

Name V. Elangovan
 Designation Professor
 Department Zoology
 School Life Science
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Education Qualification

	Organization	Year of Award
Undergraduation	Bharathidasan University, Tiruchirappalli, Tamil Nadu	1992
Post-graduation	Bharathidasan University, Tiruchirappalli, Tamil Nadu	1994
Ph. D.	Madurai Kamaraj University, Madurai, Tamil Nadu	2000
Post-Doctoral Training	Madurai Kamaraj University, Madurai, Tamil Nadu	2002 - 2005

Professional Experience (In Years):

Teaching Experience: 15
 Research Experience: 18

- Animal Behaviour
- Wild life Biology
- Biodiversity and Conservation

Research/ Consultancy Grants

Title of Projects	Funding agency	Duration (Specific Dates)
Olfactory sensitivity of Indian short-nosed fruit bat, <i>Cynopterus sphinx</i> .	Department of Science and Technology, New Delhi, DST, R/FTP/LS-A-25/2001, Dt. 8.8.2002.	Sep 2002 - May 2005
Isolation of <i>Histoplasma capsulatum</i> from the roosting sites of bats in Uttar Pradesh.	Council of Scientific and Industrial Research, CSIR, 37(1281)/ 07/EMR-II, Dt. 30/03/07.	Jan 2008 – Jan 2011
Chiropteran diversity and conservation in Uttar Pradesh	UP State Biodiversity Board, No: 493 / 3-4-48 / 2013	April 2013 – March 2016
Roost selection, roosting behaviour and population dynamics of mouse - tailed bats (Rhinopomatidae) in Uttar Pradesh	University Grants Commission, New Delhi, F.No. 42-530/2013 (SR)	April 2013 – March 2016

Ultrastructural and molecular characterization of guanophilic fungi of bats.	Science and Engineering Board, DST, New Delhi, No: SB/EMEQ-009/2013	Jan 2014 – Jan 2016
Foraging behaviour and ecological implications of insectivorous bats	Science and Engineering Board, DST, New Delhi, No: EEQ/2018/000104	Feb 2019 - Feb 2022
A study on evolution and fitness consequences of conventional and alternative reproductive strategies in the Indian flying fox, <i>Pteropus giganteus</i>	Science and Engineering Board, DST, New Delhi, No: CRG/2019/000278	23 Jan 2020 - 22 Jan 2023

Publications

International

1. Dwivedi, A., Elangovan, V., Manisha, Misra, P. K. (2020) Seasonal variation in feeding behaviour and foraging success of Indian pond heron (*Ardeola grayii*) in different habitats. Indian Journal of Science and Technology, 13(22): 2203-2213.
2. Shani Kumar Bharti, Vadamalai Elangovan. (2020). Influence of urbanization on roost selection of Asiatic Lesser Yellow bat, *Scotophilus kuhlii* (Leach, 1821) in Uttar Pradesh, India. Asian Journal of Conservation Biology, 9 (1): 143-150
3. Misra, P. K., Gautam, N. K., Elangovan, V. (2020). Morphological and Molecular Characterizations of Guanophilic Fungi of Bats. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. 90(3): 595–604
4. Kumar, R., Elangovan, V. (2019). Effect of tree characteristics on roost selection of the Indian flying fox, *Pteropus giganteus*. Bat Research & Conservation, 12 (1): 100 – 106.
5. Misra, P. K., Gautam, N. K., Elangovan, V. (2019). Bat guano: a rich source of macro and microelements essential for plant growth. Annals of Plant and Soil Research, 21(1): 82 – 86
6. Ram Kumar, Deep Narayan and V. Elangovan. (2019). The Effect of Seasonal Changes on Emergence Behaviour of the Indian Flying Fox, *Pteropus giganteus*. Proceedings of the Zoological Society, 72(1): 74–78
7. Kumar, M., Priya, Y.S., Mathur, V., Kumar, H., Elangovan, V. (2016). Ultrastructural hair morphology: a supplemental tool for species recognition in bats. Zoological Studies, 55(25): 55 - 66
8. Mukesh Kumar, Yuvana Satya Priya, Virendra Mathur and V Elangovan. (2015). Roost selection and roosting ecology of fulvous fruit bat, *Rousettus leschenaulti* (Pteropodidae). International Journal of Advanced Biological Research, 5(1): 62-68
9. Kumar, H., Priya, Y. S., Kumar, M., Elangovan, V. (2015). SEM, FTIR and biochemical characterization of bacterial pathogens causing leaf blight in mulberry leaves. International Journal of Current Science, 15: E 15-21
10. Kumar, M., Mathur, V., Priya, Y. S., Kumar, H & Elangovan, V. (2014). Scanning electron microscopy study of guard hair of three Indian pteropodid bats. Mammalia, 78(4): 533 -537.
11. Harendra K., Yuvana, S. P. Mukesh, K and Elangovan, V. (2014). Studies on Biochemical Changes of Fungal Infected Mulberry Leaves and their Effect on Growth and Cocoon Characteristics of the Silkworm (*Bombyx mori*) (Lepidoptera: Bombycidae). Entomologia Generalis, 35(1): 1–10

12. Sanjay C. Rebello, Gaurav Rathore, Peyush Punia, Neeraj Sood, V. Elangovan. (2013). Development and characterization of a continuous macrophage cell line, LRTM, derived from thymus of *Labeo rohita* (Hamilton 1822). *In Vitro Cellular & Developmental Biology - Animal*, 50(1): 22 – 38
13. Harendra K., Yuvana, S. P. Mukesh, K and Elangovan, V. (2013). Effect of different mulberry varieties and seasons on growth and economic traits of bivoltine silkworm (*Bombyx mori*). *Journal of Entomology*, 10(3): 147 -155
14. Raghuram, H., Yuvana Satya Priya, E., Marimuthu, G., Elangovan, V. (2012). Effect of reproduction and nutritional qualities of fruits on food choice and voluntary food intake of Indian fulvous fruit bat, *Rousettus leschenaulti* (Desmarest 1820). *Proceedings of the Indian National Academy of Science*, 78(1): 1 – 7.
15. Baskaran S, Kaliraj P, Maruthupandian J, Marimuthu G, Elangovan V. (2015). Influence of Rain on Activity of the Indian Flying Fox *Pteropus giganteus*. *Indian Journal of Science*, 15(44), 6-12
16. Misra, P. K., Elangovan, V. (2015). Guano-philic Fungi of Mouse-Tailed Bats. *South Asian Journal of Life Science*, 3(2): 56-62
17. Kumar, R., Elangovan, V. (2013). Rearing Performance of Eri Silkworm (*Philosamia ricini*) during autumn Season of Uttar Pradesh. *Indian Journal of Sericulture*, 52(2): 131 – 138.
18. Kumar, R., Elangovan, V. (2012). Rearing performance of different eco-races of eri silkworm (*Philosamia ricini*) Donovan during summer season of Uttar Pradesh. *Experimental Zoology, India*, 15(1): 163 – 168. *Journal of*
19. Karuppururai, T., Gopukumar, N., Elangovan, V., Sripathi, K., Marimuthu, G. (2008). Transition of nonharem male to harem male status in the short-nosed fruit bat *Cynopterus sphinx*. *Mammalian Biology*, 73(2): 138 – 146.
20. Karuppururai T, Sripathi K, Gopukumar N, Elangovan V, & Marimuthu G. (2007). Genetic diversity within and among populations of the Indian short-nosed fruit bat, *Cynopterus sphinx* assessed through RAPD analysis. *Current Science*, 93(7): 942 – 950
21. Elangovan, V., Priya, Y. S., Raghuram, H., Marimuthu, G. (2007). Wing morphology and flight development in the short-nosed fruit bat *Cynopterus sphinx*. *Zoology*, 110: 189 – 196
22. Elangovan, V., Priya, Y. S., Marimuthu, G. (2006). Olfactory discrimination ability of the short-nosed fruit bat *Cynopterus sphinx*. *Acta Chiropterologica*, 8(1): 247– 253
23. Nathan, P. T., Raghuram, H., Elangovan, V., Karuppururai, T., Marimuthu, G. (2005). Bat pollination of kapok tree, *Ceiba pentandra*. *Current Science*, 88(10): 1679 –1681
24. Elangovan, V., Raghuram, H., Priya, Y. S., Marimuthu, G. (2004). Wing morphology and flight performance in *Rousettus leschenaulti*. *Journal of Mammalogy*, 85(4): 806–812.
25. Elangovan, V., Priya, Y. S., Raghuram, H., Marimuthu, G. (2003). Postnatal development in the Indian short-nosed fruit bat *Cynopterus sphinx*: growth rate and age estimation. *Acta Chiropterologica*, 5(1): 107– 116
26. Elangovan, V., Raghuram, H., Priya, Y. S., Marimuthu, G. (2002). Postnatal growth, age estimation and development of foraging behaviour in the fulvous fruit bat *Rousettus leschenaulti*. *Journal of Biosciences*, 27(7): 695 – 702.

27. Elangovan V., Marimuthu G. (2001). Comparative analysis on food, energy and nitrogen intake of a megachiropteran bat, *Cynopterus sphinx*. Proceedings of the National Academy of Sciences – B India, 71(2): 115 –120
28. Elangovan, V., Marimuthu, G. (2001). Effect of moonlight on the foraging behaviour of a Megachiropteran bat *Cynopterus sphinx*. Journal of Zoology (London), 253: 347 –350
29. Elangovan, V., Marimuthu, G., Kunz, T. H. (2001). Temporal patterns of resource use by the short-nosed fruit bat *Cynopterus sphinx* (Megachiroptera: Pteropodidae). Journal of Mammalogy, 82(1): 161–165
30. Elangovan, V., Marimuthu, G., Kunz, T. H. (2000). Nectar feeding behavior in the short-nosed fruit bat *Cynopterus sphinx* (Pteropodidae). Acta Chiropterologica, 2(1): 1– 5
31. Nair, N. G., Elangovan, V., Sripathi, K., Marimuthu, G., Subbaraj, R. (1999). Foraging behaviour of the Indian short-nosed fruit bat *Cynopterus sphinx*. International Journal of Mammalian Biology, 64: 187 – 191
32. Elangovan, V., Marimuthu, G., Kunz, T. H. (1999). Temporal patterns of individual and group foraging behaviour in the short-nosed fruit bat, *Cynopterus sphinx* in South India. Tropical Ecology, 15: 681 – 687 Journal of
33. Nair, N. G., Elangovan, V., Subbaraj, R. (1998). Influence of moonlight on the foraging behaviour of the Indian short-nosed fruit bat *Cynopterus sphinx*: Radio-telemetry studies. Current Science, 74(8): 688 – 689

National

1. Manisha, Elangovan, V., Dwivedi, A. (2020). Reproductive Behaviour and Habitat Use of Cattle Egret (*Bubulcus Ibis*) In Lucknow, Uttar Pradesh. *CIBTech Journal of Zoology*, 9: 21-29
2. Bharti, S. K., Elangovan, V. (2020). Distribution and morphometric of the *Scotophilus kuhlii* (leach, 1821), at Uttar Pradesh, India. *CIBTech Journal of Zoology*, 9: 36-46
3. Prasad, D. N., Kumar, R., Elangovan, V. (2018). Evaluation of genetic diversity within the populations of the Indian false vampire bat, *Megaderma lyra* deduced by RAPD – PCR. International Journal of Biology Research, 3(1): 141-144
4. Kumar, R., Narayan, D., Elangovan, V. (2018). Diurnal reproductive behaviour of Indian flying fox, *Pteropus giganteus*. The Asian Journal of Animal Science, 12(2): 00-00
5. Kumar, R., Narayan, D., Elangovan, V. (2017). An Update on Distribution of the Indian Flying Fox, *Pteropus giganteus* in Uttar Pradesh, India. Trends in Biosciences, 10(37): 7794-7801
6. Kumar, R., Elangovan, V. (2017). Effect of Temperature and Relative Humidity on Moth Emergence and Fecundity of Different Eco-Races of Eri Silkworm (*Philosamia Ricini* Donovan). Advances in BioResearch, 8(4) 216-219
7. Narayan, D., Kumar, R., Karupudurai, Elangovan, V. (2017). Assessment of Genetic Diversity among the Populations of Mouse-tailed Bats (Rhinopomatidae) using RAPD-PCR. Trends in Biosciences, 10(37): 7718-7720
8. Yadav, M. K., Singh, P., Sharma, T., Bedwal, S., Elangovan, V. (2017). Chemical composition of guano of lesser mouse-tailed bat *Rhinopoma hardwickii* and its significance in the cave ecosystem. Journal of Experimental Zoology, India, 20(2): 785 - 788
9. Misra, P. k., Singh, A., Elangovan, V. (2016). Diversity of Guanophilic Fungi of the Greater Asiatic Yellow Bat, *Scotophilus heathii*. Trends in Biosciences, 9(1), 09-13

10. Misra, P. K., Elangovan, V. (2016). Light and Scanning Electron Microscopic Studies on Food Habit Analysis of Insectivorous Bats. *Advances in Life Sciences*, 5(9): 3649 – 3654.
11. Elangovan, V., Kumar, M. (2015). Diversity, roost selection and ecological importance of the bats of Uttar Pradesh. *Natioanal Conference for Sustainable Development*, Uttar Pradesh State Biodiversity Board, 44 - 50.
12. Mathur, V., Kumar, M., Kumar, H., Yuvana, S. P., Elangovan, V. (2014). Foraging ecology and behaviour of bats. *Advances in Life Sciences*, 3(1): 36-40.
13. Irulan, A., Nathan, P. G., Priya, Y. S., Marimuthu, G & Elangovan, V. (2011). Isolation and characterization of chitinase producing gut microflora of insectivorous bats. *Trends in Biosciences*, 4(1): 8-11.
14. Kumar, R., Elangovan, V. (2011). Rearing performance of different eco-races of eri silkworm (*Philosamia ricini* Donovan) during spring season of Uttar Pradesh. *Trends in Biosciences*, 4(1): 53-55. in
15. Srivastava, A., Elangovan, V. (2011). Nutritive contents of different varieties of mulberry leaves. *International Journal of Science and Nature*, 2(2): 254-258.
16. Mathur, V., Yuvana, S. P., Kumar, H., Elangovan, V. (2011). Reproductive behaviour and population dynamics of Indian flying fox (*Pteropus giganteus*). *Proceedings of Second Seminar on Small Mammals*, Issues 31 - 39
17. Kumar, R., Elangovan V. (2010). Rearing Performance of Eri Silkworm *Philosamia ricini* in Monsoon Season of Uttar Pradesh. *Asian Journal of Experimental Biological Science*, 1(2): 303 – 310
18. Kumar, R., Elangovan, V. (2010). Assessment of the volumetric attributes of eri silkworm (*Philosamia ricini*) reared on different host plants. *International Journal of Science and Nature*, 1(2): 156- 160.
19. Elangovan, V., Priya, Y. S., Marimuthu, G. (2010). Effect of lactation on food choice and energy balance in the short-nosed fruit bat, *Cynopterus sphinx*. *International Journal of Science and Nature*, 1(2): 108- 112

Book chapters

1. Elangovan, V., Priya, Y.S., Marimuthu, G. (2011). Postnatal development, wing morphology and flight development of the short-nosed fruit bat, *Cynopterus sphinx* *Bats: Biology, Behaviour and Conservation*. Edited by Editors: Jakob L. Zupan and Sara L. Mlakar, Nova Science Publishers, Inc. Hauppauge, NY., 978-1-61209-749-7, pp. 221-252.
2. Elangovan, V., Priya, Y.S., Marimuthu, G. (2011). Foraging Behaviour of the Short-Nosed Fruit Bat, *Cynopterus sphinx* *Bats: Biology, Behaviour and Conservation*. Edited by Editors: Jakob L. Zupan and Sara L. Mlakar, Nova Science Publishers, Inc. Hauppauge, NY., 978-1-61209-749-7, pp 91-134.
3. Marimuthu, G., Rathina, A. K., Kumar. K. S., Elangovan, V. (2015). *Bats: Diversity, behaviour and conservation*. Faunal diversity in India. Narendra Publishing House, Delhi.
4. Elangovan, V., Mathur, V., Kumar, M., Priya, Y. S. (2018). *Diversity and Conservation of Chiropteran Fauna Indian Hotspots*. Editors: C. Sivaperuman, K. Venkataraman. Springer Nature Singapore Pte Ltd. 978-981-10-6605-4

Authored Books

1. Elangovan, V., Priya. Y.S., Marimuthu, G. (2010). *The Short-nosed fruit bat: Development and Foraging Behaviour*. LAMBERT Academic Publishing AG & Co., Saarbrücken, Germany. 978- 3-8383-7185-6, pp 220
2. Kumar, R.,Kumar, M., Elangovan, V. (2015). *Karyotyping of Indian Short-nosed Fruit Bat, Cynopterus sphinx*. LAMBERT Academic Publishing AG & Co., Saarbrücken, Germany. 978-3-659-49594-6.

- Verma, R., Kumar, R., Elangovan, V. (2015). Roost selection and conservation measures of bats. LAMBERT Academic Publishing AG & Co., Saarbrücken, Germany. 978-3-659-78166-7.

Edited Books

Nil

Patents

	Inventors	Title and Award/ Application no.
Awarded	0	0
Published	0	0
Filed	0	0

Research Supervision

	Completed	Ongoing
PG	43	10
Ph.D.	8	5
Post-Doctoral	0	0

Honours, Recognitions and Awards

- DAAD Fellow, German Academic Exchange Service, Germany
- DST Young Scientist Fellowship recipient, New Delhi

Membership of Professional Bodies

- Member, Academic Council of BBAU. L. No. 1132/BBAU/AC/05, Dt. 31.10.2005
- Member, Board of Postgraduate Studies of the Department of Applied Animal Sciences, BBAU, Lucknow, L. No. 1133/BBAU/A/BOS/29/02, Dt. Oct 2005
- Member, School Board for Bioscience and Biotechnology of BBAU. L. No.1245/BBAU/BOS/29/02, Dt 22/11/2005
- Member, Research Degree Committee of BBAU. Lt. No. 2884/BBAU/06, Dt. 7.9.2006
- Coordinator, Remedial Coaching Programme for SC/ST, OBC and Minorities of BBAU, Lucknow from 07.12.2007 to 23.10.2008
- Warden of the University Boys Hostel between 07.01.2009 to 14.01.2011. L. No. 1879/BBAU/08, Dt. 10.12.2008
- Member, Anti Ragging Committee of BBAU. L. Not. 938/BBAU/2009, Dt. 24.07.2009
- Departmental Promotion Committee for Group B & C post. L. No. 1646/BBAU/10, Dt. 07-12-2010
- Head of the Department of Applied Animal Sciences of BBAU from 17.08.2011 to 17.06.2013. L. No. 1109/BBAU/11, Dt. 15.8.2011
- Recruitment and Promotion Rules Committee of BBAU. L. No. 2105/BBAU/11, Dt.07.02.2011
- Coordinator, University Science Instrumentation Centre of BBAU from 06.01.2011 to 29.11.2013. L. No. 888/BBAU/11, Dt. 06.01.2011
- University Level Purchase Committee of BBAU. Lt. No. 986/BBAU/2012, Dt. 19.07.2012

- Written contract and Memorandum of Agreement of BBAU. L. No. 885/BBAU/12, Dt. 06.7.2012
- Participated as Judge in the State Level Inspire Awards Exhibition held on 23 and 24 September 2014 at Lucknow.
- Member, Physical verification for consumable, office stationery, sanitary items, chemicals, glassware & plasticware etc of the University. L. No. 322/BBAU/14, Dt. 09.05.2014

Seminar / Conference / Symposia / Workshops Organised

Please provide details wherein the faculty member has participated as an organizing Secretary

Countries Visited

1. **Germany**, Research on the “Olfactory sensitivity of the long-tongued bat *Glossophaga soricina*” at the Max-Planck Institute for Behavioural Physiology, Post Starnberg, 82319, Germany, through DAAD Fellowship. 5.6.2000 to 21.9.2001
2. **Thailand**. To participate in the First International South East Asian Bat Conference which held in Prince of Songkla University, Thailand. 7.5.2007 to 11.5.2007
3. **Japan**, To participate in the training on ‘Scanning Electron Microscope’ held at M/s JEOL, Tokyo, Japan. 29.08.2011 to 02.09.2011

Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops

Participated / Title of Paper presented	Title of Conference / Seminar	Organizer & Date
Participated and Presented a Paper	Aqua-Terr Annual Symposium	M. K. University, Madurai, India, between 27 and 28 February 1998.
Participated and Presented a Paper	26th Conference of the Ethological Society of India	M. K. University, Madurai, from Dec 13 to 15, 2000.
Participated and Presented a Paper	All India Symposium on Wildlife & 27th Conference of the Ethological Society of India	University of Kerala, TVM, from March 25 to 27, 2002.
Participated and Presented a Paper	Science Day & Aqua-Terr Annual Symposium	M. K. University, Madurai, India, on 28th February 2003.
Participated and Presented a Paper	Science Day & Aqua-Terr Annual Conference	M. K. University, Madurai, on 5th March 2005.
Participated and Presented a Paper on 'Role of non-mulberry silkworms in silk industry'	94th Indian Science Congress	Annamalai University, Chidambaram, between 3rd and 7th January 2007.
Participated and Presented a Paper	First International South East Asian Bat Conference	Prince of Songkla University, Phuket, Thailand, between 7th and 11th May 2007.
Participated and Presented a Paper on 'Performance of different ... Uttar Pradesh'	18th All India Congress of Zoology and Nat. Seminar on current issues on applied Zoology and environ. Sci. with special reference to eco	Babasaheb Bhimrao Ambedkar University, and Lucknow University, Lucknow between 7th and 9th December 2007.

	restoration & management of bioresources	
Participated and Presented a Paper	UGC-SAP sponsored National Seminar on Status of Biodiversity and Conservation	Gurukula Kangri Vishwavidyalaya, Between 27th and 28th February 2009
Participated and Presented a Paper on Toxicological effect of <i>Channa punctatus</i> .	National Seminar on current challenges of pharmacy education & research	Rameshwaram Institute of Technology & Management and IPGA UP, held on April 16, 2011
Participated / Presented Paper (Oral)	Behavioural Ecology: Molecules to Organisms	Department of Zoology, Centre of advanced study, Banaras Hindu University, Varanasi 7th to 9th November 2014
Participated / Presented Paper on Measures to conserve diversity of chiropteran	A Two-Day National Conference On "Advances in Life Science"	Prof. Ramakrishna More Arts, Commerce and Science College, Savitribai Phule Pune University
Participated / Presented Invited lecture	Hands on Training SEM, FTIR, FPLC and Ion Chromatography	Babasaheb Bhimrao Ambedkar University, Lucknow 18th to 20th, 2015
Participated / Presented Invited lecture	National Conference on Biodegradation of Wildlife, Environment and Biodiversity' on 'Diversity of chiropteran fauna in uttar pradesh'	GF College, Shahajanpur, UP
Workshop on Biostatistics	Bharathidasan University, Tiruchirapalli, TN.	Bharathidasan University, Tiruchirapalli, between 21 and 23 December 1993.
National Symposium on Recent Trends in Indian Wildlife Research.	University Grants Commission, New Delhi.	Bharathidasan University, Tiruchirapalli, between 22 and 24 February 1995.
National Symposium of Behaviour	Ethological Society of India.	Pt. Ravishankar Shukla University, Raipur, between 28 and 30 December 1996.
Prof. S. Krishnaswamy memorial science day symposium on advances in biology	Madurai Kamaraj University, Madurai, India.	Madurai Kamaraj University, Madurai, on 5th February 97.
Conservation Assessment and Management Plan (CAMP) Workshop	Zoo Outreach Organization & CCINSA, Coimbatore, TN.	M. K. University, Madurai, India from 21 to 25 January 2002.
Workshop on rDNA Technology	Central Facility for Biotechnology Teaching and Research (CFBTR), Madurai.	CFBTR, Madurai, from 5th June 2003 to 17th June 2003.
Workshop on Animal Cell Culture	Central Facility for Biotechnology Teaching and Research (CFBTR), Madurai.	CFBTR, Madurai, from 18th June 2003 to 27th June 2003.
Second SERC School in Chronobiology	DST, New Delhi.	Pt. Ravishankar Shukla University, Raipur from 8th Oct. to 19th Oct. 2003.

XV National Symposium on Chronobiology	Chronobiology Society of India.	Pt. Ravishankar Shukla University, Raipur, between 20th and 21st Oct. 2003.
National workshop on recent trends in ethology and behavioural sciences	Ethological Society of India	Dept. of Zoology, Christ College, Irinjalakuda, Kerala
Refresher Course on Animal Behaviour	Indian Academy of Sciences, Bangalore.	M. K. University, Madurai, from 8th Dec. to 21st Dec. 2004.
Seminar on Fish and Degrading Environment	Zoological Association of BSNVPG College, Lucknow.	Department of Zoology, BSNVPG College, Lucknow on 14th January 2006.
Orientation Programme	University Grants Commission, Academic Staff College.	University of Lucknow, Lucknow, from 1st March 2006 to 31st March 2006.
95th Indian Science Congress	The Indian Science Congress Association and Andhra University, Visakhapatnam.	Andhra University, Visakhapatnam between 3rd and 7th January 2008
National Seminar on sustainable horticultural research in India: perspective, priorities and preparedness	B. B. Ambedkar University, Lucknow, Uttar Pradesh	Babasaheb Bhimrao Ambedkar University, Lucknow between 14th and 15th April 2008.
Indo-German Seminar on Future Mobility	Indian Institute of Petroleum, Dehradun	Indian Institute of Petroleum, Dehradun, between 26th and 27th February, 2010
XIV Mid-Year Meeting and Symposium of the Indian Academy of Sciences	Indian Academy of Science, Bangalore	Indian Academy of Science, Bangalore between 3rd and 5th July 2008.
Refresher Course	UGC - Academic Staff College, Kumaun University, Nainital	Kumaun University, Nainital between 23rd September 2009 and 13th October 2009
Response of eco-biological components to the phenomenon of global warming	NSREG 2009	Department of Zoology, Kumaun University, Nainital
Bioacoustics	UGC-NRCBS, Madurai Kamaraj University, Madurai	UGC-NRCBS, Madurai Kamaraj University, Madurai, 14th and 26th March, 2011
Summer Training Programme on Electron Microscope	All India Institute of Medical Science (AIIMS), New Delhi	All India Institute of Medical Science (AIIMS), New Delhi, 16th May and 25th June 2011
Training on Scanning Electron Microscope	M/s JEOL, Tokyo, Japan	M/s JEOL, Tokyo, Japan, 29th Aug and 02nd Sep 2011
Training on GC and HPLC Techniques	TERI, New Delhi	The Energy and Resources Institute, New Delhi
Indo-German workshop on sustainability	IIT, Madras	Indian Institute of Technology, Madras and German Academic Exchange Service, Germany between 8 th and 9 th September 2008

Additional Information (If Any)

Google Scholar

- H-Index:14
- i-Index: 17
- citation:489

Research Gate Score: 19.74