kaur (2005): Histopathological and histochemical effects of thiourea on thyroid of swiss albino mice.
2. Lalita Raheja (2005): Effects of alloxan induced diabetes on the pancreas of swiss albino mice-histopathological and histochemical studies
3. Priyanka Bansal (2005): Histopathological and histochemical effects of alloxan on liver of swiss albino mice.
4. Vijay Inder Singh (2005): Thiourea induced histomorphological and histochemical changes occurring in the liver of swiss albino mice.
5. Jagwinder Singh (2006): Malnutrition and its correlation with dental caries among Punjabi children.
6. Kamalpreet Kaur (2006): Leukorrhoea and its management.

7. Parminder Singh (2006): A comparative study of some biochemical parameters in relation to CHD in male smokers and non-smokers.
8. Ravinder Kaur (2006): Histopathological changes induced by thiourea in lungs and testes of swiss albino mice.
9. Rupinder Kaur (2006): PTC Taste sensitivity in relation to age and social habits.
10. Sapna Sharma (2006): Epidemiological studies pertaining to breast cancer and associated risk factors.
11. Sukhwinder Kaur (2007): Neonatal jaundice and its management.
12. Deepti Minhas (2008): A study to evaluate some biochemical parameters in relation to alcohol consumption and CHD in rural male population of District Hoshiarpur (Punjab).

LIST OF TITLES OF M.Phil THESIS

1. Ravi Inder Singh (2009): Adverse effects of pesticides on some biochemical and hematological parameters: a study in rural farm workers of District Moga (Punjab).
2. Sandeep Kaur (2009): Cytotoxic and biochemical effects of cadmium on liver and testes of albino mice.
3. Kuljeet Kaur (2010): Role of Vitamin C in prevention of toxic effects of methyl parathion on some organs of albino mice.
4. Maninder Singh (2011): To assess the effects of ascorbic acid on haematology and spleen of albino mice treated with endosulfan.
5. P.Vijaya (2013): Assessment of protective effect of lycopene on cadmium induced histomorphological and biochemical parameters in some organs of mice.
6. Charanjit Kaur (2014): Assessment of ameliorating potential of tomato puree on arsenic induced toxicity in ovary and uterus of albino mice.
7. Prabhjot Kaur (2017): Protective effect of ginger on arsenic induced oxidative stress in different organs of swiss albino mice.

LIST OF TITLES OF Ph.D THESIS UNDER SUPERVISION

1. Amar Santosh Dhalla: Evaluation of some biochemical changes by the pesticide stress among rural population of District Bathinda. (completed)

2. Komaljit Kaur: Comparative study of endosulfan and methyl parathion on reproductive efficacy of male albino mice. (completed)
3. Gurkamal Singh: Prevalance of obesity and anemia among school going boys of District Ludhiana: Epidemiological and biochemical study. (completed)
4. Sumeet Bajwa: Aetiological and pathological study of polycystic ovary syndrome in women. (completed)
5. Monita Dhiman: Impact of arsenic on some selected tissues of an exotic carp, *Ctenopharyngodon idellus*. (completed)
6. Sandeep Kaur: Ameliorating efficacy of ascorbic acid and garlic against cadmium induced toxicity in liver and testes of albino mice. (completed)
7. Anjali Singh Gill: Evaluation of ameliorating effects of *Ocimum sanctum* and *Zingiber officinalis* on genotoxicity and oxidative stress induced by arsenic in albino mice. (completed)
8. P.Vijaya: Protective and therapeutic efficacy of garlic and tomato against cadmium induced neuropathy and nephropathy in albino mice. (completed)
9. Anu: Ameliorating efficacy of curcumin on ultrastructure and gene expression in pancreas of cadmium intoxicated albino mice.
10. Amrita Kumari: A Biochemical and ultrastructural study on antioxidant activity of curcumin on lung and heart against cadmium induced oxidative stress in albino mice.
11. Manpreet Kaur: Translocation and risk assessment of heavy metals from soil to major crops in Sangrur district, Punjab.
12. Harsimran Kaur: Impact of some environmental pollutants on health of *Eisenia fetida* (Savigny) (Lumbricidae: Annelida).
13. Saroj Rani: Efficacy of Spinach and Tomato Extract Against arsenic toxicity in spleen and thymus of albino rats.
14. Blossom Rani: Modulatory effects of spinach and tomato extract on sodium arsenite induced thyrotoxicity in albino rats.
15. Chetna Ahuja: Amelioration of cadmium induced hormonal disruption by curcumin in albino rats.
16. Rajdeep Singh: Morphology, Histology and Ultrastructure of venom apparatus in some species of genus *Camponotus* Mayr, 1861 (Hymenoptera:Formicidae).

