

## Curriculum Vitae



**Dr. KIRPAL SINGH**

**Permanent Address: -**

S/O Sh. Ragunath Singh R/O Village Patti, Tehsil Mahanpur, District Kathua, Jammu and Kashmir,  
Pin Code- 184202

**Correspondence Address: -** Kirpal Singh, R/O Village Patti, Tehsil Mahanpur, District Kathua,  
Jammu and Kashmir, Pin Code- 184202

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**E-Mail:** [kkirpalsingh25@gmail.com](mailto:kkirpalsingh25@gmail.com)

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**Area of Specialization: Zoology (Aquatic Biology)**

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**Objective**

To be in a challenging profession where I can utilize my skills and put forth my best for the organizational development and self-growth.

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**Academic Credentials**

Degree	Institute/ University	Percentage
Ph.D. (Zoology)	Guru Nanak Dev University, Amritsar	
JKSET (Life sciences)	University of Jammu	
Pre Ph.D. course	Guru Nanak Dev University, Amritsar	82.85

<b>M.Sc. (Zoology)</b>	Guru Nanak Dev University, Amritsar	82.41
<b>B.Sc. (Medical)</b>	G.G.M Science College Jammu (University of Jammu)	70.00
<b>XII<sup>th</sup> (JKBOSE)</b>	J.N.V. Basohli, CBSE	68.00
<b>High School (X<sup>th</sup>)</b>	Govt. High School Mara, JKBOSE	80.60

#### **Additional Attributes**

<b>Punjabi (Additional)</b>	Punjab School Board of Education	
<b>GATE Life Sciences -2014</b>	NCB-GATE MoHRD	
<b>M.Sc Gold Medal</b>	Guru Nanak Dev University, Amritsar	Ist Position (9.26 CGPA)
<b>DST INSPIRE Fellowship</b>	DST- MoHRD	

#### **Teaching Experience: -**

- Worked as Lecturer on Academic arrangement basis in GDC Kishtwar from 25 October 2021 to 31 May 2022).
- Worked as Lecturer on Academic arrangement basis in GDC Billawar from 29 September 2022 to 31 May 2023).
- Worked as Lecturer on Academic arrangement basis in GDC Ramban from 28 August 2023 to 31 May 2024).
- Presently working as Assistant Professor in Department of Zoology, GDC Surankote.

#### **Publications: -**

1. **Kirpal Singh**, Narpinder Singh, Arvinder Kaur, Amardeep Singh Viridi, Owias Iqbal Dar, and Sunil Sharma (2019). "Functional properties and dynamic rheology of protein isolates extracted from male and female common carp (*Cyprinus carpio*) muscle subjected to pH-shifting method." *Journal of Food Processing and Preservation* 43 (11), e14181.
2. Owias Iqbal Dar, Sunil Sharma, **Kirpal Singh**, and Arvinder Kaur (2019). "Teratogenicity and accumulation of triclosan in the early life stages of four food fish during the bioassay." *Ecotoxicology and Environmental Safety* 176 : 346-354.
3. Owias Iqbal, Sunil Sharma, **Kirpal Singh**, Anket Sharma, Renu Bhardwaj, and Arvinder Kaur (2020)."Biochemical markers for prolongation of the acute stress of triclosan in the early life stages of four food fishes." *Chemosphere* 247 : 125914.
4. Owias Iqbal Dar, Sunil Sharma, **Kirpal Singh**, Anket Sharma, Renu Bhardwaj, and Arvinder Kaur (2020). "Biomarkers for the toxicity of sublethal concentrations of triclosan to the early life stages of carps." *Scientific*

Reports 10(1) : 1-16.

5. Sunil Sharma, Owias Iqbal Dar, **Kirpal Singh**, Sharad Thakur, Anup Kumar Kesavan, and Arvinder Kaur. "Genomic markers for the biological responses of Triclosan stressed hatchlings of *Labeo rohita*." *Environmental Science and Pollution Research* 28, no. 47 (2021): 67370-67384.
6. Sunil Sharma, Owias Iqbal Dar, **Kirpal Singh**, Arvinder Kaur, and Caterina Faggio. "Triclosan elicited biochemical and transcriptomic alterations in *Labeo rohita* larvae." *Environmental Toxicology and Pharmacology* 88 (2021): 103748.
7. Anket Sharma, Vinod Kumar, Babar Shahzad, Mohsin Tanveer, Gagan Preet Singh Sidhu, Neha Handa, Sukhmeen Kaur Kohli, Poonam Yadav, Aditi Shreeya Bali, Ripu Daman Parihar, Owias Iqbal Dar, **Kirpal Singh et al. (2019)**. "Worldwide pesticide usage and its impacts on ecosystem." *SN Applied Sciences* 1 (11): 1446.
8. Kumar, A., Kumar, V., Thakur, M., **Singh, K.**, Jasrotia, R., Kumar, R., & Radziemska, M. (2025). Global Perspectives on Lead Contamination and Health Risks in Surface Water, Rice Grains, and Soils. *Land Degradation & Development*.

#### **Book Chapters**

1. Owias Iqbal Dar, **Kirpal Singh**, Junaid Aslam, Sunil Sharma, Arvinder Kaur, Renu Bhardwaj, and Anket Sharma. "Regulation of salinity stress by hydrogen sulfide in plants." *Hydrogen Sulfide in Plant Biology* (2021): 213-227
2. Owias Iqbal Dar, **Kirpal Singh**, Sunil Sharma, Junaid Aslam, Arvinder Kaur, Renu Bhardwaj, and Anket Sharma. "Regulation of drought stress by hydrogen sulfide in plants." In *Hydrogen Sulfide in Plant Biology*, pp. 229-242. Academic Press, 2021.

#### **Poster and oral Presentations**

1. International Conference on Applied Biology (**ICAB-2019**) & **First Annual Convention** of the Society of Biologists from 4-6 November, 2019 at **Shri Mata Vaishno Devi University**, Katra Jammu & Kashmir.
2. International Conference on Chemical, Bio & Environmental Engineering (**CHEMBIOEN-2020**) from 13-14 February at **Dr B.R. Ambedkar National Institute of Technology, Jalandhar**.
3. International Conference on Recent Advances in Interdisciplinary Sciences from January 11-12, 2019 at **Department of Electronics, University of Jammu**.
4. International Meet on Frontiers in Life Science on 22nd March, 2018 organized by Department of Biotechnology and Department of Molecular Biology and Biochemistry, **Guru Nanak Dev University, Amritsar, Punjab**.

### Workshops/Hand-On-Cum Training

1. Attended UGC-sponsored short term course/workshop in “**Research Methodology**” organized by Human Resource Development Centre, Guru Nanak Dev University, Amritsar, Punjab from **6<sup>th</sup> January to 12<sup>th</sup> January 2016**.

### Seminars

1. Participated in UGC-SAP sponsored one-day seminar on **Environment and health** held at Department of Zoology, GNDU, Amritsar, Punjab on 27<sup>th</sup> March 2018.
2. Participated in UGC-SAP sponsored Golden Jubilee National Seminar on **Environment Protection Through Innovative Ecological Practices** Organized by Department of Zoology, GNDU, Amritsar, Punjab on 26<sup>th</sup> March 2019.
3. Participated in UGC-SAP sponsored one-day National seminar on **Ecofriendly Approaches for Environment Protection** Organized by Department of Zoology, GNDU, Amritsar, Punjab on 26<sup>th</sup> February 2020.

### **Computer Proficiencies**

- Working Knowledge of MS-Office, Windows XP, Vista, 7 Home premiums etc.
  - Well versed with Internet applications.
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### **Skills**

- Excellent communication-written & spoken public speaking, presentation & team skills.
  - Professional & aggressive work style with clear objectives.
  - Hardworking
  - Self-motivated person & a positive thinker.
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**Personal dossier:**

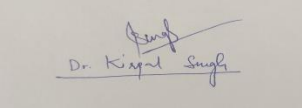
Father's Name:	Sh. Ragnath Singh
Mother's name:	Smt. Shakuntla Devi
Marital Status:	Married
Sex:	Male
Nationality:	Indian
Date of Birth:	25th Feb. 1991.
Languages known:	English, Hindi, Punjabi.

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**Declaration:**

I hereby declare that the information given above is true and correct to the best of my knowledge and belief.

Date: 09-12-2025



Dr. Kirpal Singh