

BIODATA/CV

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Research Interests: **Evolution, Entomology, Molecular Phylogeny**

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- **Blogger ID:** <https://drdeepakrawal.blogspot.com>
- **SSRN ID:** https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=4721734
- **LiveDNA ID:** <https://livedna.net/?dna=91.41057>

• **Books Authored:**

1. **Deepak Rawal**, A review on Chironomids, *Astral Publications*, New Delhi, 2015. (ISBN-9789351306191).
2. **Deepak Rawal**, A Brief Account on Chironomids (Diptera) of Udaipur (Rajasthan) Region, *LAP Lambert Academic Publishing*, Germany, 2017. (ISBN-9786202050609).
3. **Deepak Rawal**, A Textbook of Comparative Osteology of Vertebrates, *LAP Lambert Academic Publishing*, Germany, 2019. (ISBN-9786200469014).

• **Patents Published:**

1. AI Based insects' detection and notification device. (**Design No. 431706-001; Publication date: 26/09/24**)
2. Insect Repellent Device (**Utility No. 202511000062 A; Issue no 03/2025; Publication date: 17/01/25**)

• **Publications in Scientific Journals:**

1. **Rawal Deepak**. Ecological analysis of *Chironomus* larvae (Diptera: Chironomidae) collected from Ayad River in Udaipur city. *International Journal of Fauna and Biological Studies* (ISSN 2394-0522). 1(5): 20-21, 2014.
2. **Singh Preeti and Rawal Deepak**. *Einfeldia pritiensis*, a new species of Chironomidae (Diptera) from Udaipur region (Rajasthan, India). *Journal of Entomology and Zoology Studies* (ISSN 2349-6800). 4(2):319-320, 2016.
3. **Singh Preeti and Rawal Deepak**. Biodiversity of Chironomidae (Diptera) from Udaipur region (India). *International journal of Advanced Research* (ISSN 2320-5407). 4(9): 502-505, 2016.
4. **Singh Preeti and Rawal Deepak**. Molecular phylogeny of *Einfeldia* (Diptera: Chironomidae) inferred from sequencing of mitochondrial cytochrome oxidase subunit 1 (COX1) gene. *International Journal of Entomology Research* (ISSN 2455-4758). 1(6): 11-15, 2016.
5. **Singh Preeti and Rawal Deepak**. Morphology of *Einfeldia* (Diptera: Chironomidae) found in Udaipur region. *International Journal of Zoology Studies* (ISSN 2455-7269). 1(6): 23-25, 2016.
6. **Rawal Deepak**. Role and impact of YouTube in higher education. *International Journal of Research and Analytical Reviews* (ISSN 2349-5138). 5(4): 1746-1748, 2018.
7. **Rawal Deepak, Verma Himani and Prajapat Gyata**. Ecological and economic importance of Chironomids (Diptera). *Journal of Emerging Technologies and Innovative Research* (ISSN 2349-5162). 5(12): 693-696, 2018.

8. **Rawal Deepak, Prajapat Gyata and Verma Himani.** Status of Chironomids (Diptera) as potential bioindicators. *International Journal of Advanced Scientific Research and Management (ISSN 2455-6378)*. 4(1): 154-156, 2019.
9. **Rawal Deepak.** Relationship between number of teats and litter size in Eutherian mammals. *International Journal of Scientific research in biological sciences (ISSN 2347-7520)*. 6(1): 249-252, 2019.
10. **Rawal Deepak.** Uncertainty of evolution! *International Journal of Research and Analytical reviews (ISSN 2349-5138)*. 6(1): 67-71, 2019.
11. **Rawal Deepak.** The Causes and Significance of stripes on Zebras. *Journal of Emerging Technologies and Innovative Research (ISSN 2349-5162)*. 6(4): 153-157, 2019.
12. **Rawal Deepak.** A Review on Cranial Appendages of Ruminants. *Journal of Emerging Technologies and Innovative Research (ISSN 2349-5162)*. 6(5): 642-644, 2019.
13. **Rawal Deepak.** A review on different strategies used for biological control of mosquitoes. *International Journal of Mosquito Research (ISSN 2348-5906)*. 6(5): 41-43, 2019.
14. **Rawal Deepak and Sharma Gayatri.** Overlooked therapeutic potential of Panchagavya. *CIBTech Journal of Zoology (ISSN 2319-3883)*. 8(3): 58-63, 2019.
15. **Rawal Deepak.** Enigma of Hexapod Evolution. *International Journal of Entomology Research (ISSN 2455-4758)*. 5(1): 13-14, 2020.
16. **Rawal Deepak.** A report on various beneficial roles of insects. *International Journal of Entomology Research (ISSN 2455-4758)*. 5(1): 15-17, 2020.
17. **Rawal Deepak.** An overview of natural history of the human malaria. *International Journal of Mosquito Research (ISSN 2348-5906)*. 7(2): 8-10, 2020.
18. **Rawal Deepak.** An insight to the concept of eusociality in insects. *International Journal of Entomology Research (ISSN 2455-4758)*. 5(2): 53-56, 2020.
19. **Prajapat Gyata and Rawal Deepak.** Biodiversity assessment of Chironomids (Diptera: Chironomidae) in Rajsamand Lake (Rajasamand, Rajasthan, India). *International Journal of Zoological Investigations (ISSN 2454-3055)*. 7(1): 90-97, 2021.
20. **Verma Himani and Rawal Deepak.** Biodiversity analysis of chironomids (Diptera: Chironomidae) in Jaisamand Lake (Udaipur, Rajasthan). *International Journal of Entomology Research (ISSN 2455-4758)*. 6(2): 135-139, 2021.
21. **Rawal Deepak, Verma Himani and Prajapat Gyata.** Identification and confirmation of *Chironomus circumdatus* Kieffer, 1916 (Diptera: Chironomidae) using DNA Barcoding. *International Journal of Zoological Investigations (ISSN 2454-3055)*. 7(1): 301-307, 2021.

22. **Rawal Deepak, Sharma Gayatri and Rajpurohit Radhika.** Practices and Scopes of anthro-entomophagy. *International Journal of Entomology Research (ISSN 2455-4758)*. 7(2): 48-53, 2022.
23. **Rawal Deepak and Singh Shruti.** Evolution of Hematophagy in Insects: A new Perspective. *Bulletin of Pure and Applied Sciences Zoology (Animal Science) (ISSN 0970-0765)*. 43A(1): 74-77, 2024.
24. **Rawal Deepak, Rajpurohit Aishwarya, Singh Shruti, Suthar Yamini, and Dhaked Jaynesh.** Evolution of Flight in Insects. *International Journal of Entomology Research (ISSN 2455-4758)*. 9(7): 172-175, 2024.
25. **Rawal Deepak, Rajpurohit Aishwarya, Singh Shruti, Suthar Yamini and Dhaked Jaynesh.** Molecular phylogenetic and evolution of mosquitoes. *International Journal of Mosquito Research (ISSN 2348-5906)*. 11(4): 115-119, 2024.
26. **Rawal Deepak and Suthar Yamini.** CRISPR: A Review on Hype versus Reality. *Biospectra (ISSN 0973-7057)*. 19(1): 9-12, 2024.
27. **Rawal Deepak and Rajpurohit Aishwarya.** Diversity and Ecology of Aquatic Insects. *Journal of Environment and Bio-sciences (ISSN 0973-6913)*. 38(2): 147-149, 2024.
28. **Rawal Deepak and Rajpurohit Aishwarya.** Cleidoic eggs: a key to water to land transition. *Indian Journal of Applied and Pure Biology (ISSN 0970-2091)*. 40(1): 621-627, 2025.
29. **Rawal Deepak and Rajpurohit Aishwarya.** Flightless Birds: Unglorified Reptiles. *International Journal of Zoological Investigation (2454-3055)*. 11(1): XX, 2025.
30. **Rawal Deepak and Rajpurohit Aishwarya.** Zooplankton An Invisible Food Web. *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*". (2277-4998). 14(10): XX, 2025.

• **Papers presented in International conferences:**

1. Poster presentation on title "*BLAST A Review*" in 19th **ISCB International Conference**, organized by Indian Society of Chemists & Biologists, Lucknow and Department of Chemistry, MLSU Udaipur, Rajasthan. (2-5 March, 2013).
2. Poster presentation on title "*Diversity of Chironomids (Diptera) in Udaipur city (Rajasthan)*" in **International conference** on recent advances at interface of physical and life sciences (RAIPLS-2019) organized by Department of Chemistry, University of Rajasthan, Jaipur. (28-30 January, 2019).
3. Poster presentation on title "*YouTube in Higher Education*" in 14th **India-Japan International Conference** on sustainable development goals of United Nations to transform our World organized by Biyani Shikshan Samiti, Jaipur, Rajasthan. (23-25 September, 2019).

4. Poster presentation on title “*Dilemma of organic evolution*” in **International Conference** on Emerging challenges, their solutions and recent advances in science, organized by Government Science College, Sikar, Rajasthan. (4-5 October, 2019).
5. Oral presentation on title “*Algebra in biology*” in **International Conference** on recent advances in algebra, analysis and applications (ICRAAAA-19), organized by Department of Mathematics & Statistics, MLSU, Udaipur, Rajasthan. (20-22 December, 2019).
6. Oral presentation on title “*Significance of Chironomids (Diptera)*” in **International Conference** on Environment, Sustainable Development and Human Health, organized by SRK Govt. PG College, Rajsamand; MP Govt. PG College, Chittorgarh and Govt. PG Science College, Sikar, Rajasthan. (16-17 December, 2022).
7. Oral presentation on title “*Evolution of eusociality in insects*” in **International Conference** on emerging challenges, their solutions and recent advances in science and technology (SCITECHCON-2023), organized by Sobhasaria College, Sikar, Rajasthan. (13-14 January, 2023).
8. Oral presentation on title “*Evolution of hematophagy amongst organisms*” in **International Conference** on green energy and sustainable environmental practices (GESEP-2023), organized by Department of Chemistry, University of Rajasthan, Jaipur, Rajasthan. (30-31 January, 2023).
9. Oral presentation on title “*Molecular Phylogeny of Chironomids (Diptera)*” in **International Conference** on Recent Trends and Innovations in Applied Sciences for Sustainable Development of Environment (RTIAS-24), organized by School of Basic and Applied Science, Sangam University, Bhilwara, Rajasthan. (22-24 January, 2024).
10. Oral presentation on title “*Morphology of Chironomids (Diptera)*” in **International Conference** on Sustainable Development: Current Scenario and Future Directions, organized by Government College Karauli, Rajasthan. (29-30 January, 2024).

- **Special Achievements:**

- Founder of a new insect species named “*Einfeldia pritiensis* Singh and Rawal, 2016” and registered it in Zoobank (Official registry of ICZN).
- Run an open access educational **YouTube channel** named “Professor Deepak Rawal”.
- Got **State Level Role Model Award 2018-19** from Govt. of Rajasthan for outstanding contribution in Higher education.
- Got **Icons of Mewar Awards 2023** from FM Tadka, Rajasthan Patrika Group for exceptional achievements in the field of education.
- Contested Rajasthan Member of Legislative State Assembly (**MLA Election, 2023**) from Udaipur (153) constituency.