

Curriculum Vitae

Dr. Simarjit Kaur, M.Sc. (H.S.), Ph.D

Assistant Professor

Department of Zoology,

Post Graduate Government College for Girls,

Sector-11, Chandigarh

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Research Interests:

- **Taxonomy and Identification of Insects (Diptera and Neuroptera)**
 - **Ecology of mosquitoes (Culicidae: Diptera)**
 - **Climate Change and impact on major vector species of Culicidae**
 - **Scanning Electron Microscopic studies on insects**
 - **Biodiversity Conservation**
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Academic Credentials:

- 2013** **Ph.D. Zoology (Specialization in Entomology)**
Department of Zoology and Environmental Sciences, Punjabi University, Patiala
Research Topic: Studies on Culicinae Diversity (Culicidae: Diptera) and Impact of Ecological Changes on its Major Vector Species from Punjab
Supervisor: Prof. (Dr.) Jagbir Singh Kirti
- 2011** **Ph.D. Zoology (Course work) with A+ Grade**
Department of Zoology and Environmental Sciences, Punjabi University, Patiala
- 2008** **M.Sc. (Hons. School) Zoology (Specialization in Entomology)**
Department of Zoology, Panjab University, Chandigarh
Research Topic: Studies Taxonomic studies on six species of tribe Aedini (Diptera: Culicidae) alongwith their seasonal prevalence in Chandigarh and adjoining areas.
Supervisor: Prof. (Dr.) P.K. Tewari
- 2006** **B.Sc. (Hons. School) Zoology**
Department of Zoology, Panjab University, Chandigarh
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Diploma/ Certificate Course:

- Post Graduate Diploma in Computer Application
 - Certificate Course in French
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Professional Experience:

Research: 13 years and 5 months

Teaching: 6 years 2 months

Dec., 2019- Till date	Assistant Professor (Contractual) Department of Zoology Post Graduate Govt. College for Girls, Sector- 11, Chandigarh
Aug., 2018- Nov., 2019	Post- Doctoral Fellow Miscellaneous Insect Order Section, Head Quarters, Zoological Survey of India, Kolkata
July, 2014- April, 2018	Assistant Professor (Ad-hoc) Post Graduate Department of Zoology, DAV College, Sector- 10, Chandigarh
July, 2013- March, 2014	Resource Person Department of Zoology Post Graduate Govt. College for Girls, Sector- 11, Chandigarh
Feb., 2011- May, 2013	Senior Research Fellow Department of Zoology and Environmental Sciences, Punjabi University, Patiala
Feb., 2009 - Feb., 2011	Junior Research Fellow Department of Zoology and Environmental Sciences, Punjabi University, Patiala

Association with Academic Bodies:

- **Founder Member**, Association of Entomologists, Punjabi University, Patiala
 - **Founder Member**, Society of Vector Ecology, Indian Region
 - **Life Member**, National Academy of Vector Borne Diseases
 - **Life Member**, Him Science Congress Association
 - **Vice President**, Punjabi University Zoological Society, Punjabi University, Patiala (2011-2012).
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Awards / Distinctions:

- **Selected and Sponsor** By **WHO** for the 3rd TDR-WHO Asian Biosafety Training Course (October 18-29, 2010; Madurai, Tamil Nadu, India).
 - Received **Award of Appreciation** for oral presentation at “**XI- Symposium on Vectors & Vector Borne Diseases**” held in Jabalpur from October 15-17, 2011.
 - Received **Certificate of Appreciation** from Punjabi University Zoological Society for organizing cultural events, field tours and other academic activities during the session 2011-2012.
 - **Third Best Presentation Award** at Students Anvesan- 2008 held at Panjab University, Chandigarh.
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Publications:

Research Papers:

1. **Kaur, S.**, Pandher, M.S., Chandra, K and Dubey, A.K.(2021). Subfamily Mantispidae Enderlein, 1910 (Insecta: Neuroptera) from India. *Zootaxa*, **5068**(3): 355-377.
2. Pandher, M.S., **Kaur, S.**, Garima, D and Dubey, A.K. (2021). New records of Caddisflies (Insecta: Trichoptera) from India. *Zootaxa*, **5072**(5):463-477.
3. Garima, D., **Kaur, S.** and Pandher, M.S. (2021). New records of the genus *Hydropsyche* Pictet, 1834 (Trichoptera: Hydropsychidae) from Arunachal Pradesh, India. *Records of Zoological Survey of India*, **120**(4): 497-500.
4. Pandher, M.S., **Kaur, S.** and Garima, D. (2021). New species and new records of Hydropsychinae (Insecta: Trichoptera: Hydropsychidae) from India. *Zootaxa*, **4915**(3): 364-378.
5. **Kaur, S.**, Pandher, M.S. and Chandra, K. (2020). New records of family Mantispidae (Insecta: Neuroptera) from India. *Records of Zoological Survey of India*, **120**(3): 251-256.
6. Pandher, M.S., **Kaur, S.** and Parey, S.H. (2020). Review of the genus *Kisaura* Ross, 1956 (Trichoptera: Philopotamidae) from India. *Zootaxa*, **4845**(2): 225-238.
7. Pandher, M.S., **Kaur, S.** and Garima, D. (2020). New species, a new records and a new synonyms for *Chimarra* spp. (Insects: Trichoptera: Philopotamidae) of India. *Zootaxa*, **4790** (3): 577-585.

8. Pandher, M.S, Parey, S.H. & **Kaur, S.** (2020). Two new species of genus *Polyplectropus* Ulmer 1905 (Insecta: Trichoptera: Polycentropodidae) from the Indian Himalaya, *Zoosymposia* **18**: 112–117.
9. Pandher, M.S., **Kaur, S** & Garima, D. (2020). New records of *Glossosoma atitto* Malicky and Chantaramongkol, 1992 and *Economusare ion* Malicky, 1999 from India. *Braueria* **47**: 39-40.
10. **Kaur, S.**, Rajmohana, K. Pandher, M.S. (2019). Morphological studies on male and female genitalia of *Myrmecaelurus acerbus* (Walker, 1853) (Neuroptera: Myrmeleontidae). *Records of Zoological Survey of India*, **119**(4): 438-443.
11. **Kaur, S.**, Pandher, M.S. and Chandra, K. (2019). Description of the male of *Distoleon sambalpurensis* Ghosh, 1984 (Neuroptera: Myrmeleontidae) from India. *Zootaxa*. **4661**(3):587-593.
12. **Kaur, S.**, Pandher, M.S. and Chandra, K. (2019). First description of the male of type species *Parosmylus prominens* Needham, 1909 (Neuroptera: Osmylidae) from India. *Zootaxa*. **4604**(2): 395-400.
13. Kirti, J. S., **Kaur, S.** and Singh, A. (2019). Further Studies on Female Genitalia of Three Species of genus *Trithemis* Brauer from North-West India. *Biological Forum*. **11**(1): 126-130.
14. Kirti, J. S., **Kaur, S.** and Singh, A. (2019). Redescription of Male Genitalia of Six Species of Genus *Orthetrum* Newman (Anisoptera: Libellulidae) from North West India. *Biological Forum*. **11**(1): 107-116.
15. Pandher, M.S., **Kaur, S.** & Parey, S.H. (2018). Three new species of the genus *Kisaura* Ross (1956) (Trichopter: Philoptamidae) from Arunachal Pradesh, India. *Zootaxa*. **4403** (3): 586–593.
16. Kirti, J. S., **Kaur, S.** and Singh, A. (2018). Studies on the intraspecific variations in *Rhyothemis variegata variegata* (Linnaeus) (Odonata: Libellulidae). *Records of Zoological Survey of India*. **118**(1):103-106.
17. **Kaur, S.** & Kirti, J.S. (2017). Relevance of female genitalic attributes in species identification of Culicinae. *Journal of Entomology and Zoology Studies*. **5**(6): 845-50.
18. Pandher, M.S., **Kaur, S.**, Parey, S.H. and Saini, M.S. (2017). Review of genus *Hyropsyche* Pictet 1834 (Insecta: Trichoptera: Hyropsychidae) from India. *Zootaxa*. **4365**(3): 331-60.
19. Kirti, J.S., **Kaur, S.** and Singh, A. (2016). Further studies on male genitalia of *Neurothemis intermedia* (Rambur) and *Neurothemis tullia* (Drury) (Odonata:

- Libellulidae). *World Wide Journal of Multidisciplinary Research and Development*. **2(5)**: 36-39.
20. Kirti, J.S., **Kaur, S.** and Singh, A. (2015). Studies on male genitalia of some species of family Libellulidae (Anisoptera: Odonata) from North-West India. *International Journal of advanced Research*. **3(7)**: 1-9.
 21. Kirti, J.S., Kaur, N. and **Kaur, S.** (2015). Studies on cibarial armature and sense organs of *Armigeres subalbatus* (Coquillett) with the aid of scanning electron microscope. *International Journal of applied Research*. **1(9)**: 335-337.
 22. **Kaur, S.** and Kirti, J.S. (2015). SEM studies on egg architecture of *Lutzia (Metalutzia) fuscana* Wiedmann (Diptera: Culicidae). *Entomology & Applied Science Letters*. **2(3)**: 4-6.
 23. Kirti, J.S., Kaur, N. and **Kaur, S.** (2015). Scanning electron microscope studies on cibarium of *Aedes albopictus* (Skuse) and *Aedes aegypti* (Linnaeus). *International Journal of Mosquito Research*. **2(2)**: 14-16.
 24. Kirti, J.S., **Kaur, S.** and Kaur, N. (2015). Ultrastructural studies on cibarium of two species of genus *Mansonia* (Culicidae: Diptera) to explore new and additional taxonomic attributes. *International Journal of Multidisciplinary Research and Development*. **4**: 517-520.
 25. Kirti, J.S. and **Kaur, S.** (2015) Prevalence and distribution of *Armigeres subalbatus* in Punjab. *International Journal of Fauna and Biological Sciences* **2(2)**:44-47
 26. Kirti, J.S., **Kaur, S.** and Kaur, N. (2015). Studies on Cibarium of *Culex univittatus* Theobald with the aid of scanning electron microscope. *International Journal of Pure and Applied Biosciences* **3(1)**: 214-216.
 27. Pandher, M.S. and **Kaur, S.** (2014). Three new species and one new record of genus *Chimarra* Stephens (Trichoptera: Philopotamoidea: Philopotamidae) from Indian Himalaya. *Advances in Zoology*. 1-8. <http://dx.doi.org/10.1155/950954>.
 28. Kirti, J.S. and **Kaur, S.** (2014). Studies on Culicinae diversity (Culicidae: Diptera) from Punjab with reference to impact of ecological changes. *International Journal of Mosquito Research* **1(4)**: 10-16.
 29. Kirti, J.S., **Kaur, S.** and Shipali. (2013). Further studies on morphological variations in ornamentation of wings of *Anopheles (Cellia) subpictus* Grassi from Punjab. *Journal of Insect Science*. **26(1)**: 59-62).
 30. Kirti, J.S. and **Kaur, S.** (2013). Studies on prevalence and seasonal variations of *Culex quinquefasciatus* in Punjab. *Journal of Chemical, Biological and Physical Sciences*.

3(3):1880-1885.

31. Kirti, J.S. and **Kaur, S.** (2013). Systematic list of Culicinae (Culicidae: Diptera) from Punjab. *Bionotes*. **12**(3): 97.
32. Kirti, J.S., Kaur, J. and **Kaur, S.** (2013). Reporting of morphological variations in natural populations of *Anopheles (Cellia) splendidus* Koidzumi & *Anopheles (Cellia) willmori* (James). *Journal of Entomology Research*. **37**(2): 195-199.
33. Kirti, J.S., **Kaur, S.** and Shipali. (2012). Variations on wings and palpi in natural populations of *Anopheles (Cellia) pulcherrimus* Theobald (Anophelinae: Culicinae). *Annals of Entomology*. **30**(1): 7-14.
34. Kirti, J.S., Kaur, J. and **Kaur, S.** (2012). Observation of new variations on wings and palpi of two species of *Anopheles* mosquitoes from North-West India. *Bionotes*. **14**(3): 83-84.
35. Kirti, J.S., **Kaur, S.** and Shipali. (2012). Scanning Electron Microscopy (SEM) studies on Egg of *Anopheles (Anopheles) paeditaeniatus* (Leicester) (Diptera: Culicidae) From Punjab (India). *Colemania*. **28**: 1-4.
36. Kirti, J.S., **Kaur, S.** and Shipali. (2011). Morphological variations on palpi and wings in natural populations of *Anopheles (Cellia) stephensi* Liston. *J. Appl. Biosci.*, **37**(2): 122-125.
37. Kirti, J.S and **Kaur, S.** (2010). Scanning Electron Microscopic studies on Forth instar larva and pupa of *Culex quinquefasciatus* Say. *Annals of Entomology*. **29**(1):9-14
38. Kirti, J.S and **Kaur, S.** (2010). An inventory of Culicidae Diversity of Patiala. *Bionotes*. **12** (3): 97.

Book Chapters:

- **Kaur, S.** & Pandher, M.S. 2022. Insecta: Neuroptera In Fauna of Himachal Pradesh, State Fauna Series, Published by Director Zoological Survey of India, Kolkata .26 (Part-2) 67-75.
- Pandher, M.S, **Kaur, S** & Garima, D. 2022. Insecta: Trichoptera In Fauna of Himachal Pradesh, State Fauna Series, Published by Director Zoological Survey of India, Kolkata .26 (Part-2) 77-92.
- Kirti, J.S. and **Kaur, S.** 2021. Parlance of insect systematics: From classical to molecular: the journey has been long; In Advances in animal experimentation and modeling, published by Academic Press (Elsevier), pp 223-246.

- **Kaur, S.** and Pandher, M.S. 2021. Insecta: Neuroptera (Net Winged Insects). In Fauna of agro-ecosystems of India. Published by Zoological Survey of India, Kolkata. pp 513-530
 - **Kaur, S.** and Pandher, M.S. 2021. Insecta: Trichoptera. In Fauna of agro-ecosystems of India. Published by Zoological Survey of India, Kolkata. pp 531-538
 - **Kaur, S.** and Pandher, M.S. 2021. Insecta: Neuropterida In Current status of Fauna Diversity in Telangana, Published by Zoological Survey of India, Kolkata pp 237- 242
 - **Kaur, S.** and Pandher, M.S. 2021. Insecta: Tricoptera In Faunal diversity of Biogeographic one of India: North- East, Published by Zoological Survey of India, Kolkata pp 463-481.
 - **Kaur, S.** and Pandher, M.S. 2019. Insecta: Neuroptera In Fauna of Bhoj wetland, Bhopal. **22**: 125. (Published by the Director, Zoological Survey of Survey, Kolkata)
 - **Kaur, S.** and Pandher, M.S. 2019. Insecta: Trichoptera. In Fauna of North- East India. Published by Zoological Survey of India, Kolkata pp 463-481
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Seminar/Conference/Symposium/ Workshop Attended/Paper Presented:

1. Contributed abstract in XVI International Symposium on Neuropterology (Online) from May 22-27, 2022.
2. **Contributed abstract and presented poster** in Entomology 2019 held at St. Louis, Missouri, USA organized by Entomological Society of America from Nov., 17-20, 2019.
3. **Presented paper** in National conference on Himalayan Biodiversity and Bioresource utilization held at Department of Biosciences, Himachal University, Shimla from Oct., 10-12, 2019.
4. **Contributed abstract and presented poster** in National Seminar on Entomology: Issues and opportunities held at Dept. of Zoology, Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir from July 29-30, 2019.
5. **Contributed abstract** in 6th International Forum for Surveillance and Control of Mosquitoes and Vector-borne Diseases (Xiamen, China) held at China from May 27-31, 2019.
6. **Delivered a lecture** on introduction, identification and preservation of Neuroptera in Green Skill Development Programme on 22nd Feb., 2019 at ZSI, HQ, Kolkata.

7. **Contributed abstract and presented poster** in The National Seminar on Environmental changes and its Impact on Faunal Diversity in Indian Agro-ecosystems held at Dept. of Zoology, Punjab Agriculture University, Ludhiana from Nov., 18-19, 2018.
8. **Contributed abstract and presented poster** in XVI International Symposium on Trichoptera held on June 5-9, 2018 at Surat Thani, Thailand.
9. **Contributed abstract and presented paper** in International Conference on Entomology held on December 3-5, 2016 at Punjabi University, Patiala.
10. **Contributed abstract and presented paper** in National conferences ZOOCON-2016 on the theme “Integrating Biodiversity for rephrasing therapeutics and sustainability from November 17-18, 2016 at Department of Zoology, Panjab University, Patiala.
11. **Contributed abstract and presented poster** in 2nd National symposium on emerging trends in biological Sciences held on 12th November, 2016 at Multani Mal Modi College, Patiala.
12. **Presented poster** in National Symposium on Forensic Biotechnology organized by Institute of Forensic Science and Criminology & association of Microbiologists of India held at Panjab University, Chandigarh on 30th September, 2016.
13. **Participated & presented paper** in one day workshop on Prospects of Research & funding in college organized by Editorial Board of International Journal of Neosciences, held on 30th March, 2016 at DAV College, Chandigarh.
14. **Participated** in Faculty Development Programme in Biological Sciences held at DAV College, Sector-10, Chandigarh from Feb 21-28, 2016.
15. **Participated and presented poster** in two day seminar during MKC Memorial meeting held at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore from Feb 4-5, 2016.
16. **Contributed abstract and presented paper** in “National Conference on Entomology” held on October 29-30, 2015 at Department of Zoology & Environmental Sciences, Punjabi University, Patiala.
17. **Participated** in workshop on Entomology held at Department of Zoology & Env. Sci., Punjabi University, Patiala on 7th March, 2015.

18. One day State Level Seminar on **“Excessive use of toxic chemicals: Its Impact on Human Health and Environment”** held at A.S. College, Khanna on 29th January, 2015. An **abstract was contributed and presented a paper** in it.
19. **Participated** in workshop on Brainstorming on Personal Magnification held at DAV College, Sector-10, Chandigarh on 20th November, 2014.
20. **Participated** in National workshop on Contemporary Topics in Biology held at DAV College, Sector-10, Chandigarh from November 10-11, 2014.
21. **Contributed an abstract & presented a paper in “International Conference on Entomology”** held at Department of Zoology & Environmental Sciences, Punjabi University, Patiala from February 22-24, 2014.
22. **Contributed an abstract and presented a poster in “XII- Symposium on Vectors & Vector Borne Diseases”** held in Udaipur from October 16-18, 2013.
23. **Participated** in one day workshop on Water and Biodiversity organized by Department of Zoology and Environmental Sciences, Punjabi University, Patiala on 28th May, 2013.
24. **National Conference on Man & Environment** held at Department of Zoology & Environmental Sciences, Punjabi University, Patiala from October 15-16, 2012 and **abstract was contributed**.
25. **Participated** and **assisted** Dr. Jagbir Singh **for demonstration of insect dissection** during one day Workshop on Entomology sponsor by DBT at DAV College, Jalandhar on 14th Sept., 2012.
26. **International Conference on Entomology** held at Department of Zoology and Environmental Sciences, Punjabi University, Patiala from February 17-19, 2012, **abstract was contributed and presented a paper**.
27. **Contributed an abstract and presented a paper in “XI- Symposium on Vectors & Vector Borne Diseases”** held in Jabalpur from October 15-17, 2011.
28. **Participated** in training programme on Science Communication through Digital Media held at Department of Journalism and Mass Communication, Punjabi University, Patiala from March 29- April 1, 2011.
29. **Participated** in **“XXII National Symposium on Chronobiology”** held at Department

of Zoology, Kurukshetra University, Kurukshetra from March 15-17, 2011.

30. **Participated and presented a paper in National Conference on Environment Degradation and its Impact on Mankind** held in Department of Zoology, Punjabi university, Patiala from 19-20 November, 2010.
31. **Participated and presented a paper in National Conference on Recent Advances in Agriculture** held at Department of Agriculture, Baba Farid College, Bathinda from September 2-3, 2010.
32. **Participated and presented a poster in “National Conference on Advances in Biological Sciences”** held at Punjab University, Chandigarh from 30-31 March, 2010.
33. **Participated and presented a paper in International Conference on “Advances in Entomology”** held at Department of Zoology, Punjabi University, Patiala from February 20- 22, 2009.
34. **Participated in Xth International Symposium on Vectors and Vector Borne Diseases** held at National Institute of Malaria Research, Goa from November 4-6, 2009.

Lecture Invited talk delivered:

- Delivered invited talk on “**Humans and environmental health**” organized by Post Graduate Dept. of Zoology, DAV College, Jalandhar under webinar sponsored by DBT.
- Delivered invited talk on “**New Approaches To Manage The Major Vector Species Of Family Culicidae**” in mosquito week celebrated by Dept. of Zoology, Post Graduate Govt. College for Girls on 15th April, 2021.
- Delivered talk on “**Environmental Health**” in NSS camp organized by Post Graduate Govt. College for Girls

Personal Dossier:

Date of Birth	4 th July, 1985
Father’s Name	S. Surinder Singh
Language Known	English, Punjabi and Hindi
Permanent Address	House No. 1014, Sector- 79, SAS Nagar, Mohali, Punjab

Simarjit Kaur

Date: 9 September, 2022

(Dr. Simarjit Kaur)