

CURRICULUM VITAE

Dr. Sukhvinder Kaur

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Sri Muktsar Sahib, 152026

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Objective: To obtain a position in the academic field, where I can utilize and maximize my research, teaching and administrative experience for benefiting the institute and myself.

Summary of Qualifications:

Ph.D. Zoology, 2004, HNB Garhwal (Central) University.

Thesis Title: "Impact of Automobile Exhaust Emission from Petrol (2 Stroke and 4 stroke engine) and Diesel vehicles on the plants and animals of Dehra Dun Valley."

M.Sc. Zoology, (Spl. In Environmental Biology), 1998, 1st Division, HNB. Garhwal (Central) University.

B.Sc. (CBZ), 1996, 1st Division, HNB Garhwal (Central) University.

Professional Experience (16 + Years of Teaching and Administrative Experience):

Teaching Experience:

1. Working as **HOD And Sr. Assistant Professor** of Zoology at Guru Nanak College (Governed by SGPC, affiliated to Pan jab University, Chandigarh), Sri Muktsar Sahib, Punjab. Since Nov. 2013 till date.
2. Worked as **Sr. Assistant Professor** in Department of Environmental Science and taught Environmental Science and Biology (Bio Technology) to B.Tech Students and 'Advance Water and Waste Water' to M.Tech Civil Engineering Students at Lingaya's University, Faridabad from 10th July 2012 till 10th Jan 2013.
3. Worked as **Assistant Professor** (Environment & Ecology and Human Values and Ethics), Department of Applied Science and Humanities, Aryan Institute of Technology, Hapur Road, Ghaziabad from 25th July 2008 till 7th July 2012 and as **Head, Department of Applied Science and Humanities.**
4. Worked as Lecturer at (Environmental Studies) at HR Institute of Technology, Meerut Road, Ghaziabad from 14th Aug. 2007 till 20th July 2008.
5. Worked as Lecturer (Zoology) at Satya College for Girls, Ghaziabad from Sept. 2006 till 30th June 2007.
6. Worked as Lecturer (Environmental Sciences) at D.B.S. (P.G.) College, Dehradun from 2000 till 2003 on per lecture basis.

Administrative Experience:

- Working as Head, Department of Zoology since, November, 2013.

- Working as Co-ordinator, Intellectual Property Rights in Institute Innovation Council, since, February, 2021.
- Working as Incharge, Eco and Go-Green club at Guru Nanak college, Sri Muktsar Sahib since 2017.
- Worked as Incharge, B.Voc. Course of Green House Technology from August' 2020., till June 2023.
- Working as Incharge, 'Fine arts items' in Panjab university Zonal Youth Festival since November, 2021.
- Acted as 'Paper Setter, for B.Sc 3rd and 5th semester exams, 2019 of Panjab University, Chandigarh
- Acted as 'Paper Setter, for B. Sc 3rd and 5th semester exams, 2019 of Panjab University, Chandigarh.
- Acted as Paper Setter, for B.Sc. 4th and 6th semester, 2021 of Panjab University, Chandigarh.
- Acted as paper Setter, for B.Sc. 2nd, 2022 even sem of Panjab University, Chandigarh.
- Acted as paper Setter, for B.Sc. 3rd, 2022 odd sem of Panjab University, Chandigarh.
- Acted as paper Setter, for B.Sc. 3rd, 2023 odd & even sem of Panjab University, Chandigarh.
- Acted as paper setter for B.Sc 1st yr, 2024 even semester examination of Panjab university, Chandigarh.
- Performed the duty of Overall incharge for Conducting '**Green Audit**' of the Guru Nanak College for Girls by the certified energy auditor of BEE, India for the session 2019-20.
- Worked as Incharge, Cleanliness committee at Guru Nanak College, Sri Muktsar Sahib in Session 2018-19.
- Worked as 'Centre Superintendent' for Panjab University, Chandigarh external Examinations., 2016
- Acted as 'Paper Setter' for External examinations for Punjab Agriculture University, Ludhiana, for B.Sc. External Examinations.
- Worked as HOD, Department of Applied Science and Humanities, Aryan Institute of Technology, Ghaziabad, from 2009-2012.
- Worked as Controller of Examination, at Aryan Institute of Technology, Ghaziabad., from 2010-2012.
- Worked as Convener, College Magazine & News Letter at Aryan Institute of Technology, Ghaziabad.
- Worked as Convener, Literary Activities Committee at HR Institute of Technology, Ghaziabad.
- Worked as Member, Library Committee at HR Institute of Technology, Ghaziabad.

Publications:

A. Research Papers

1. Paper entitled 'A comparative study of the drinking water quality of Tubewell and Tap water of Dehradun City' *Jr. Ecophysiol. Occup. Health* **1** (2001) 195-201 (R.K. Pande and Sukhvinder Kaur).
2. Paper entitled 'Studies on Hematological Parameters of Rat under the stress of exhaust Pipe Emission from Scooter'. *Jr. Nat Con.* **14** (1) (2002) 141-145 (R.K. Pande and Sukhvinder Kaur).
3. Paper entitled 'Stomatal responses of Lemon to exhaust emission from vehicles using different types of fuels'. *Jr. Pollution Research* **23** (3) (2004) 451-454 (Sukhvinder Kaur)
4. Paper entitled 'Studies on Haematological and Histopathological parameters of male rat under the impact of Exhaust pipe emission from two-stroke engine vehicles'. *Jr. Pollution Research* **24** (4) (2005) 891-897 (R.K. Pande and Sukhvinder Kaur).
5. Paper entitled 'Studies on Haematological parameters of female rat under the stress of Exhaust pipe emission from petrol and diesel vehicle in summer season'. *Jr. Pollution Research* **25** (1) 63-66 (2006) (Sukhvinder Kaur and R.K. Pande).
6. Paper entitled 'Studies on Impact of Exhaust Pipe Emission from Petrol and Diesel Vehicle on Haematological Parameters of Male Rat in Summers'. *J. Ecophysiol. Occup. Hlth.* **6** 149-152 (2006) (Sukhvinder Kaur and R.K. Pande).
7. Paper entitled 'Studies on impact of exhaust pipe emission from diesel vehicle on haematological parameters of female rat during winter season'. *J.Punj. Acad. of Sci.* 13-14(1&2) 83-86 (2016) (Sukhvinder Kaur).
8. Paper entitled 'Studies on stomatal responses of Jamun (*Syzygium cuminii*) to exhaust pipe emissions from vehicles using different types of fuels. *Eco, Env. & Cons.* 2017(1)207-210,. (Sukhvinder Kaur).
9. Paper Entitled "Renewable Energy Technologies – Present and Future Prospects in Indian Economy". *AGU International Journal Of Research in Social Sciences & Humanities.* 2017 (5) (Sukhvinder Kaur).
10. Paper Entitled "Effects of automobile exhaust pollution (from 2- stroke and 4-stroke Engine vehicles) on the haematological parameters of female rat during winter season." *Eco. Env. & Cons.* 24(2):2018, pp. (196-200).
11. Paper Entitled "Studies on changes in chlorophyll content of Jamun in response to exhaust Pipe Emissions from Petrol and diesel Using vehicles". *Procc.Zool.Soc.India.* 18(1): 53-56 (2019)
12. Paper Entitled "Studies on the Impact of Automobile Exhaust Emissions (From Vehicles using Diesel And Petrol) on Chlorophyll Content and Leaf biomass of Lemon". *Research and Reviews: A Journal of Life Sciences.* 10(1):1-6(2020). (Sukhvinder Kaur).
13. Paper Entitled "Uttarakhand Glacial Disaster- A wake up call". *Proc. Zool. Soc. India.* 20(1): 105-108(2021). (Sukhvinder Kaur).
14. Paper Entitled "Studies on the impact of Vehicular Exhaust Pipe Emissions (from Vehicles Using Petrol and Diesel) on leaf, shoot and root biomass of Jamun". *Research and Reviews: A Journal of Life Sciences.* 11 (2):7-10(2021). (Sukhvinder Kaur).
15. Paper Entitled "Covid-19 Biomedical waste management- A strain on Indian waste management system". *Proc. Zool. Soc. India.* 21(1): 17-22 (2022). (Sukhvinder Kaur).
16. Paper Entitled "Ukraine -Russia War- Havoc with the environment". *Proc. Zool.soc.India.* 22 (1): 29-33 (2023). (Sukhvinder Kaur).

17. Paper Entitled “ Floods- Suffering Fauna and Remedies”.Proc. Zool.Soc.India 22(2):183186:(2023).(Sukhvinder Kaur).(<https://doi.org/10.59467/PZSI.2023.22.183>).
18. Paper Entitled “Plastics-A Curse For Fauna-Over viewing the situation”. Proc. Zool.soc.India.23(2): 199-204 (2024). (Sukhvinder Kaur).(<https://doi.org/10.59467/PZSI.2024.23.199>).

B. Books/Book Chapters Published

1. Sukhvinder Kaur, Author of chapter Entitled “Effects of Green Revolution on Socio Economic and Environmental Status of Punjab – A Review” in Book Contemporary Issues and Challenges in the Society. First Edition-2020. A New Era International Imrint, Chandigarh, pp 236-247.
2. Sukhvinder Kaur, Author of Chapter Entitled “Environment/Ecological effects of COVID-19 Pandemics” in Book ‘Mapping Covid-19’. 2021. Gyan Publishing house, New Delhi, pp 387396.
3. Sukhvinder Kaur ,Author of chapter Entitled “Effects of environmental conditions on human health and their management: Time to Pay Attention.” in Book Health, Environment and the Covid-19 Pandemic : Issues and challenges. First edition- sept,2021. A New Era International Imrint, Chandigarh, pp 86-95.

C. Invited lecture

1. Delivered lecture on “Environmental impacts of wars: an Irreversible Damage”in 34th All India Congress of Zoology (34th AICZ) during the 3-Day National Conference on the theme “Changing Course in Global Environment: Challenges and Solutions” at University of Kashmir. From 5-7th June, 2023.
2. Delivered Invited Lecture in ‘International conference on Science, Society and Culture’ held at Kathmandu, Nepal on 6th &7th October,2023 organized by Nepal Aquaculture society and ‘Women in Science and Humanity’ in association with Society for Life science and Sripatum university, Thailand.
3. Delivered Invited lecture in “International Conference on Technological Advancements for Sustainable Developments towards Biodiversity Conservation” organized by Shoolini University, Solan, India, from 22-24 February, 2024.

D. Papers Presented in Conferences

- Presented paper titled ‘Effects of Chemical fertilizers and Pesticides on humans and aquatic Ecosystem and their possible alternatives in Punjab- A review in ’Two-day National seminar at PAU, Ludhiana on ‘Environmental changes and its impact on faunal Diversity in Indian Agro-ecosystems’ on 19-20 Nov., 2018.
- Presented paper titled “Covid-19 Pandemic: A message from nature to mankind” in International conference on “Effect of Covid-19 Pandemic on Agriculture and Allied Sciences” organized jointly by Society for Science and Nature, Lucknow, Rajkiya Engineering College, Ambedkar Nagar and Aura prkashan and books distributors Pvt. Ltd., Lucknow from 23rd to 24th August 2020.
- Presented paper titled “Studies on the effects of automobile exhaust emissions (from Petrol and Diesel using vehicles) on biomass of Jamun” in International conference on “latest trends in Engineering and management “(ICLTEM- 2021) organized by Institute for Engineering Research and Publication on 26th and 27th Februrary, 2021.
- Presented Paper titled “Covid-19 : Strain on the Indian biomedical waste system: time to pay attention” in International Conference on “Sustainable Waste Management and Circular

Economy and IPLA Global Forum 2021” organized by International Society of Waste Management, Air and Water (ISWMAW) International Partnership for Expanding Waste Management Services of Local Authorities (IPLA) Centre for Sustainable Development and Resource Efficiency Management, Jadavpur University on 1-4th December, 2021.

- Presented paper titled “Ukraine-Russia war- A Climatic Crisis” in International Seminar on Current trends in Life Sciences (int-SCTLS-2023) organized by Amity University Madhya Pradesh, Gwalior on 1st march, 2023.
- Presented Paper titled “Role of Proper Management in Saving Livestock during Natural Disasters” in International Conference (Hybrid mode on ‘Env sustainability, Green technologies, Innovations and start -up Ventures On and Beyond Earth’ organized by Doctor Hari Singh Gour Vishwavidayala (central university), Sagar (M.P.) on 12-13 Sept, 2024.

E.Seminars/Workshops/Conference/Colloquium/Webinar Attended:

- National Seminar on Environment Aspects of Bio-monitoring and Water Quality Management (2000), Dehradun.
- National Seminar on “Environment and Technology for Water Resource Management” (2001), Dehradun.
- National Seminar on “Natural Disasters: Threat Perception -Myth and Reality (2002)”, Dehradun.
- Workshop on “Human Values and Professional Ethics” (2009), Meerut.
- One day Value Education Workshop on “Human Values & Professional Ethics” (2010), Ghaziabad.
- National Conference on “Coping with downturn: Through professional excellence and entrepreneurship in changing global environment”, (2010), Ghaziabad.
- One day seminar on Disaster and Risk Management (2011), Ghaziabad.
- Two day national seminar ,19th Punjab Science congress. On ‘Influence of science and technology on Environment and human health’. 7-9 Feb., 2016 at SUS, Tangori.
- One day National seminar on NAAC Accreditation: Methodology, Process and Problem, sponsored by College Development Council, Punjab University, Chandigarh. (29/3/2016)
- One day workshop on Carrier counselling at District Education Officer, Muktsar Sahib, 7/4/2016
- One day National Seminar at PAU, Ludhiana on “Recent advances in animal reproduction on 12 October, 2016.
- One day International conference at Guru Nanak College for Girls, Sri Muktsar Sahib on ‘Recent trends in Renewable Energy Technology and its Impact on Economy of India’ on 24 Oct, 2017.
- Two day National seminar at PAU, Ludhiana on ‘Environmental changes and its impact on faunal Diversity in Indian Agro-ecosystems’ on 19-20 Nov., 2018.
- Two day national workshop on ‘Nuclear sciences and Applications of Radioisotopes’ on 9-10 march’2019 held at Guru Nanak college for girls, Sri Muktsar sahib.
- Attended 5 Days DST Inspire Internship camp from 23-27 September, 2019 held at Guru Nanak College for Girls, Sri Muktsar Sahib.

- Attended National webinar on “Conservation of Plant biodiversity” organized by Dept. Of Basic sciences, Guru Nanak college, Sri Muktsar sahib on 20th March, 2021
- Attended Webinar on “Sri Guru Arjan Devji: Bani, Personality and Matrydom”, organized by Sri Guru Granth Sahib World university, Fatehgarh sahib on 26th May 2020.
- Attended One day National seminar on ‘Legal Awareness’ sponsored by National Commission for Women, New Delhi on 26 Feb, 2020 held at Guru Nanak College for Girls, Sri Muktsar sahib.
- Attended virtual seminar on “Role of Biodiversity during Covid-19” organized by Zoology Department, PG Government College for Girls, Sector-42, Chandigarh on 22nd May, 2020.
- Attended Webinar on “Plastic Waste-Sources, Production, Management and handling in Post COVID-19 World”, Organized by Panjab university rural centre, Kauni (Sri Muktsar Sahib). On may 18, 2020.
- Attended National Webinar Series on “Immunity and Infection: Biochemical approaches for therapies” organized by Davangree university, Karnataka, India from 15th to 21st June 2020.
- Attended International webinar on “Locust swarming in India amidst COvid-19 Pandemic” organized by Dept. Of zoology, Punjab University, Chandigarh on 20th June, 2020.
- Attended Webinar on “Global perspectives on protecting our environment Studies” organized by Centre for Environmental Studies, Lady Doak College, Madurai on 5th June 2020.
- Attended Webinar on “Challenges of Covid-19 for Economy and Economic Policy”, organized by Dept. Of Commerce, Guru Nanak college for Girls, Sri Muktsar sahib on 15th May, 2020.
- Attended webinar on “Psychological Effects of Covid-19 on Adults and Children” organized by Dept. Of Punjabi, Guru Nanak college for Girls, Sri Muktsar sahib on 23th May, 2020.
- Attended Webinar on “Science and Research” organized by Department of Biology, SD College for Girls, Barnala on 14th July, 2020.
- Attended Webinar on “Investigation of potential new treatments for diabetes, cancer and COVID-19” organized by Department of Zoology, Mizoram University, Aizwal on 6th July, 2020.
- Attended “74th online short term course on E-Content Development” organized by UGC Human Resource Development Centre, Gujarat University from 25/06/2020 to 01/07/2020.
- Attended Webinar on “Impact of Environment Degradation on Biodiversity” organized by Department of Biology, DAV College, Abohar, on 23th June, 2020.
- Attended International conference on “Effect of Covid-19 Pandemic on Agriculture and Allied Sciences” organized jointly by Society for Science and Nature, Lucknow, Rajkiya Engineering College, Ambedkar Nagar and Aura prkashan and books distributors Pvt. Ltd., Lucknow from 23rd to 24th August 2020.
- Attended Webinar on “Impact of New education policy 2020 on undergraduate and postgraduate colleges” organized by GGSDS College, Chandigarh on 8th August, 2020.
- Attended National Webinar on “Frontier of Science and Technology in Defence” organized under DBT Star College Scheme by PG Department of Physics, Khalsa College, Patiala on 7th August, 2020.

- Attended webinar on “Ecosystem Restoration In India” organized by Dept. Of Environmental sciences, Acharya Nagarjuna University, A.P., India on 5th June, 2021.
- Attended National Colloquium on “Emerging Zoonoses and one Health Approach : Perspective And Challenges” organized by Dept. Of Zoology, Mata Gujri College, Fatehgarh sahib on 26th March, 2021.
- Attended International conference on “latest trends in Engineering and management “(ICLTEM-2021) organized by Institute for Engineering Research and Publication on 26th and 27th February, 2021.
- Attended National webinar on “Biomedical Waste Impact during Pandemic Times” organized by Acharya Nagarjuna University, A.P., in association with CEED, India. on 12th June, 2021.
- Attended International Conference on “Sustainable Waste Management and Circular Economy and IPLA Global Forum 2021” organized by International Society of Waste Management, Air and Water (ISWMAW) International Partnership for Expanding Waste Management Services of Local Authorities (IPLA) Centre for Sustainable Development and Resource Efficiency Management, Jadavpur University on 1-4th December, 2021.
- Attended International webinar on ‘Reproductive Choice of Women: A Fundamental Right’ organized by Dept of Basic science and Dept of English, Guru Nanak College on 11th December, 2021.
- Attended International Seminar on Current trends in Life Sciences (Int-SCTLS 2023) organized by Amity University Madhya Pradesh, Gwalior on 1st march, 2023.
- Attended 3 days National conference on ‘Changing Course in Global Environment: Challenges and Solutions’, organized by Dept. of Env. Sciences In Collaboration with Zoological society of India, held at Univ. Of Kashmir, J&K from 5-7th June, 2023.
- Attended workshop on “World Environment Day (WED)” (Under Unnat Bharat Abhiyan) organized by the Department of Rural Development, NITTTR Chandigarh, on 5th June, 2024.

F.Orientation Course/RefresherCourse/STC attended

- Attended 26th Orientation Programme organized by UGC- HRDC, Punjabi university Patiala from 15th June.2015 to 11th July, 2015
- Attended Refresher course in “Research methodology in Physical and Life Sciences” organized by UGC-HRDC, Panjab University, Chandigarh from 16th May, 2017 to 5th June, 2017.
- Attended Refresher course in “Refresher Course in Bio-Technology” organized by UGCHRDC, University of Allahabad from 10th January, 2022 to 23rd January, 2022.
- Attended Short Term Course on ‘E-Content Development’ organized by UGC-HRDC, Gujarat University from 21st June to 1st July, 2021
- Attended Refresher Course in “Refresher course in Life sciences (ID)” organized by UGCHRDC, North –Eastern Hill University, Shillong from 26th July, 2022 to 8th August, 2022.
- Attended ‘Refereshar Course in Life sciences (ID)’ organized by MMMTC-UGC- HRDC, Punjabi university Patiala from 10th December. 2024 to 23rd December, 2024.

G. Internship done :

Done REDC/SERD Rural Internship 2022-23 under Mahatama Gandhi Rural Internship Programme 22-23, by MGNCRE, Govt. Of India. **H. Membership:**

1. Punjab Science Congress, Life Member.
2. Zoological Society of India, Life member.
3. Nepal Aquaculture Society, Life member.
4. Member, Punjab university UG Board of studies for Zoology from 1st March 2019 Till 31st March, 2021
5. Member of Editorial Board of 'Research and Reviews: Journal of Life Sciences' since 2018.

I.Prize/Awards

- Grant awarded from Ministry of Environment and Forest, Utrakhand Government for PhD research work.
- 'Outstanding Professional Award' presented by Nepal Aquaculture Society in 2023.

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