

CURRICULUM VITAE

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Professor of Zoology

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Date of Birth: May 02, 1968

Postal Address: H. No. D-157, University Campus, Kurukshetra University, Kurukshetra-136119, Haryana, India

EDUCATION

| Degree | Institution | Year |
|------------------|---|------|
| Ph. D. (Zoology) | CCS Haryana Agricultural University Hisar | 1994 |
| M.Sc. (Zoology) | CCS Haryana Agricultural University Hisar | 1991 |
| B.Sc. (Medical) | Kurukshetra University, Kurukshetra | 1988 |
| Matric | Board of School Education, Haryana | 1984 |

PROFESSIONAL EXPERIENCE

| Designation | Institution | Duration |
|----------------------|------------------------------|--------------------------------|
| Professor of Zoology | IIHS, Kurukshetra University | January 4, 2019 - Present |
| Associate Professor | IIHS, Kurukshetra University | July 7, 2015 – January 3, 2019 |
| Assistant Professor | IIHS, Kurukshetra University | July 7, 2003- July 6, 2015 |

RESEARCH PROFILE

Area of Interest:

Wildlife Ecology & Animal Behaviour, Environmental Science, Rodent Pest Management

Publications:

- Research Papers: 49
- Book Chapters: 6
- Conference Proceedings: 1
- Google Scholar Metrics: Citations: 398; h-index: 9; i10-index: 9

Research Supervision

Ph.D. Awarded: 5; Ongoing: 6

Research Projects

- Biodiversity of Chhilchhila Wildlife Sanctuary, Kurukshetra, Haryana with special reference to avian fauna (UGC, 2011–2013)
- A Survey of Avifauna of Northern Haryana, India (Kurukshetra University, 2015–2017)

ACADEMIC CONTRIBUTIONS

- **Conference Attended/ Presented : 32**
- **Professional Trainings Attended: 11**
- **Radio Talks Delivered: 6**

INVITED TALKS (SELECTED)

- *“Bird Diversity and Conservation Challenges in India: A Case Study from Haryana”*, ICMBA-2024, University of Kashmir, Srinagar (June 2024)
- *“From Plumage to Preservation: Understanding Bird Diversity for Sustainable Development”*, ICNRMESFG, Govt. College Hisar (April 2024)
- *“Ecological Significance of Rural Ponds: A Haven for Bird Diversity in Northern India”*, ICEFB-2024, GJUST Hisar (Feb 2024)
- *“Avian Diversity in Unprotected Rural Wetlands: A Case Study from Haryana”*, ICRABC, Kerala (Dec 2023)
- *“Importance and Conservation of Biodiversity”*, NCC Lecture, Kurukshetra University (Oct 2013)
- *“Rodent Pests and Management”*, CCS HAU Hisar (Aug 2017)

RECOGNITIONS & HONOURS

- Eminent Scientist Award – University College, Thiruvananthapuram (Dec, 2023)
- Certificate of Appreciation – NEP 2020 Implementation, KUK (September, 2024)
- Certificate of Honours – Academic Contributions (2018–2023), KUK
- Executive Council Member, Kurukshetra University (2023–2025)
- Court Member, Kurukshetra University (Jan–Feb 2022)
- Board Member, Health & Discipline, KUK (2023–Present)
- Environmental Sciences Committee Member, Indian Science Congress (2019–20 & 2023–24)
- PG/UG BoS Member – CRSU Jind, MD University Rohtak, Kurukshetra University
- Member- NEP Core Committee, API Proforma, Green Audit, Citizens’ Charter Committees, KUK

PROFESSIONAL MEMBERSHIPS

- Member, The International Association for Ecology
- Life Member, Indian Science Congress Association (ISCA)
- Member, Editorial Board, Journal of Natural and Applied Sciences
- Member, Association of Biology Teachers, Chandigarh
- Member, Alumni Association, CCS HAU Hisar
- Member, Kurukshetra University Kurukshetra Alumni Association(KUKAA)
- President, Kurukshetra University Teachers’ Association (KUTA) (2015–16, 2017–18, 2020–21)
- President, HFUCTO (2015–16)

- Secretary, Kurukshetra University Teachers' Association (2009-2010, 2010-2011, 2012-2013 & 2013-14)
- Assistant Secretary, Kurukshetra University Teachers' Club

RESEARCH PAPERS

1. Kumar, P. and Pasahan, S.C. 1991. Fluctuations in the burrow intensity of sympatric murids in relations to different crops at village Kakrod – Jind (Haryana). *Annals of Arid Zone*, 30(4): 361-365.
2. Kumar, P. and Pasahan, S.C. 1992. Effect of biotic factors on population fluctuations in sympatric field murids. *Annals of Arid Zone*, 31(2): 97-102.
3. Kumar, P. and Pasahan, S.C. 1993. Effect of abiotic factors on the burrow density of some sympatric field murids. *Journal of Bioscience*, 18(1): 149-153.
4. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1994. Evaluation of rodenticidal baits in muskmelon fields for rodent management. *Pest Management and Economic Zoology*, 2(2):139-142.
5. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1994. Studies on species composition, population dynamics and extent of rodent damage in some summer vegetable crops. *Annals of Arid Zone*, 33(4): 325-328.
6. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1995. Impact of bund dimensions on the rodent infestation. *Rodent Newsletter*, 19(1): 5-6.
7. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1995. Efficacy of live trapping for rodent management in vegetable crops. *Rodent Newsletter*, 19(1): 8-9.
8. Kumar, P., and Pasahan, S.C. 1995. Ecology and management rodents in some vegetable crops in and around Hisar. *Rodent Newsletter*, 19(2): 12-13.
9. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1996. Evaluation of rodenticides for rodent management in bottlegourd crop fields. *Pestology*, 20(1): 24-27.
10. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1996. Evaluation of rodenticidal baits against rodent population in lognmelon (*Cucumis melo var. utlissimus*) crop fields. *Annals of Arid Zone*, 35(4):373-376.
11. Kumar, P., Pasahan, S.C., Sabhlok, V.P. and Singal, R.K. 1997. Efficacy and economics of rodenticides for rodent management in watermelon (*Citrullus vulgaris*) crop fields. *Indian Journal of Agricultural Sciences*, 67(11): 528-530.
12. Sabhlok, V.P., Pasahan, S.C., Kumar, P. and Singal, R.K. 1997. Evaluation of different rodenticidal baits against rodent population in cucumber (*Cucumis sativus*) crop fields. *Indian Journal of Experimental Biology*, 35:670-672.
13. Kumar, P., Pasahan, S.C. Sabhlok, V.P. and Singal, R.K. 1997. Burrow intensity fluctuations of field rodents in relation to the developmental stages of vegetable crops. *Annals of Arid Zone*, 36: (2): 147-149.
14. Chopra, G., Kandhwal, S., Kumar, P. and Rai, D. 2008. Opinion survey of rodent menace and control in commercial poultry facilities. *Pestology*, 32(2):61-65.

15. Chopra, G., Kandhwal, S., Kumar, P. and Rai, D. 2008. Pattern of rodent distribution and infestation in commercial poultry facilities in Haryana. *Environment and Ecology*, 26(3): 1006-1009.
16. Kumar, P., Gupta, S.K. and Malik, M.K. 2008. Status of water birds in village ponds / water bodies around Kurukshetra. *Research Link*, 7(9): 9-10.
17. Chopra, G., Kandhwal, S., Kumar, P., Rai, D. and Gupta, S.K. (2009) Food preference behaviour of *Rattus rattus* L. infesting poultry farms. *Journal of Experimental Zoology India*, 12(1):107-111
18. Gupta, S.K. and Kumar, P. 2009. Survey of avian fauna in and around Kurukshetra, Haryana, India. *Indian Forester*, 135(10): 1367-1376.
19. Gupta, S.K., Kumar, P. and Malik, M.K. 2009. Avifaunal diversity in the Kurukshetra University Campus, Kurukshetra. *Journal of Threatened Taxa*, 1(12): 629-632.
20. Kumar, P. and Gupta, S.K. 2009. Diversity and abundance of wetland birds around Kurukshetra, India. *Our Nature*, 7: 212-217.
21. Chopra, G., Kumar, A. and Kumar, P. 2012. Population of House Sparrow, *Passer domesticus* (Linnaeus, 1758) in different habitats of District Kurukshetra, Haryana (India). *Nature and Science*, 10(1):113-122.
22. Chopra, G., Bhoombak, M.B. and Kumar, P. 2012. Group size and composition, sex ratio and birth seasons in Hanuman langurs in Morni Hills of Haryana, India. *Journal of Experimental Zoology India*, 15(1):219-225.
23. Chopra, G., Bhoombak, M.B. and Kumar, P. 2012. Selection and shifting of sleeping sites by Hanuman langurs in Morni Hills of Haryana, India. *Zoo's Print*, 27(5): 19-23.
24. Kumar, P. and Gupta, S.K. (2013) Status of wetland birds of Chhilchhila Wildlife Sanctuary, Haryana, India. *Journal of Threatened Taxa*, 5(5): 3969-3976.
25. Chopra, G., Bhoombak, M.B. and Kumar, P. 2013. Prevalence of non-human primates in Morni Hills of Haryana, India: a survey. *Tiger Paper*, 40(2): 1-9.
26. Kumar, P. 2014. Survey of wetland birds in rural ponds around Kurukshetra (Haryana), India. Proc. National Seminar "Next Generation Sciences: Vision 2020 & Beyond" held at Department of Zoology, M.D. University, Rohtak.
27. Kumar, P., Rai, D. and Gupta, S.K. 2016. Wetland bird assemblage in rural ponds of Kurukshetra, India. *Waterbirds*, 39(1): 85-97.
28. Kumar, P. And Sharma, A. 2018. Community structure and population dynamics of wetland birds in man-made sacred wetland of Kurukshetra, Haryana, India. *Environment and Ecology*, 36 (1A): 226—231.
29. Kumar, P. and Sharma, A. 2018. Diversity and population status of wetland birds in Brahma Sarovar -a sacred pond of Kurukshetra, India. *Journal of Experimental Zoology India*, 21(1): 287-294.
30. Kumar, P. And Sharma, A. 2018. Diversity and status of avifauna in man-made sacred ponds of Kurukshetra, India. *Journal of Threatened Taxa*, 10(9):12173-12193.

31. Kumar, P. and Sharma, A. 2019. Wetland birds assemblages in man-made sacred ponds of Kurukshetra, India. *Proceedings of the Zoological Society*, 72(1):61-73.
32. Rai, D., Gulia, R., Chopra, G. and Kumar, P. 2019. Avifaunal community composition and current status in Basai wetlands: an important bird area in Haryana, India. *Indian Forester*, 145(10):971-985.
33. Kumar, P. and Sahu, S. 2019. Diversity of avifauna in agricultural landscape: records from Panipat, Haryana, India. *Ecology, Environment & Conservation*, 25 (Suppl. Issue): S210-S219.
34. Kumar, P. and Sahu, S. 2019. Guild, status and diversity of avifauna in agricultural landscapes of district Panipat, Haryana, India. *International Journal of Ecology and Environmental Sciences*, 45 (4): 345-356.
35. Kumar, P. and Sahu, S. 2019. Avian diversity in agricultural landscapes of district Panipat, Haryana, India. *Asian Journal of Conservation Biology*, 8(2): 188-198.
36. Kumar, P. and Sahu, S. 2020. Composition, diversity and foraging guilds of avifauna in agricultural landscapes in Panipat, Haryana, India *Journal of Threatened Taxa*, 12(1):15140-15153.
37. Kumar, A. Kumar, P., Rana, S. and Parul. 2022. The rare black Northern Palm Squirrel from Haryana, India. *Zoo's Print* 37(3): 23–25.
38. Boora, V. And Kumar, P. 2023. Diversity, status and seasonality of wetland birds in rural ponds of District Kurukshetra, Haryana, India. *International Journal of Ecology and Environmental Sciences*, 49(1): 51-61.
39. Boora, V. and Kumar, P. 2023. Avifaunal diversity in unprotected rural wetland: records from Kurukshetra, Haryana, India. *Environment and Ecology*, 41(2): 781-791.
40. Parul and Kumar, P. 2023. Assessing avian diversity and conservation status in Dighal wetlands, Haryana, India. *Journal of Threatened Taxa*, 15(10): 23996-24008.
41. Devi, R. and Kumar, P. 2024. Distribution status and roost characteristics of Indian flying fox *Pteropus medius* (Chiroptera: Pteropodidae) in Kurukshetra district, Haryana, India. *Journal of Threatened Taxa*, 16(2): 23996-24008.
42. Gupta, V. and Kumar, P. 2024. Diversity and status of butterfly fauna at Kurukshetra University campus, Haryana, India. *Journal of Threatened Taxa*, 16(5): 25209-25219.
43. Gupta, V. and Kumar, P. 2024. Butterfly diversity and seasonality at Hathnikund Barrage: insights from a natural ecotone in Haryana, India. *Proceedings of the Zoological Society*, 77(3): 329-337.
44. Devi, R. and Kumar, P. 2024. Diurnal roosting behaviour of Indian Flying Fox *P. medius* Temmink, 1825 (Mammalia: Chiroptera: Pteropodidae) in Kurukshetra district, Haryana. *Proceedings of the Zoological Society*, 77(4): 511-524.
45. Parul and Kumar, P. 2024. Foraging ecology of wetland birds in heterogeneous habitats: A case study of the Dighal wetlands, Haryana, India. (2024). *Journal of Applied and Natural Science*, 16(4), 1627-1638.

46. Devi, R. and Kumar, P. 2025. Population trends and seasonal fluctuations of Indian Flying Fox *Pteropus medius* in the semi-arid habitat of Kurukshetra District, Haryana: Implications for conservation strategies. ***Biology Bulletin***, 52(1): 24.
47. Neha and Kumar, P. 2025. Butterfly diversity in the urban ecosystem of Karnal, Haryana, India: seasonal patterns and conservation implications. ***Journal of Basic and Applied Zoology***, 86, 57 (2025). <https://doi.org/10.1186/s41936-025-00478-x>
48. Gupta, V. and Kumar, P. 2025. Seasonal dynamics and diversity of butterflies in urban parks of the Yamuna River Floodplain Area in Haryana, India. ***Ecological Questions***. Online. 31 July 2025. Vol. 36(2), pp. 1-37. [Accessed 5 August 2025]. <https://doi.org/10.12775/EQ.2025.022>
49. Gupta, V. and Kumar, P. 2025. Butterfly diversity and abundance in a protected area of Shivalik Hills, India. . ***Proceedings of the Zoological Society***. <https://doi.org/10.1007/s12595-025-00583-3>

BOOK CHAPTERS

1. Kumar, P. 2015. Vertebrate faunal diversity of Chhilchhila Wildlife Sanctuary of Haryana, India with special reference to avifauna. In: *Animal diversity, natural history and conservation* - vol. 4. V. K. Gupta and A.K. Verma(eds.). Daya Publishing House, Delhi. pp. 309-338.
2. Kumar, P., Gupta, S. K. and Rai, D. 2016. Diversity and status of wetland birds in Trans-Gangetic region of Haryana, India. In: *Population, Development and Environment: An Indian Experience*. A. K. Rai and A. Kumar (eds.). Manakin Press, New Delhi, India. pp. 329-349.
3. Kumar, P., Gupta, S. K. and Rai (2016). Avifaunal diversity of district Kurukshetra, Haryana, India. In: *Population, Development and Environment: An Indian Experience*. A. K. Rai and A. Kumar (eds.). Manakin Press, New Delhi, India. pp. 363-384.
4. Kumar, P. 2018. Wetland bird assemblages in man-made sacred ponds of Kurukshetra, India. In: *Biodiversity and Bioprospects: Indian Scenario and Perspective*. P.N. Rao, A. Saxena, B.N. Pandey and G.K. Kulkarni (eds.). Today and Tomorrow's Printers and Publishers, New Delhi, India. pp. 15-21.
5. Kumar, P. and Sharmila, S.S. (2020). Diversity and temporal variation of the bird community in agricultural landscapes of district Panipat, Haryana, India. In: *Ecology and Biodiversity*. P.C. Joshi, N. Joshi, B.N. Pandey and D.K. Mansotra(eds.). Today and Tomorrow's Printers and Publishers, New Delhi, India. pp. 91--112.
6. Gupta, V. and Kumar, P. 2024. Wings of diversity: Exploring the behaviour and diversity of butterflies. In: *Latest Trends in Agriculture Entomology*. K. Singh(ed.). Integrated Publications, New Delhi, India. Pp. 127-139.