


Department of Zoology
Faculty Details Performa

Name	Dr. Zorawar Singh	Photograph 
Designation	Associate Professor	
Date of Birth	07-10-1981	
Office Address	Department of Zoology, Khalsa College Amritsar	
Residence	2, Vikas Nagar, Amritsar	
Phone No.	9417230075	
Email	singhzorawars@gmail.com	
Educational Qualifications		
Degree	Institution	Year
B.Sc.	Punjab University, Chandigarh	2000
M.Sc.	Punjabi University, Patiala	2002
B.Ed.	College of Education, Sudhar	2003
Ph.D.	Guru Nanak Dev University, Amritsar	2014
Career Profile		
Organisation	Designation and Duration	Role
Khalsa College Amritsar	Associate Professor, (2004 onwards)	Teaching and Research
Administrative Assignments		
<ul style="list-style-type: none"> • NSS Incharge, Khalsa College Amritsar • Assistant Director, IQAC, Khalsa College Amritsar • Co-ordinator of Blood Donation Association, Khalsa College Amritsar. • Former Co-Convener to Zoological Society, Khalsa College Amritsar (2018-2022) • Former Co-Convener to Environmental Society, Khalsa College Amritsar. • Former Incharge Departmental Library, KCA 		
Area of Interest/ Specialization		
Animal Physiology, Genetic Toxicology, Environmental Science		
Subjects Taught		
Undergraduate		Post Graduate
Biodiversity Ecology		Functional Organization of Animals – Vertebrates and Invertebrates
Research Guidance		
PhD Thesis/M.Phil.		
Research Publications		
<u>Publication Profile</u>		
<ul style="list-style-type: none"> • Publications: 89 • Citation: 1305; h index: 15; i10-index: 14 • Chapters in books: 2 (Published) • Article in newspaper: Nil 		

Papers in research Journals

2024-25

89. Kaur S, Singh Z and Singh B (2025) Plastic-eating Bacteria as a Remedy for Plastic Pollution. *Environmental Science Archives* 4(1): 14-20.
88. Singh B, Singh S, Dhau JS and Singh Z (2025) Degradation of Orange G, Methyl Orange and Methylene Blue using Different Photocatalytic Systems. *Environmental Science Archives* 4(1): 7-13.
87. Singh Z (2025) Emerging Challenges of E-Waste Management: Serious Threats to Environmental Safety. *Environmental Science Archives* 4(1): 1-6.

2023-24

86. Singh Z and Kaur N (2024) Toxicological Evaluation of Copper Oxide Nanoparticles using *Allium cepa*. *Environ Sci Arch* 3(2): 1-6.
85. Puri P, Singh Z and Kaur G (2024) Toxicological Aspects Related to Environmental Arsenic Exposure. *Environ Sci Arch* 3(1): 72-86.
84. Singh Z and Puri P (2024) Genotoxicity and its Applications: *Allium cepa* as an Appropriate Testing Model. *Environ Sci Arch* 3(1): 1-4. DOI: 10.5281/zenodo.10448182

2022-23

83. Singh Z (2023) Health with Hotness. *Trends in Phytochemical Research* 7(2): 86-88. doi: 20.1001.1.25883623.2023.7.2.1.6
82. Dhau JS and Singh Z (2023) Toxicological Studies as a Tool to Restore Environmental Conditions. *Environ Sci Arch* 2(STI-2):1-2. DOI: 10.5281/zenodo.7524187
82. Kaur S, Gupta H and Singh Z (2023) *Daphnia magna* as a model animal for assessing microplastic toxicity. *Environ Sci Arch* 2(1): 28-33.
81. Kaur S, Gupta H and Singh Z (2023) Heavy Metal Remediation: A much- needed Strategy for Removal of Environmental Contaminants. *Environ Sci Arch* 2(STI-2):45-53. DOI: 10.5281/zenodo.7665592
80. Singh Z (2023) Nanotoxicological Studies: Still in their Infancy. *Environ Sci Arch* 2(1):1-3. DOI: 10.5281/zenodo.7497803

2021-22

79. Gupta H, Kaur S and Singh Z (2022) *Denio rerio* as a model animal for assessing microplastic toxicity. *Environ Sci Arch* 1(2): 98-103. DOI: 10.5281/zenodo.7213069
78. Kaushal S and Singh Z (2022) Organic Farming: A Step towards Better Environment. *Environ Sci Arch* 1(2):53-59. DOI: 10.5281/zenodo.7133146
77. Singh Z (2022) Microplastics are everywhere. *Environ Sci Arch* 1(1):1-3. DOI: 10.5281/zenodo.7133067
76. Zorawar Singh and Ankita Ahuja (2021). Hepatotoxicity issues associated with antineoplastic drug asparaginase: a review. *International Journal of Pharma Research and Health Sciences*. 9(4): 3319-23. DOI:10.21276/ijprhs.2021.04.01
75. Zorawar Singh (2021). Are Facemasks Safe in COVID Crisis? *Austin Journal of Pulmonary & Respiratory Medicine*. 8(3): 1079.

2020-21

74. Zorawar Singh (2020) Can Teicoplanin be a cure for COVID-19? *Malaysian Journal of Medicine and Health Sciences*. 16(4):379. (Scopus SJR: 0.131)
73. JK Randhawa, Zorawar Singh and Sonia (2020) Occurrence of Diabetes among rural women. *Journal of Diseases*. 7(2): 33-38. DOI: 10.18488/journal.99.2020.72.33.38
72. Zorawar Singh (2020) Vital statistics for leading countries in COVID-19 cases. *Journal of Diseases*. 7(1):6-13. DOI:10.18488/journal. 99.2020.71.6.1
71. Zorawar Singh (2020). Infertility among iron industry workers. *Advances in Toxicology and Toxic Effects*. 4(1):009-010. DOI: 10.17352/atte.000008
70. Zorawar Singh (2020). Serum hTERT Level as Sensitive Biomarker With Prognostic Implications in Breast, Lung, Gastric and Liver Cancers. *Malaysian Journal of Medicine and Health Sciences*. 16(1): 291-296. (Scopus SJR: 0.131)

2019-20

68. Zorawar Singh and Harmanpreet Kaur (2019). Toxicological aspects of antineoplastic drugs Doxorubicin and Epirubicin. *Journal of Clinical and Molecular Medicine*. 2(5): 1-5. DOI: 10.15761/JCMM.1000130
67. Zorawar Singh (2019). Invertebrate models to assess environmental exposures and toxicity of silver nanoparticles. *Journal of Health Science Research* 4(2): 17-24.
66. Zorawar Singh, Jasjit Kaur Randhawa and Sarabjit Kaur (2019) Occupational exposures and women reproductive health. *GSC Advanced Research and Reviews* 1(1): 026-030. DOI: 10.30574/gscarr.2019.1.1.0005
65. Zorawar Singh and Priya Khangotra (2019). Telomere Length Variation as Potential Biomarker for Diagnosing Lung, Liver, Gastric and Pancreatic Cancer. *Trends in Applied Sciences Research (Science Alert)* 14(4): 243-253. DOI: 10.3923/tasr.2019.243.253
64. Zorawar Singh, Shivam Sharma and Adeshwinder Kaur (2019). Ameliorative Nature of Bioflavonoid Naringin: A Comprehensive Review of Antitoxic Effects. *Trends in Pharmaceutical Research* 3(1): 67-76.
63. Zorawar Singh and Iqbal Singh (2019). Copper oxide nanoparticles synthesized at different pH pose varied genotoxic effects. *Asian Journal of Biological Sciences (Science Alert)* 12(3):1-10. DOI: 10.3923/ajbs.2019.616.625
62. Zorawar Singh and Priya Khangotra (2019). Telomere Length Alterations Associated with Breast, Thyroid and Cervical Cancers. *Journal of Health Science Research* 4(1): 12-17. DOI: 10.18311/jhsr/2019/23361
61. Zorawar Singh and Harmanpreet Kaur (2019) Cardiotoxicity induced by antineoplastic drug Daunorubicin and its amelioration: A review of literature. *Blood, Heart and Circulation* 3:1-4. DOI: 10.15761/BHC.1000153
60. Zorawar Singh and Priya Khangotra (2019) Altered Telomere Length as a Biomarker Associated with Ovarian and Prostate Cancer. *Scholars Journal of Applied Medical Sciences* 3: 1107-1112. DOI: 10.21276/sjams.2019.7.3.49
59. Zorawar Singh and Iqbal Singh (2019). CTAB Surfactant Assisted and High pH Nano-Formulations of CuO Nanoparticles Pose Greater Cytotoxic and Genotoxic Effects. *Scientific Reports Nature* 9:5880 | <https://doi.org/10.1038/s41598-019-42419-z> (IF: 4.78; Scopus Cite Score: 4.36; SNIP: 1.35)
58. Zorawar Singh and Priya Khangotra (2019). Human telomerase reverse transcriptase as a major therapeutic target in different cancer types. *Trends in Medicine* 19: 1-4. doi: 10.15761/TiM.1000177 (Scopus SNIP: 0.121)
57. Zorawar Singh (2019). Alteration in Morphological and Toxicological Properties of Copper Oxide Nano-particles: The pH Effect. *Journal of Applied Sciences (Science Alert)* 19 (2): 148-155. DOI: 10.3923/jas.2019.148.155 (Scopus SNIP: 0.489)
56. Zorawar Singh (2018). Comet Assay in Occupational Health Studies. *Journal of Occupational Health and Epidemiology* 7(4):240-5. DOI: 10.29252/johe.7.4.240
- 2018-19**
55. Zorawar Singh, Ankita Ahuja (2018). Hepatotoxicity issues associated with antineoplastic drug carmustine: A brief review. *Biology, Engineering and Medicine*. 3(6):1-3.
54. Zorawar Singh (2018). Toxicity of silver nanoparticles to human cell lines. *Nanomedicine & Nanotechnology Open Access* 3(4): 000154. DOI: 10.23880/nnoa-16000154
53. Zorawar Singh (2018). Fish and rat as models to assess environmental toxicity of silver nanoparticles. *Trends Journal of Sciences Research* 3(4): 177-182. DOI: 10.31586/EnvironmentalChemistry.0304.05
52. Zorawar Singh, Shivam Sharma (2018). Naringin reveals ameliorative property over elevated oxidative stress levels in animal models. *Asian Journal of Pharmaceutical and Clinical Research* 11(12):46-50. DOI: <http://dx.doi.org/10.22159/ajpcr.2018.v11i12.25318>
51. Zorawar Singh (2018). Nanoceramics in bone tissue engineering: The future lies ahead. *Trends Journal of Sciences Research* 3(3): 120-123. DOI: 10.31586/Nanomaterials.0303.03
50. Zorawar Singh, Amandeep Singh and Manveen Kaur (2018). Toner ink occupationally used in laser printers and photocopier machines poses toxic effects on developmental stages of

- Sarcophaga ruficornis (Sarcophagidae) Uttar Pradesh Journal of Zoology 38(2): 65-73.
49. Zorawar Singh and Pramjit Singh (2018). Need for risk management and regular occupational health assessment programs among industrial workers of developing countries. Global Journal on Quality and Safety in Healthcare 1(1):19-24. DOI: 10.4103/JQSH.JQSH_2_17
48. Zorawar Singh, Jasjit Kaur Randhawa, Sarabtej Singh Wilkhu, Swati Sharma (2018). Synthesis, Applications and Toxicological Aspects of Silver Nanoparticles. International Journal of Research Studies in Zoology 4(2): 17-20. DOI: <http://dx.doi.org/10.20431/2454-941X.0402004>
47. Zorawar Singh (2018). Co-enzyme q10 as potent antitoxic agent in different biological models. Open Access Journal of Toxicology. 3(1): 555605. DOI: 10.19080/OAJT.2018.03.555605.
46. Zorawar Singh (2018). Flavonoids as wonder drugs for fighting oxidative stress. Journal of Family Medicine Forecast 1(1):1-2.
45. Zorawar Singh, Shivam Sharma and Adeshwinder Kaur (2018). Antitoxic effects of naringin: a flavonoid with diverse biological activities. World Journal of Pharmaceutical Research 7(1): 484-489. DOI: 10.20959/wjpr20181-10609
- 2017-18**
44. Zorawar Singh (2017). Leiomyosarcoma: a rare soft tissue cancer associated with multiple organs. Journal of Cancer Research and Practice ELSEVIER 5(1):1-8. (Scopus SNIP: 0.34)
43. Fulwinder Pal Singh and Zorawar Singh (2017). Sustainable Development And Environmental Accounting. International Journal for Scientific Research & Development 3(10): 865-869.
42. Zorawar Singh (2017). Inhalation Toxicity of Graphene and its Derivatives. Inhalation 11(4):20-25.
41. Zorawar Singh (2017). Forensic Toxicology: Biological sampling and use of different analytical techniques. Forensic Research & Criminology International Journal 4(4): 00120-00124. DOI: 10.15406/frcij.2017.04.00120
40. Zorawar Singh, Amandeep Singh, Manveen kaur, Tajinder kaur (2017). Assessment of Barium Carbonate Toxicity on the Developmental Stages of Sarcophaga ruficornis (Diptera: Sarcophagidae) International Journal of Current Microbiology and Applied Sciences IJCMAS 6(5): 485-494. DOI: <https://doi.org/10.20546/ijcmas.2017.605.057>
39. Zorawar Singh, Tajinder Kaur, Manveen Kaur (2017). Toxicological Assessment of Barium Carbonate on Behavioral and Haematological Parameters in Channa punctatus. International Journal of Medical Research & Health Sciences. IJMRHS 6(5): 88-95.
38. Zorawar Singh (2017). Toxicological Assessment of Tartrazine on Seed Germination Capacity of Vigna radiata (L.) International Journal of Life Sciences and Technology IJLST 10(8): 75-78.
37. Zorawar Singh and Rumina Singh (2017). Recent Approaches In Use Of Graphene Derivatives In Anticancer Drug Delivery Systems. Journal of Drug Design and Research 4(3): 1041-44.
36. Zorawar Singh and Sunita Bhalla (2017). Toxicity of Synthetic Fibres and Human Health. Advance Research in Textile Engineering 2(1): 1012-1015.
35. Zorawar Singh and Rumina Singh (2017). Graphene Family Nanomaterials and Their Composites: Latest Approaches In Antibacterial Properties. American Journal of Life Sciences: Environmental Toxicology 5(3-1): 1-9.
- 2016-17**
34. Zorawar Singh and Pooja Chadha (2016). Lung Health among Welders. American Journal of Environmental and Occupational Health 1(1): 6-10.
33. Zorawar Singh (2016). Textile industry and occupational cancer. Journal of Occupational Medicine and Toxicology 11: 39 DOI: 10.1186/s12995-016-0128-3 (Scopus Cite Score: 2.20; SNIP: 1.012)
32. Zorawar Singh (2016). Toxicity Of Graphene and Its Nanocomposites to human cell lines-

The present Scenario. *International Journal of Biomedical and Clinical Sciences* 1(1):24-29.
31. Zorawar Singh, Jasminder Kaur, Ravneet Kaur and Swarndeeep Singh Hundal (2016). Toxic effects of organochlorine pesticides: a review. *American Journal of BioScience* 4(3-1):11-18.

30. 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.

29. Zorawar Singh and Balinder Singh (2016). Cytotoxicity of Graphene. *Current reports in Science and Technology*. 1(2): 62-69.

28. Zorawar Singh (2016). Applications and toxicity of graphene family nanomaterials and their composites. *Nanotechnology, Science and Applications* 9: 15-28. (IF: 3.75; Scopus Cite Score: 13.12; SNIP: 5.606)

2015-16

27. Zorawar Singh, JK Randhawa, Sarabtej Singh and Deepshikha (2015). Buccal micronucleus test as a reliable tool to assess genotoxicity. *Current reports on Science and Technology*. 1(1): 27-42.

26. Amandeep Singh and Zorawar Singh (2015). Incidence of Myiasis among Humans - a Review. *Parasitology Research* 114(9):3183-99. DOI: 10.1007/s00436-015-4620-y. (IF: 2.78; Scopus Cite Score: 2.46; SNIP: 1.015)

25. Zorawar Singh, Jaswinder Singh, Udesha, Kulbir Singh Bath and Neelam Gulati Sharma (2015). Assessment of Total Iron Content in Scalp Hair Samples of People Living in the Vicinity of Hudiara Drain, Amritsar, Punjab. *European Journal of Biomedical and Pharmaceutical Sciences* 2 (4): 519-527.

24. Zorawar Singh (2015) Health Status of Textile Industry Workers: Prevalence and Socioeconomic Correlates of Different Health Problems. *Public Health and Preventive Medicine*. 1 (3): 137-143.

23. Zorawar Singh and Pooja Chadha (2015) Human Health Hazard Posed By Textile Dyes: A Genotoxic Perspective. *Journal of Human Health*. 1(2): 42-45.

22. Zorawar Singh and Pooja Chadha (2015). Assessment of DNA Damage as an Index of Genetic Toxicity in Welding Micro-environments among Iron Based Industries. *Toxicology and Industrial Health* 32(10):1817-24. DOI: 10.1177/0748233715590518. (IF: 1.75; Scopus Cite Score: 1.28; SNIP: 1.06)

21. Jaswinder Singh, Zorawar Singh*, Sharanbir Kaur, Neelam Gulati Sharma, Kulbir Singh Bath (2015) Physico-Chemical Analysis of Drinking Water and Hudiara Drain Water in Amritsar District, Punjab, India. *International Journal of Current Research in Biosciences and Plant Biology* 2(4): 86-91.

20. Sarabtej Singh, Zorawar Singh and SS Hundal (2015). Toxicological Aspects of Arsenic in Different Animal Models: A Review *International Journal of Analytical, Pharmaceutical and Biological Sciences*. 4(2): 6-15. (IF: 0.99)

2014-15

19. Zorawar Singh (2014). Cancer Occurrence Among Textile Industry Workers: Vital Statistics. *International Journal of Analytical, Pharmaceutical and Biological Sciences*. 3(5): 5-11. (IF: 0.99)

18. Zorawar Singh and Pooja Chadha (2014). DNA Damage Due To Inhalation Of Complex Metal Particulates Among Foundry Workers. *Advances in Environmental Biology* 8(15): 225-230. (IF: 2.75; Scopus SNIP: 0.461)

17. Zorawar Singh, Indrakaran P. Karthigesu, Pramjit Singh and Rupinder Kaur (2014). Use Of Malondialdehyde As A Biomarker For Assessing Oxidative Stress In Different Disease Pathologies: A Review. *Iranian Journal of Public Health* 43(3): 7-16. (IF: 1.33; Scopus SNIP: 0.702)

16. Zorawar Singh and JK Randhawa (2014). Assessment of DNA damage in people living near textile industries by comet assay. *Biosciences International* (3)1: 1-5.

2013-14

15. 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): 95-100. (IF: 1.37; Scopus SNIP: 0.413)

14. Zorawar Singh and Pooja Chadha (2013). Oxidative stress assessment among iron industry grinders. *Biochemical and Cellular Archives* 12 (1): 65-68. (Scopus Cite Score: 0.07; SNIP: 0.23)

13. Zorawar Singh and Pooja Chadha (2013). Assessment Of Genotoxic Effect Of Fibre Dust Among Textile Industry Workers. *Journal of Environmental Science and Sustainability (JESS)*. 1(3): 81-84.

12. Pooja Chadha, Zorawar Singh, Gulzar Ahmed Bhat (2013). Biomonitoring of Genotoxicity in Pesticide Applicators by Buccal Micronucleus Assay. *Pesticide Research Journal* 24(2): 193-198.

11. Zorawar Singh and Mriginder Singh (2013). Scientific Research- The present scenario. Resurgence of Education: an effort towards quality culture in education. Nirvaan Pub. (ISSN: 978-81923919-6-0) pp: 117-119.

2012-13

10. Pooja Chadha, Gulzar Ahmed Bhat and Zorawar Singh (2013). Genotoxic Biomonitoring Of Human Population Exposed To Pesticides. *Journal of Experimental Zoology India*. 16 (1): 239-244.

9. Zorawar Singh and Pooja Chadha (2013). Health Concerns In Welding Industry. *International Journal of Enhanced Research In Science Technology And Engineering*. 2(1): 1-5.

8. Zorawar Singh (2013). Toxicological aspects of Saccharin. *Food Biology* 2(1): 4-7.

2004-05

7. Zorawar Singh and Suman Sharma (2004). Vaneevan- Mahattav ate Sambhaal. *Vigyaaan de Naksh Vol. 41* (Punjabi university academic press, Patiala)

6. Sunita Bhalla and Zorawar Singh (2013). Textile Dyes And Their Effects On Human Health. *Living On The Edge* 2(2): 32-39.

5. Pooja Chadha and Zorawar Singh (2013). Need for healthcare in textile industry workers. *Nirantar Soch* (Official publication of Punjab State Council For Science and Technology, Chandigarh, India) Ahead of print.

4. Zorawar Singh and Sarabjit Kaur (2012). Hope lies in the Green Energy. *Living On The Edge* 2(1): 66-69.

3. Balinder Singh and Zorawar Singh (2012). Wildlife- Importance and Conservation. *Living On The Edge* 2(1): 38-40.

2. Zorawar Singh (2011). Conservation- Need of the Hour. *Living On The Edge* (Official publication of Society for Environment and Conservation, Punjab). 1(1): 35-37.

1. Zorawar Singh (2007). The need for Conservation. *Pefa Times*. (Official publication of PEFA) 1(1): 39-40.

Chapters in Books/ Proceedings

BOOKS

Iron Industry Workers: Health Hazards and Biomonitoring

(DOP: 24-10-2016)

(ISBN: 978-3-659-97445-8)

Published by LAP LAMBERT Academic Publishing (OmniScriptum GmbH & Co. KG) BahnhofstraBe 28, 66111 Saarbrucken, Deutschland, Germany.

Textile Industry Workers: Health Issues and Cytogenetic Assessment

A schematic review of health issues in textile industry and a practical approach towards assessing genetic damage

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Number of pages: 108

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BOOK CHAPTERS

- Zorawar Singh*; Navjot Kaur (2020) Toxicological aspects of titanium dioxide nanoparticles in relation to different organs. Importance and Applications of Nanotechnology (Volume II), ISBN: 978-81-941833-4-1, MEDDOCS Publishers LLC, USA, DOP: 29-01-2020
- Zorawar Singh and Mriginder Singh (2013) Scientific Research- The present scenario. Resurgence of Education: an effort towards quality culture in education. Nirvaan Pub. (ISSN: 978-81923919-6-0) pp: 117-119.
- Zorawar Singh, Randeep Singh and Baani Singh (2025) AI and Education: Ethical Challenges and Considerations in AI Development.

Conferences Attended

- National seminar on Chemistry and Environment. Khalsa College, Amritsar, Punjab, India. 11-12 Feb., 2006.
- Seminar on Science, Environment and Health. Khalsa College, Amritsar, Punjab, India. 27 Oct., 2007.
- 22nd National Symposium on Recent advances in Zoological Sciences. Punjab Agriculture University, Ludhiana, Punjab, India. 6-7 Nov., 2008.
- Seminar on Recent trends in Science and Technology. Khalsa College, Amritsar, Punjab, India. 21st Nov., 2008.
- Workshop on Internet and its applications. Khalsa College, Amritsar, Punjab, India. 25th Nov., 2008.
- Zonal level workshop on Scientific explain of miracles sponsored by Punjab State Council for Science and Technology, Chandigarh and DST, Govt. of India, New Delhi. Guru Nanak Dev University, Amritsar, Punjab, India. 21-24th July, 2008.
- Seminar on Income tax schemes for salaried persons. Khalsa College, Amritsar, Punjab, India. 12th Dec., 2009.
- Seminar on Biosciences, challenges and scope. SSCMT, Punjab, India. 5th Feb., 2010.
- 9 UGC sponsored workshop on Internet and its applications. Khalsa College, Amritsar, Punjab, India. 25-26th Nov., 2010.
- DBT-sponsored workshop on Entomological techniques. DAV College, Jalandhar. 14th Sept., 2012.
- Training workshop on Scientific explanation of miracles sponsored by Punjab State council for Science and Technology. Khalsa College, Amritsar, Punjab, India. 17-20th Sept., 2012.
- District level workshop on Pupperty for Science and Technology Communication supported by NCSTC, DST and GOI, New Delhi. 21-25th Jan., 2013.
- International Conference on Solid Waste: Innovation in technology and management, 5-9 May, 2013, Baptist University, Hong Kong, SAR, China.
- International Conference of Occupational and Environmental Health (ICOEH- 2014) 7th - 9th April, 2014, University Putra Malaysia, Selangor, Malaysia.
- National Conference on Plant Sciences: Network in Health and Environment (PSNHE-2018), Department of Botany, KCA. Oct. 30-31, 2018.
- Organized 69th BRNS-IANCAS National workshop on Radiochemistry and applications of radioisotopes. 16-24 Mar., 2009.
- 18. Organized 19th State Level Children Science Congress 2011 supported by NCSTC, DST and GOI, New Delhi. 29th Nov.- 1st Dec., 2011.

Research Projects (Major or Minor Grants/Research Collaboration)

Funding Agency	Title of the Project	Period and Grant
UGC	Biomonitoring of DNA damage in the people living in the vicinity of textile industries in Amritsar (UGC)	

PSCST	Assessment of trace heavy metals in the hair samples of people living near Hudiara drain, Amritsar (PSCST)	
UGC	Assessment of DNA damage, oxidative stress and blood lead levels in the battery manufacturing workers occupationally exposed to lead.	
Awards and Distinctions		
<ul style="list-style-type: none"> • Awarded Gold medal in M.Sc. Zoology by Punjabi University, Patiala. • Best Poster Award: Conference on Health and Environment, Punjabi University Patiala • Photography Award: “Face to Face” Photograph by Zorawar Singh was selected in the Ten Best Photographs worldwide by BMC - Springer, England 		
Associations with Professional Bodies		
<ul style="list-style-type: none"> • Editor in Chief to International Journal “Environmental Science Archives” • Academic Editor to Uttar Pradesh Journal of Zoology • Life member of Society for Environment and Conservation (Regd.), Punjab, India. • Life member of Indian Association of Nuclear Chemists and Allied Scientists, BARC, India. • Guest Editor to American Journal of BioScience [2015-16] • Guest Editor to American Journal of Life Sciences [2016-17] • Former member of Punjab Eco friendly association, Punjab, India. • Member of PUBLON reviews. • Master trainer in Census 2011 		
Other Activities		
<p>Member of Editorial Board Committee for various international journals:</p> <ul style="list-style-type: none"> • Biomedical Investigations (Whioce Publishing, Singapore) • American Journal of Environmental and Occupational Health (American Institute of Science, USA) • Public Health and Preventive Medicine (American Institute of Science, USA) • Advance Research in Textile Engineering (Austin Publishing Group, USA) • GSL Journal of Forensic Research (GSL Publishers, USA) • Journal of Family Medicine Forecast (Science Forecast, Ohio, USA) • Journal of Human and Animal Intestines (Open Access Pub, USA) • International Journal of Molecular Biology and Molecular Imaging (Scient International Pub, USA) • Sumerianz Journal of Biotechnology (Sumerianz Pub) • Nanomedicine and Nanotechnology Open Access (Medwin Pub., USA) • Journal of Forensic Research and Criminal investigation (Science Tech Central, USA) • Oncology Research: Open Access (MedPress Pub, Delaware, USA) • Biomed Research and Health Advances (Med Text Pub, USA) 		