

Curriculum Vitae



Dr. S. Jayakumar

Personal Information

Date of Birth : 09.06.1981
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Educational Qualification starting with Higher Secondary (10+2)

Exam Passed	Name of the University /Board	Year of passing	Division	% of marks obtained
SSLC	Tamil Nadu State Board	1996		40.8
HSC	Tamil Nadu State Board	1999	Vocational	65.1
B.Sc.	Bharathidasan University	2003	Zoology	58.9
M.Sc.	Bharathidasan University	2005	Zoology	74.2
M.Sc.	Bharathiar University (SDE)	2012	Environmental Sciences	64.3
M. Phil.	Bharathidasan University	2006	Zoology	80.2
Ph.D.	Bharathiar University	2014	Environmental Sciences	Highly Commended

Details of NET/SET Exam Cleared

Exam Passed	Name of the University /Board	Year of Passing/Reg. No	Division	% of marks obtained
TNSET (Tamil Nadu State Level Eligibility Test for Assistant Professor)	Mother Theresa University, Kodaikanal	2016/ Reg. No: 2505331	Life Science (Zoology)	Cut off mark: 192 Mark secured: 200

Secondary skills

Exam Passed	Name of the University /Board	Year of passing	Subjects	Division	Percentage of marks obtained
PGDCA	Tamil Nadu Computer Education,	2003	Working knowledge on MS office applications —MS Word, MS Excel, MS Power Point, Photo Editor and Statistical software packages — SPSS versions. Arc-GIS, ENVIS.	Computer Application	80.6

Research Specialization and Title of PhD. Thesis

Title	Organochlorine pesticides, population and reproductive ecology of fish-eating birds in select heronries in Tamil Nadu
Specialization	Ecotoxicology
Research Institute	Saalim Ali Centre for Ornithology and Natural History (SACON), Anaikatty, Coimbatore, Tamil Nadu India
Research Supervisor	Dr. S. Muralidharan, Senior Principal Scientist, Division of Ecotoxicology, SACON

Abstract of Ph.D., thesis

Enormous quantities of manmade chemicals are used in modern agriculture. Despite obvious benefits, their indiscriminate use has resulted in accumulation of residues in feeds and foods causing environmental and ecological impacts. Birds are a visible and an important part of the world and they appear to be the major targets of environmental contaminants because they occupy a wide range of trophic levels in different food chains and are thereby exposed to different concentrations of contaminants through their food. The ill effects of pesticides on wildlife, especially raptors, waterfowl and fish-eating birds have been extensively studied around the world, but in India the information on birds particularly fish-eating birds is very limited. Although, there is information available on the residue levels of pesticides in eggs of fish-eating and insectivorous birds in India, they fail to bring out the exact scenario of pesticide usage in agricultural areas and residue levels in eggs and the consequent impact on breeding outcome. Further, there are no studies which investigated the residue levels in eggs and simultaneously monitored the population of birds over a period of time in India. Survey was conducted to identify the heronries in the state. Local people were also enquired to get details on the nesting locations and breeding history of fish-eating birds. Direct count method was followed to estimate the number of species and individuals. Breeding ecology of select fish-eating birds was studied using focal animal sampling techniques. Agricultural practices, land use pattern, threats and disturbance were also recorded. Samples, namely fishes, dead birds and eggs were collected as per standard operating protocols. Soxhlet extraction method was followed with suitable solvents and cleaned up for estimating organochlorine pesticide residues using Gas Chromatograph equipped with electron capture detector. Field surveys were conducted in Tamil Nadu to collect data on the status of breeding colonies of fish-eating birds. Out of 40 species of birds observed during the surveys, 24 were fish-eating birds, and most of them were recorded in three locations, namely Vedanthangal Birds Sanctuary, Koonthankulam Bird Sanctuary, and Vettangudi Bird Sanctuary. The population of fish-eating birds was the highest during breeding season due to congregation.

Among the birds, Cattle Egret, Glossy Ibis, Black-headed Ibis, Asian Openbill and Painted Stork appeared to be high in numbers in the intensive study sites, while Kingfisher were only a few. Information on breeding locations of 21 species of birds was also gathered. Nesting tree selection, nesting season and breeding success varied among the sites, species and year. Pesticide residues in fishes, (both breeding and non breeding seasons), eggs and tissues of dead birds from the study sites were analyzed. Levels of OC residues, particularly HCH and DDT residues significantly varied among the study sites and components. The residue levels of DDT, HCH, dieldrin, heptachlor epoxide and endosulfan in all the birds studied do not indicate any poisoning. However, HCH, the most predominantly detected contaminant in all the birds can be expected to create harm if the birds are continuously exposed. Similarly, DDT and its metabolites are also capable of creating certain abnormalities, especially reproductive abnormalities.

List of Publications

International Journals

1. **Jayakumar, S.**, Muralidharan S, Dhananjayan V. 2019. Levels of organochlorine pesticide residues in fresh water fishes of three bird sanctuaries in Tamil Nadu, India. *Environmental Science and Pollution Research*. 26 (2) 1983–1993 pp. **ISSN: 1614-7499**. <https://doi.org/10.1007/s11356-018-3770-8>. (**Impact Factor 2.800**).
2. **Jayakumar, S.**, Baskaran, N., Arumugam, R., Sathiskumar, S., Pugazhenth M. 2018. Herbal medicine as a live practice for treating livestock ailments by indigenous people: A case study from the Konar community of Tamil Nadu. *South African Journal of Botany*. Vol. 118. 23-32 pp. **ISSN: 0254-6299**. <https://doi.org/10.1016/j.sajb.2018.06.002> (**Impact Factor 1.442**).
3. **Jayakumar, S.**, Sathiskumar, S., Baskaran, N., Arumugam, R., Vanitha, V. 2017. Ethno-veterinary practices in Southern India for captive Asian elephant ailments. *Journal Ethnopharmacology*. Vol. 200. 182- 204 pp. **ISSN: 0378-8741**. <https://doi.org/10.1016/j.jep.2017.02.039> (**Impact Factor 3. 055**).
4. Duraimurugan, V., Jeevanandham, P., **Jayakumar, S.** and Paramanandham, J. 2017. Study of Avifaunal Diversity In Man-Made Mangroves of Karaikal District, Puducherry, Southern India. *Int. J Recent Sci. Res.* 8(12), 22770-22776. **ISSN: 0976-3031 (Online)**. DOI: <http://dx.doi.org/10.24327/ijrsr.2017.0812.1341>.
5. Thirunaranan, K., **S. Jayakumar**, S. Sivaramam and S. Babu. 2017. Sightings of the Great White Pelican *Pelecanus onocrotalus* (Linn. 1758) (Aves: Pelicaniformes: Pelicanidae) in Pallikaranai Marshlands, Tamil Nadu, India. *Journal of Threatened Taxa* 9 (9): 10729–10732. **ISSN: 0974-7907 (Online)**. <http://doi.org/10.11609/jott.3307.9.9.10729-10732>.
6. Duraimurugan, S., Jeevanandham, P., Paramanandham, J., **Jayakumar, S.** 2017. Assessment of Anthropogenic pressures in Man-made Mangroves of, India. *International Journal of Research in Fisheries and Aquaculture*. Vol. 7 (1). 51-54 pp. **ISSN: 2277-7229**. DOI: <http://dx.doi.org/10.24327/ijrsr.2017.0812.1341>
7. **Jayakumar, S.**, Paramanandham, J., Duraimurugan, V., Sankari, A., Ramya, A., Sathishkumar, S., Durga, A., 2017. Study on Web-site attributes and predatory efficiency of Dark Tetragnathid Spider *Tetragnatha mandibulata* (Walckenaer, 1841) in Point Calimere Wildlife and Bird Sanctuary, Southern India. *International Letter of Natural Sciences*. Vol. 62. 11-19 pp. **ISSN: 2300-9675 (Online)**. <https://doi.org/10.18052/www.scipress.com/ILNS.62.11>

8. Anoop, N.R., Mathews, T.J., Vinayan, P.A., **Jayakumar, S.**, Sujin, N.S., Sabita, C., Anoop Raj, P.N. 2015. Status and conservation of water birds in Panamaram heronry, Kerala and implication for management. Asian Journal of Conservation Biology. Vol. 4 No. 1, pp. 76-80pp. **ISSN: 2278-7666 (Online)** http://ajcb.in/journals/full_papers_july_2015/AJCB-Vol4-No1-Anoop%20%20et%20al.pdf.
9. **Jayakumar, S.**, Muralidharan, S., Babu, S. 2014. A hitherto unrecorded sighting of Common Pochard *Aythya ferina* (Linnaeus, 1758) in Vedanthangal Bird Sanctuary, Tamil Nadu. Journal of Threatened Taxa. 6(11): 6485–6487. **ISSN: 0974-7907 (Online)**. <http://dx.doi.org/10.11609/JoTT.o3662.6485-7>.
10. Krishnappa, K., Lakshmanan, S., Elumalai, K., **Jayakumar, S.** 2011. Insecticidal action of certain essential oils against *Callosobruchus maculatus* (Coleoptera: Bruchidae). International Journal of Current Agricultural Sciences. Vol. 1 (1): 10-14. **ISSN: 2277-1026**. <http://www.ijcas.bret.ac.in>
11. Krishnappa, K., Lakshmanan, S., Elumalai, K., **Jayakumar, S.** 2011. Laboratory evaluation of four medicinal plant essential oils as a protestant against the Cowpea Weevil *Callosobruchus maculatus* (Coleoptera: Bruchidae). International Journal of Current Agricultural Sciences. Vol. 1 (1): 05-09. **ISSN: 2277-1026**. <http://www.ijcas.bret.ac.in>
12. **Jayakumar, S.**, Sankari, A. 2010. Spider population and their predatory potency in different rice establishment techniques in Aduthurai, Tamil Nadu. Journal of Bio-pesticides. Vol. 3 (1): 20-27. **ISSN: 0976-0341X**. <http://www.jbiopest.com/users/LW8/efi...>

National Journals

13. Bapureddy, G., Santhosh, K., **Jayakumar, S.**, Kumara, H.N. 2015. Estimate of primate density in the evergreen forests of the central Western Ghats, India. Current Sciences. Vol. 108 (1): 118-123 pp. **ISSN: 0011-3891. (Impact Factor 0.926)**.
14. **Jayakumar, S.**, Muralidharan, S. 2015. Breeding of the Indian Courser *Cursorius coromandelicus* in Koonthankulam Bird Sanctuary, Thirunelveli, Tamil Nadu. Zoo's Print. Vol. XXX (1): 14-15 pp. **ISSN: 0973-2543 (Online)**.
15. **Jayakumar, S.**, Babu, S., Mahendiran, M. 2014. Stray dog *Canis familiaris* preying on Threatened Birds in Vedanthangal Bird Sanctuary, Tamil Nadu. Zoo's Print. Vol. XXIX (1). 32 p. **ISSN: 0973-2543 (Online)**.
16. **Jayakumar, S.**, Asokan, S., Vasudevan, V. 2013. Abundance, Diversity and Richness of Birds in Different Days after Transplantation of Paddy Cultivated in Cauvery Deltaic Region in Tamil Nadu. Mayur. Vol. 9. 67-71.
17. Dhananjayan, V., **Jayakumar, S.**, Muralidharan, S. 2011. Assessment of Exposure and Effect of Organochlorine Pesticide on Birds in India: Research and Review: A journal of Toxicology. Vol. (3); 17-23. **ISSN: 2231-3834**.
18. Dhananjayan, V., Seshadri, V., **Jayakumar, S.**, Babu, S., Bhavani, C., Anuradha, R., Saleem, S., Bhama, K.G. 2010. Removal of COD and

Nitrophenol from the waste water by benzene extraction and activated carbon method. Vol. 13 (6): 17-20. ISSN: 09721541.

Proceedings

International

1. **Jayakumar, S.**, Muralidharan, S. 2018. Abundance and nesting status of Avifauna in Thiruppudaimarathur Conservation Reserve, Tirunelveli District Tamil Nadu. Proceeding in International Conference on Current Challenges in Conservation of Biodiversity (In4CB-2017). A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai, (Nagarajan, R., Paramanandham, J. and Jayakumar, S. (Eds.), 117-122. ISBN 978-93-5346-332-8.
2. **Jayakumar, S.**, Babu, S., Nagarajan, R. 2013. Nest and nest-site characteristics of Yellow-wattled Lapwing (*Vanellus malabaricus*) in Southern Tamil Nadu. Proceeding in Second International Conference on Indian Ornithology. Sálím Ali Centre for Ornithology and Natural History, Coimbatore.187-188. ISBN 81-902136-0-4.
3. Reegan, P., **Jayakumar, S.**, Asokan, S., Evangeline, D. 2013. Exploitation of wild birds by Narikuravar tribal: a case study from Palavarayanpet, Proceeding in Second International Conference on Indian Ornithology. Sálím Ali Centre for Ornithology and Natural History, Coimbatore. 150-152. ISBN 81-902136-0-4.
4. **Jayakumar, S.**, Muralidharan, S., Dhananjayan, V. 2012. Organochlorine pesticide contamination in the food of fish-eating birds: A case study from Koonthankulam Bird Sanctuary, Southern India. Proceeding published in the International Conference on Science and Technology for Clean and Green Environment held at Annamalai University. Chidambaram. 334 & 335. ISBN: 978-93-80174-05-1.
5. Muralidharan, S., Dhananjayan, V., **Jayakumar, S.** 2012. Pesticides Contaminants in Birds: The Major Bugbear in India. Proceeding published in the International Conference on Science and Technology for Clean and Green Environment held at Annamalai University. Chidambaram. 5 & 6. ISBN: 978-93-80174-05-1.
6. **Jayakumar, S.**, Muralidharan, S., Dhananjayan, V. 2011. Impact of pesticides on fish-eating birds in Tamil Nadu. Status of Indian birds and their Conservation. Proceeding published in the International Conference on Indian Ornithology. Sálím Ali Centre for Ornithology and Natural History, Coimbatore. 45 & 46. ISBN: 81-902136-0-3.

National

7. **Jayakumar, S.**, Muralidharan, S. 2016. Diversity and richness of water birds in select wetlands of Tamil Nadu. *In: Perspective on Biodiversity of India*, Bijukumar, A., Pradeep, N.S., Ajit Kumar, K.G. and Rajendran P.G. (Eds). Centre for Innovation in Science and Social Action, Thiruvananthapuram, India. Vol. II, Part 1, Pp. 414–419. ISBN: 978-81-929896-2-4.

8. Sankari, A., Thiyagesan, K., **Jayakumar, S.**, Baskaran, N. 2016. Guild structure of spider (Araneae) in vegetable field. *In: Perspective on Biodiversity of India*, Bijukumar, A., Pradeep, N.S., Ajit Kumar, K.G. and Rajendran P.G. (Eds). Centre for Innovation in Science and Social Action, Thiruvananthapuram, India. Vol. II, Part 1, Pp. 414–419. **ISBN: 978-81-929896-2-4.**
9. **Jayakumar, S.**, Muralidharan, S. 2014. Diversity of colonial nesting birds in different heronries of Tamil Nadu In: Pavadai, P. and Tangavelou, A. C. (Eds.), *Proc. Modern Trends Biodiversity Conservation & its Sustainable Use at Periyar Govt. Arts College, Cudalore.* 7-18pp. **ISBN: 978-81-90833-442-4.**
10. Sankari, A., Thiyagesan, K., Baskaran, N., **Jayakumar, S.** 2014. Influence of plant architecture on the spider species density and diversity in garden In: Pavadai, P. and Tangavelou, A. C. (Eds.), *Proc. Modern Trends Biodiversity Conservation & its Sustainable Use at Periyar Govt. Arts College, Cudalore* 73-87pp. **ISBN: 978-81-90833-442-4.**
11. Evangeline, D., **Jayakumar, S.** 2014. Diversity of Amphibian fauna in an Agro-ecosystem of Cauvery Deltaic Region In: Pavadai, P. and Tangavelou, A. C. (Eds.), *Proc. Modern Trends Biodiversity Conservation & its Sustainable Use at Periyar Govt. Arts College, Cudalore.* 210-216 pp. **ISBN: 978-81-90833-42-4.**

Books /book chapters

1. **Jayakumar, S.**, Shunmuganatham, A. 2016. Bird Sanctuaries of Tamil Nadu (Thamizhagathi Paravaigal Kapidangal). Ethir Veliyedu. www.ethirveliyedu.in 221P. **ISSBN: 078-93-87333-16-1.**
2. Sankari, A., Sharmila, G., Duraimurugan, V., **Jayakumar, S.** 2015. A Practical Manual for Allied Zoology. A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai. 100 p.
3. **Jayakumar, S.** 2013. Quail and Francoline in Tamil Literatures (Patthupaatil Kurumpoozhum Sivalum). *Pathupaattu Aaivukkovai*. International Conference on Pathupaattu. 178-181. **ISBN No. 978-93-81568-12-5.**
4. **Jayakumar, S.** 2013. Owls in Tamil Literatures (Patthupaatil Anthaigal). *Pathupaattu Aaivukkovai*. International Conference on AAR. 83-87. **ISBN No. 978-81-922802-7-1.**
5. Muralidharan, S., **Jayakumar, S.**, Dhananjayan, V. 2012. Status of pesticide contamination in birds in India with special reference to Threatened species. *Threatened Birds in India: Their Conservation and requirement*. (Ed. AR Rahmani) BNHS, Mumbai. Oxford University Press. 73-91 pp. **ISBN: 0198085974.**
6. **Jayakumar, S.** 2012. Koel and Pegions in Tamil Literatures (Patthupaatil Kuilum Puravum). *Pathupaattu Aaivukkovai*. International Conference on Pathupaattu. 51-53 P. **ISBN: 978-81-922802-4-0.**

7. **Jayakumar, S.** 2012. Kites in Tamil Literatures (Patthupaatil Parunthu). *Pathupaattu Aaivukkovai*. International Conference on AAR .424-427 P. **ISBN: 978-81-910216-5-3.**
8. **Jayakumar, S.** 2011. Water Birds in Tamil Literature (Patthupaatil Neerparavaigal). Muthamizh Avayam: Manmuga Nokill Tamizh. 486-489. **ISBN: 978-93-81006-04-7.**
9. **Jayakumar, S.** 2010. Water birds in Tamil Literatures (Pathittruppathil Naraigal). *Pathittruppathu Aaivukkovai*. International Conference on Pathittrru Pathu. 739-742. **ISBN: 978-81-910216-15.**

Papers in Regional Language (Popular Article)

1. **Jayakumar, S.** 2016. Ecology and Behaviour of Spot-billed Pelican (Kuzhaikada: vazhviyalum seyalbadugalum). *Kaadu*. 22-28 pp. **(ISSN No: 2395-5953).**
2. **Jayakumar, S.** 2016. Ecology and Behaviour of Painted Stork (Manjal mooku naaraigal: vazhviyalum seyalbadugalum). *Kaadu*. 58-61 pp. **(ISSN No: 2395-5953).**
3. **Jayakumar, S.** 2014. Pesticides are Birdicides (Poochikolligal: Paravaigalin our Kolligal). *Kaadu*. 48-52 pp. **(ISSN No: 2395-5953).**
4. Vanitha, V., Baskaran, N., **Jayakumar, S.**, Shunmuganatham, A. 2013. Physiology, Sociology and Management of Elephants (Yanaigalin Vazhviai matrum Valarpiyal). Ilaingar Muzhakam. May 2013. 36-39 P.
5. **Jayakumar, S.** 2013. An Book Review –Earthworm and Vermiculture. The Hindu and India Today. 10th May 2013.
6. Shunmuganatham, A., **Jayakumar, S.** 2013. Snake Bites and First Aids-Part III (Paambukadium Muthaluthavium). Ilaingar Muzhakam. March 2013. 30-31 P.
7. Shunmuganatham, A., **Jayakumar, S.**, 2013. Snake Bites and First Aids-Part II (Paambukadium Muthaluthavium). Ilaingar Muzhakam. Part II. January 2013. 16-17 P.
8. Shunmuganatham, A., **Jayakumar, S.** 2012. Snake Bites and First Aids-Part I (Paambukadium Muthaluthavium). Ilaingar Muzhakam. Part I. December 2012. 12-14 P.
9. **Jayakumar, S.**, 2012. Rains at Desert: An Book Review -Tamil vs Plants (Varanda Nillathil Pozhintha Vaanmazhai). Puthagam Pesuthu. Bharathi Publishers, Chennai. Vol.10 (7). 37 p.
10. **Jayakumar, S.**, Shunmuganatham, A. 2011. Bird Sanctuaries in Tamil Nadu. Published in Thadagam Website. February 2011.
11. **Jayakumar, S.**, Shunmuganatham, A. 2011. Forests in Indian (Inthiyavil Kaadugal. Published in Thadagam Website. December 2011.
12. **Jayakumar, S.**, Shunmuganatham, A. 2011. Wildlife Week -2011 (Kaatuir Vaaram (International Year of Forest). Published in Thadagam Website. November 2011.

13. **Jayakumar, S.**, Shunmuganatham, A. 2011. Kite Flying Festival: A Major threats to Birds (Pattam Vidum Thituvizhavum Parithavikum Paravaigallum). Ilaingar Muzhakam. September 2011. 14-16.
14. **Jayakumar, S.** 2011. An Rewiew of Salim Ali (Paravai iyal Aringer Salim Ali Vaazhvum, Panium. Ilaingar Muzhakam). November 2011. 30-31.
15. **Jayakumar, S.** 2011. House Sparrow's Life and Loss (Chittukkuruvigal Vaazhvum Azhivum). Ilaingar Muzhakam. April 2011. 24-25.
16. **Jayakumar, S.** 2009. Spiders: Edged of Extintion (Azhivin Villimbil Sillanthi Inagal). Tamilosai.10th May 2009.

Research Reports

1. Muralidharan, S., Nambirajan K., Ganesan K., Kirubanandhini, V., **Jayakumar, S.**, Saravana Perumal, N., 2017. Monitoring and Surveillance of Environmental Contamination in Birds in India. **Final Technical Report** submitted to MOEF & CC, Govt. of India. June 2017. pp 202.
2. Muralidharan, S., Sivasubramanian, C., **Jayakumar, S.** Dhananjayan, V. 2014. Impact of agricultural pesticides on population status and breeding success of select species of fish-eating birds in Tamil Nadu. **Final Report** submitted to MOEF & CC Govt. of India. 2014. pp 132.
3. Muralidharan, S., Sivasubramanian, C., Dhananjayan, V., **Jayakumar, S.** 2008. Impact of agricultural pesticides on population status and breeding success of select species of fish-eating birds in Tamil Nadu. **Annual Progress Report I** submitted to MOEF, Govt. of India. January 2008. pp32.
4. Muralidharan, S., Sivasubramanian, C., Dhananjayan, V., **Jayakumar, S.** 2008. Impact of agricultural pesticides on population status and breeding success of select species of fish-eating birds in Tamil Nadu. **Annual Progress Report II** submitted to MOEF, Govt. of India. December 2008. pp37.

Abstracts in Int./National Conference/Seminar

International

1. **Jayakumar, S.**, Muralidharan, S. 2017. Thirupudaimarathur Conservation Reserve: Balancing the need for Birds and Bats. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
2. Honestraj, N., **Jayakumar, S.**, Sathiskumar, S., Pramanandham, J., Sharmila G. 2017. Pesticide knowledge and practice among agricultural workers in Cauvery Deltaic Region in Tamil Nadu, India. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
3. Rubul Tanti, Sharmila, G., **Jayakumar, S.** 2017. Occurrence of Inland fishes of Digboi Region, Assam India. International Conference on Current

Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**

4. Anbuselvi, K., Ajithkumari, S., Paramanandham, J., **Jayakumar, S.**, Duraimurugan, V., Karthikeyan, M. 2017. An analytical study on effect of per capita Household solid waste generation in Mannampandal, Mayiladurthirai, Nagapattinam District, Tamil Nadu. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
5. Paramanandham, J., Ramesh Kumar, S., Thirumalainathan, P., Azeez, P.A., Bhupathy, S., Changlemba, Venkgota Nakro, **Jayakumar, S.**, Baskaran, N., 2017. Hepeto-faunal diversity of Eastern Districts of Nagaland, India. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
6. Duraimurugan, V., Kalaiselvan, K., Geevanandham, P., **Jayakumar, S.**, Paramanandham, J. 2017. Avifaunal diversity in the water bodies of Kottuchery Medu, Karikal District, Puducherry Union Territory, Southern India. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
7. Aswin, A.P., Baskaran, N., **Jayakumar, S.**, Arsha, C.P., Aswin, P.S. 2017. Roost abundance and Roost-site characteristics of Indian Flying Fox *Pteropus giganteus* in Mananthavadi, Wayanad, Kerala. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
8. Abdul Rahman, A., Naveen, K.K.H., **Jayakumar, S.**, Baskaran, N. 2017. Education and Mythology influence the perception of people towards the conservation of Snakes in Tamil Nadu. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
9. Duraimurugan, V., Durga, A., Geevanandham, P., **Jayakumar, S.**, Paramanandham, J. 2017. Occurrence of marine mollusks in Chinnagudi coastal regions, Nagapattinam District, Tamil Nadu. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
10. Vigneshkumar, M., Aswin, C.P., **Jayakumar, S.**, Baskaran, N., Arumugam, R. 2017. Abundance and Diversity of Butterflies in A.V.C. College Campus, Tamil Nadu. International Conference on Current Challenges in Conservation

of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**

11. Herlin Rosmi, M., Dhanash, P., Baskaran, N., **Jayakumar, S.**, Sankari, A. 2017. Web density and Web-site attributes of funnel-web spider, *Hippasa greenalliae* in various habitats of Mannampandal, Sothern India. International Conference on Current Challenges in Conservation of Biodiversity held at A.V.C. College (Autonomous), Mannampandal, India. 16th to 18th February 2017. **ISBN No: 938444623-8.**
12. **Jayakumar, S.**, Paramanandham, J., Duraimurugan, V., Sankari, A., Ramya A. 2016. Web-site attributes and predatory efficiency of Dark Tetragnathid Spider *Tetragnatha manidbulata* (Walckenaer 1841) in Point Calimere Wildlife Sanctuary, Sothern India. International Conference on Conservation of Natural Resources held at Nehru Memorial College, Tiruchirapalli, India. 17 September 2016.
13. Sankari, A., Thiyagesan, K., **Jayakumar, S.**, Baskaran, N., Pugazhendhi, S. 2016. Effect of pesticide application in paddy field on spider population and its Implications for Management of Barren Land in Agro-ecosystem. International Conference on Conservation of Natural Resources held at Nehru Memorial College, Tiruchirapalli, India. 17 September 2016.
14. Paramanandham, J., Ronal Ross, P., **Jayakumar, S.**, Duraimurugan, V. 2016. Assemblage and Classification of Microbes in Coir Pith collected from Cuddalore, Tamil Nadu. International Conference on Conservation of Natural Resources held at Nehru Memorial College, Tiruchirapalli, India. 17 September 2016.
15. Duraimurugan, V., Jeevanandham, P., Paramanandham, J., **Jayakumar, S.**, 2016. Surveillance of Anthropogenic Pressure in Man-made Mangroves of Karaikal District, Puducherry, India. International Conference on Conservation of Natural Resources held at Nehru Memorial College, Tiruchirapalli, India. 17 September 2016.
16. **Jayakumar, S.**, Muralidharan, S., Dhananjayan, V. 2012. Organochlorine pesticide contamination in the food of fish-eating birds: A case study from Koonthankulam Bird Sanctuary, Southern India. International Conference on Science and Technology for Clean and Green Environment held at Annamalai University, Chidambaram, India. 27 & 28 July 2012.
17. **Jayakumar, S.**, Muralidharan, S., Dhananjayan V. 2011. Impact of pesticides on fish-eating birds in Tamil Nadu. International Conference on Indian Ornithology held at Sálím Ali Centre for Ornithology and Natural History, Coimbatore, India. 19-23 November 2011.
18. **Jayakumar, S.**, Shankari, A. 2009. Population of Spiders and their predatory potency in different rice establishment techniques. Journal of Bio-pesticides. International Conference on Bio-pesticides held at St. Xavier College, Thirunelveli, India. 26-28 November 2009.

19. Dhananjayan, V., Muralidharan, S., **Jayakumar, S.** 2009. Levels of blood plasma butyrylcholinesterase activity among select species of birds in Ahmedabad, Gujarat, India. International Conference on Environment, Occupational and Life style Concerns- Tran disciplinary approach held at NIOH, Bangalore, India. 16-19 September 2009.

National

1. **Jayakumar, S.**, Muralidharan, S. 2019. Distribution, Status and Conservation of Black-Headed Ibis *Threskiornis melanocephalus* (Latham, 1790) in Tamil Nadu. One Day State Level Seminar on Recent trends in Advanced Bioscience (RTABS-2019) held at Poompuhar College (Autonomous), Melaiyur. 9th January 2019.
2. Paramanandham, J., Kabilan, K., Krishnappa, K., **Jayakumar, S.**, Duraimurugan, V., Sathishkumar S. 2019. Diversity and Abundance of Butterfly fauna in Kalaimagal College Campus, Sembonarkoil, Tranqubar Taluk, Tamil Nadu. One Day State Level Seminar on Recent trends in Advanced Bioscience (RTABS-2019) held at Poompuhar College (Autonomous), Melaiyur. 9th January 2019.
3. Krishnappa, K., Pandiyan, J., Elumalai, K., Gokulakrinnan, J., **Jayakumar, S.**, Paramanandham, J., Chnadru, G., Duraimurugan, V. 2019. Mellisa Officinalis-Prone Compounds and Novel Pesticides: Effectiveness against Medical Pest and Agricultural Pest. One Day State Level Seminar on Recent trends in Advanced Bioscience (RTABS-2019) held at Poompuhar College (Autonomous), Melaiyur. 9th January 2019.
4. Nazneen Sultan, Rathin Barman, Panjit Basumatry, Samshul Ali, **Jayakumar, S.**, Pandiyan, J. 2019. Assessment of Activity Budget and Time Activity patterns of *Rhinoceros unicornis* (Linnaeus, 1758) in centre for wildlife rehabilitation and conservation (CWRC), Kaziranga, Assam. One Day State Level Seminar on Recent trends in Advanced Bioscience (RTABS-2019) held at Poompuhar College (Autonomous), Melaiyur. 9th January 2019.
5. **Jayakumar, S.**, Ramya, A., Pramanandham, J., Krishnappa, K. and Duraimurugan V. 2018. Web Architecture and Predatory Interaction of Social Spider (*Stegodyphus sarasinorum* Karsch, 1892) in east coastal region of Tamil Nadu. Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11th January 2018.
6. Pramanandham, J., Ronald Ross, P., **Jayakumar, S.**, Duraimurugan, V. and Krishnappa, K. 2018. Study on Performance evaluation of Bhendi *Abelmoschus esculentus* in coir pith after subjected to different treatments. Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11th January 2018.
7. Krishnappa, K., Elumalai, K., **Jayakumar, S.**, Paramanandham, J., Duraimurugan, V., Pandiyan, J. 2018. Botanical extracts of *Celosia argentea* and *Anthocephalus cadamba* against agricultural polyphagous field

- pest *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). Zoology Congress held at P.G. and Research Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Thirunelveli on 11th January 2018.
8. Rajeshkumar, **Jayakumar, S.** 2017. Web architecture and predatory efficiency of Cellar Spider *Pholcus phalangioides* (Fuesslin, 1775) in three house types of Cauvery Delta Zone, Tamil Nadu. National symposium cum workshop on Science and Technology for sustainable Development, Biodiversity & Ecosystems in India. 3rd -5th December 2016.
 9. Sathiskumar, S., **Jayakumar, S.** 2016. Ethno-veterinary practices on captive Elephant ailments in Tamil Nadu, India. National Conference on "Student Conference on the Current Perspective of Biosciences" held at P.G. and Research Department of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 20th February 2016.
 10. Honestraj, N., Sathishkumar, S., **Jayakumar, S.**, Vimal, N., Sankari, A. 2016. Diversity and abundance of spider fauna in selected locomotives in and around Mayiladuthurai, Tamil Nadu. National Conference on "Student Conference on the Current Perspective of Biosciences" held at P.G. and Research Department of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 20th February 2016.
 11. Ramya, A., **Jayakumar, S.** 2016. Web and web-site characteristics of Social Spider *Stegodyphus sarasinorum* in Cauvery Deltaic regions of Tamil Nadu. National Conference on "Student Conference on the Current Perspective of Biosciences" held at P.G. and Research Department of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 20th February 2016.
 12. Paramanandham, J., Durgadevi, T., Ramya, N., **Jayakumar, S.** 2015. Effect of Atrazine and the influence of the coir pith extract in liver tissue of fish *Labeo rohita* (Ham.) National Conference on "Biosafty and Health Security" held at PG and Research Department of Zoology, Periyar Govt. Arts College, Cuddalore between 23rd and 24th July 2015.
 13. Duraimurugan, V., Vijayalakshmi, M., Paramanandham, J., **Jayakumar, S.** 2015. Survey of ground water sources in coastal panchayat of Perambur, Tranquebar taluk, Nagai District. National Conference on "Biosafty and Health Security" held at PG and Research Department of Zoology, Periyar Govt. Arts College, Cuddalore between 23rd and 24th July 2015.
 14. **Jayakumar, S.**, Evangeline, D., Baskaran, N., Asokan, S. 2015. Traditional Trading and Trapping of Wild fauna by Narikorva Tribes in Tamil Nadu. National Seminar on Recent Trends & Future Advances in Life Sciences held at Department of Life sciences, Central University of Tamil Nadu between 26th and 27th February 2015. **ISBN No 978-93-84869-33-5.**
 15. Sathiskumar, S., **Jayakumar, S.**, Vimal, N. 2015. Population of Millipedes in Various Habitats of AVC College Campus, Mayiladuthurai, Tamil Nadu. National Seminar on Recent Trends & Future Advances in Life Sciences held at Department of Life sciences, Central University of Tamil Nadu between 26th and 27th February 2015. **ISBN No 978-93-84869-33-5.**

16. Vimal, N., **Jayakumar, S.**, Sathiskumar, S. 2015. An assessment Road Kill of Animals by Two Public Roads located at Cauvery Deltaic Region in Tamil Nadu. National Seminar on Recent Trends & Future Advances in Life Sciences held at Department of Life sciences, Central University of Tamil Nadu between 26th and 27th February 2015. **ISBN No 978-93-84869-33-5.**
17. Dhivya, N., **Jayakumar, S.**, Shobiya, G. 2015. Ethno-medicinal Practices and Traditional Healing System of Narikorva Tribes: An Anthropological study. National Seminar on Recent Trends & Future Advances in Life Sciences held at Department of Life sciences, Central University of Tamil Nadu between 26th and 27th February 2015. **ISBN No 978-93-84869-33-5.**
18. Pugazhenthii, N., **Jayakumar, S.**, Vishnu Prasath V. 2015. Ethno-veterinary Practices among Live Stock Producers of Cauvery Deltaic regions of Tamil Nadu. National Seminar on Recent Trends & Future Advances in Life Sciences held at Department of Life sciences, Central University of Tamil Nadu between 26th and 27th February 2015. **ISBN No 978-93-84869-33-5.**
19. Muralidharan, S., **Jayakumar, S.** 2015. Fish-eating birds: Indicators of contamination status in select wetlands in Tamil Nadu. Consultative Workshop on Restoring Wetlands of Tamil Nadu. Organized by Tamil Nadu Forest Department between 2 and 3 February 2015.
20. **Jayakumar, S.**, Muralidharan, S. 2014. Diversity and richness of water birds in select wetland in Tamil Nadu. 3rd Indian Biodiversity Congress held at SRM University between 18 and 20th December 2014.
21. **Jayakumar, S.**, Muralidharan, S. 2014. Diversity of colonial nesting birds in different heronries of Tamil Nadu. National seminar on Modern Trends in Biodiversity Conservation & its Sustainable Use held at Periyar Arts and Science College, Cuddalore on 7 and 18th July, 2014.
22. **Jayakumar, S.**, Evangeline, D. 2014. Diversity of Amphibian fauna in an Agro-ecosystem of Cauvery Deltaic Region. National seminar on Modern Trends in Biodiversity Conservation & its Sustainable Use held at Periyar Arts and Science College, Cuddalore on 7 and 18th July, 2014.
23. Sankari, A., Thiyagesan, K., Baskaran, N., **Jayakumar, S.** 2014. Influence of Plant Characteristics on Spider density and diversity in Garden. In: National Seminar Recent Trends in Biodiversity Conservation and Sustainable Use. Conducted by Periyar Arts College Cuddalore on 17–18th July 2014.
24. **Jayakumar, S.**, Vasudevan, V. 2014. Avifaunal diversity in Nagapattinam district, East coast of southern India. National Conference on Research Challenges in Modern Biological Sciences held at Department of Zoology, Chikkaiah Naiker College. 21 & 22 February 2014.
25. **Jayakumar, S.**, Muralidharan, S., Navamani, P., Dhananjayan, V. 2014. Organochlorine pesticide residues in sediments of select Bird Sanctuaries: Implication for monitoring. National Seminar on Emerging Trends in Chemistry held at Department of Chemistry, A.V.C. College. 13 & 14 March 2014.
26. **Jayakumar, S.**, Evangeline, D. 2014. Massacre of Amphibians by pesticides: A Review. National Seminar on Emerging Trends in Chemistry held at Department of Chemistry, A.V.C. College. 13 & 14 March 2014.

27. **Jayakumar, S.**, Sankari, A., Thiyagesan, K., Baskaran, N. 2012. Farming Practices in Paddy Field: A Major Threat to Spider Diversity. National Symposium cum Workshop on Spiders with reference to Agroecosystem held at Department of Zoology, SGB Amaravati University, Amaravati. 01-04 December 2012.
28. Sankari, A., **Jayakumar, S.**, Thiyagesan, K., Baskaran, N. 2012. Impact of Agricultural Practices on Spider Diversity in the Brinjal (*Solanum melangena*) Field Southern India. National Symposium cum Workshop on Spiders with reference to Agroecosystem held at Department of Zoology, SGB Amaravati University, Amaravati. 01-04 December 2012.
29. **Jayakumar, S.**, Balachandar, S. 2012. Bio-methanation of Vegetable Market Waste: An alternative approach to Mineral Conservation. National Seminar on Conservation of Natural Resources and held at A.V.C. College, Mannampandal, and Mayiladuthurai. 16 & 17 March 2012.
30. Anoop, N.R., **Jayakumar, S.**, Mathews, T.J. 2012. Status distribution and Conservation of water birds in Panamaram Heronry, Kerala. National Seminar on Conservation of Natural Resources and held at A.V.C. College, Mannampandal, and Mayiladuthurai. 16 & 17 March 2012.
31. Rajkumar, K.P., **Jayakumar, S.**, Sreejith, S.N., Sandeep Das, Bijoy, C., Gnanakumar, M. 2012. Birds of Chittur Government College, Palakkad, Kerala. National Seminar on Conservation of Natural Resources and held at A.V.C. College, Mannampandal, and Mayiladuthurai. 16 & 17 March 2012.
32. Anoop Raj, P.N., Anoop, N.R., Rajkumar, K.P., Vishnu Vijayan, Krishnakumar, K., **Jayakumar, S.** 2012. A preliminary report of faunal mortality on road kills due to vehicular movements on Mayiladuthurai-Karaikal road, Tamil Nadu. National Seminar on Conservation of Natural Resources and held at A.V.C. College, Mannampandal, and Mayiladuthurai. 16 & 17 March 2012.
33. **Jayakumar, S.**, Muralidharan, S., Dhananjayan, V. 2011. Status and Distribution of Heronries in Tamil Nadu. National Seminar on Emerging Trends in Conservation Science held at A.V.C. College, Mannampandal, and Mayiladuthurai. 23 & 24 March 2010.
34. Saravana Perumal, N., Muralidharan, S., Murali Manohar, B., Vijayabharathi V., **Jayakumar, S.** 2011. An incidence of disease outbreak at Nalabana Bird Sanctuary, Chilika Lake, Orissa. National Seminar on Emerging Trends in Conservation Science held at A.V.C. College, Mannampandal, and Mayiladuthurai. 23 & 24 March 2010.
35. **Jayakumar, S.**, Muralidharan, S., Dhananjayan, V. 2010. Population and breeding ecology of select species of birds in Thiruppudaimaruthur Heronry Tamil Nadu. National Seminar on Tropical Ecosystems: Structure, Function and Services held at Institute of Forest Genetic and Tree Breeding, Coimbatore, Coimbatore. 28 & 29 December 2010.
36. Muralidharan, S., **Jayakumar, S.**, Deepalakshmi, K. 2010. Heavy metal contamination in fishes from select Bird Sanctuaries in Tamil Nadu. National seminar on Tropical Ecosystems: Structure, Function and Services held at

Institute of Forest Genetic and Tree Breeding, Coimbatore, Coimbatore. 28 & 29 December 2010.

37. Sankari, A., Thiagesan, K., **Jayakumar, S.** 2006. Population of Spiders and their Predatory Potency in rice Ecosystem. In the UGC Sponsored National level Seminar on Emerging Trends in Life Sciences held at Department of Zoology, Bishop Heber College, Tiruchirappalli, 24-25th August 2006.
38. Balachandar, S., Selvaganesh, P., **Jayakumar S.** 2005. Diversity of fauna and flora in Mud Crab *Scylla tranquebarica*. UGC Sponsored Regional Symposium on Environmental Hazards and the way to clean Environment. Organized by the Department of Zoology, D.G.G.A College for Women Mayiladuthurai, 27-29th September 2007.

Papers under Review

1. Organochlorine pesticide residues in tissue of fish-eating birds in select heronries of Tamil Nadu submitted to Science of the Total Environment (**Impact factor 4.90**).
2. Ethno-botanical remedies used by Narikurva tribes in Tamil Nadu submitted to the Journal Ethnopharmacology (**Impact factor 3. 055**).
3. Education influences the behavior of pesticide use: A case study among the rice farmers of Cauvery Deltaic Zone, Tamil Nadu submitted to Environmental Science and Pollution Research (**Impact factor 2. 800**).

Key contribution

- Nagarajan, R., Thiayagesan, K., **Jayakumar S.** 2016. Proposed to declare **Pichavaram Mangroves** as one of the Important Bird and Biodiversity Area in India: Priority Sites for Conservation (Revised and updated), (Eds. Rahmani, A.R., Islam, M.Z. and Kasambe, R.M 2016). Bombay Natural History Society, Indian Bird Conservation Network, Royal Society for the Protection of Birds and BirdLife International (U.K.). Pp. 1992 + xii (1761-1763).

Teaching experience (in yrs): 7 Years

Employment details

Name of the Employer/ Organization	Job nature	Full Address of Employer/ Organization	Period From – To	Nature of duties/ experience
Sri Gurugnana Sambandar Mission Sri Muthaiah Matriculation School	Teacher	Vaitheeswarankoil Sirkali Taluk Nagapattinam District Tamil Nadu	June 2006 to April 2007	Teaching of theory and practical to school students and valuation
A.V.C. College (Autonomous), Mannampandal	Asst. Professor (SF)	A.V.C. College (Autonomous), Mannampandal	19.09.2011 to 05-09-2017	Teaching of theory and practical aspects to UG and PG students, valuation and invigilation
A.V.C. College (Autonomous), Mannampandal	Asst. Professor (Aided)	A.V.C. College (Autonomous), Mannampandal	06.09.2017 to till date	Teaching of theory and practical aspects to UG and PG students, valuation and invigilation

Research Experience**1. Junior Research Fellow (JRF)**

March 2009 to December 2010. *Junior Research Fellow* in the project titled “Impact of Agricultural Pesticides on Population status and breeding Success of select species of Fish-eating birds Tamil Nadu” funded by Ministry of Environment and Forest, Government of India at Ecotoxicology Division, Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore. Fellowship received Rs. 12000/-pm (+ 15%HRA).

2. Senior Research Fellow (SRF)

August 2010 to August 2011. *Senior Research Fellow* in the project titled “Monitoring and Surveillance of Environmental Contaminants in birds India” funded by Ministry of Environment and Forest, Government of India at Ecotoxicology Division, Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore. Fellowship received Rs. 14000/-pm (+ 15%HRA).

3. Technical Assistant (TA)

April 2007 to February 2009. *Technical Assistant* in the project titled “Impact of Agricultural Pesticides on Population status and breeding Success of select species of Fish-eating birds Tamil Nadu” funded by Ministry of Environment and Forest, Government of India at Ecotoxicology Division, Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore. Fellowship received Rs. 4000/-pm (consolidated).

4. Acquired knowledge on analysis of several organic compounds in different biological and non-biological matrix.
5. Acquired knowledge in wetland bird ecology.
6. Acquired knowledge in spider ecology.
7. Acquired skills in wildlife photography.
8. Acquired insights in Tamil literature research.

Dissertation Works Done

1. M.Phil. Dissertation. 2006. Population of Spiders and their Predatory Potency in different Rice Establishment Techniques.
2. M.Sc. Dissertation. 2005. Bio-methanation of Vegetable Market Wastes in High Solid Digesters.
3. PGDCA. Dissertation.2003. Medical Management System.
4. B.Sc. Dissertation. 2002. Survey of Amphibian fauna at Mudikandanallur Village, Mayiladuthurai Taluk, Nagai District, Tamil Nadu.

M. Sc., Projects Guided/ongoing

1. Alby J. Mattathil. 2019. Nest-site selection, breeding behavior and conservation perceptions of Painted Stork (*Mycteria leucocephala* Pennant, 1769) Koonthankulam Bird Sanctuary, Tamil Nadu. *M.Sc. Dissertation* to be submitted to Bharathidasan University
2. Rajesh Kumar. 2019. Determinants of roosting and breeding site, abundance and conservation perceptions of Lesser Adjutant in Northern Bihar. *M.Sc. Dissertation* to be submitted to Bharathidasan University
3. Nazneen Sultan. 2019. Diet Composition, Heavy Metal Contamination and conservation perception of Owl in Agricultural Landscape in selected regions of Tamil Nadu. *M.Sc. Dissertation* to be submitted to Bharathidasan University
4. Ashwin, C.P. 2018. Roost abundance, roost-site characteristics, and diet analysis of Indian Flying Fox (*Pteropus giganteus*) in Kerala and Tamil Nadu. *M.Sc. Dissertation* submitted to Bharathidasan University.
5. Musheer, J. 2018. Status and usage of Chamrajnagar-Talamalai at Mudahalli elephant corridor by wild animals, BRT Tiger reserve, Karnataka, Southern India. *M.Sc. Dissertation* submitted to Bharathidasan University.
6. Griffith Michael G. 2017. Abundance and Occupancy of Striped Hyena (*Hyaena hyaena*) at Sanjay Dubri Tiger Reserve, Madhya Pradesh. *M.Sc. Dissertation* submitted to Bharathidasan University.
7. Honestrai N. 2017. Socio-economic aspects of pesticide consumption and application method among the formers in Cauvery Deltaic Regions of Tamil Nadu. *M.Sc. Dissertation* submitted to Bharathidasan University.
8. Sathiskumar S. 2016. Ethno-veterinary practices among the elephant mahouts of southern India. *M.Sc. Dissertation* submitted to Bharathidasan University.

9. Ramya A. 2016. Web and web characteristics of Social spiders and Dark Tetragnathid Spiders in Cauvery Deltaic Regions of Tamil Nadu. *M.Sc. Dissertation* submitted to Bharathidasan University.
10. Dhivya N. 2015. Ethno-medicinal practices: and traditional healing system of Arunthathiar and Narikorva communities: An anthropological survey. *M.Sc. Dissertation* submitted to Bharathidasan University.
11. Pugazhendhi V. 2015. Ethno-veterinary practices among the villagers of Traqubar district. *M.Sc. Dissertation* submitted to Bharathidasan University.
12. Vishnu Prasath V. 2013. Ethno-veterinary practices: A case study from Nagappattinam District. *M.Sc. Dissertation* submitted to Bharathidasan University.
13. Bapureddy G. 2012. Estimation of Arboreal Mammals in Aghanashini Lion-tailed Macaque Conservation Reserve in Karnataka, Southern India. *M.Sc. Dissertation* submitted to Bharathidasan University.
14. Evangeline D. 2012. Ecological and Toxicological Investigations of Amphibians in the agricultural fields of Cauvery Delta, Southern India. *M.Sc. Dissertation* submitted to Bharathidasan University.
15. Vasudevan V. 2012. Status and diversity of birds in Vallam Village, Tranqubar Taluk, Nagappattinam District Tamil Nadu. *M.Sc. Dissertation* submitted to Bharathidasan University.

Analytical Instrument Known to Operate

1. Gas Chromatography (GC) – ECD
2. UV Spectrophotometer
3. High Performance Liquid Chromatography (HPLC)
4. Ultra Centrifuge, Table-top Centrifuge
5. Air-Nitrogen Generator
6. Rotary Flask Evaporator
7. Ultra-sonicator
8. Other minor Instruments

Core Area of Teaching

UG Level

1. Genetics
2. Biophysics, Biochemistry and Biostatistics
3. Microbiology and Immunology
4. Animal Physiology
5. Environmental Studies
6. Cell & Molecular Biology
7. Invertebrata
8. Chordata
9. Developmental Biology (Embryology)
10. Ecology
11. Allied Zoology –I & II

PG Level

1. Ornithology
2. Climate Change and Wildlife Conservation
3. Research Methodology
4. Recent Trends in Wildlife Conservation

5. Wetland and Marine Biodiversity Conservation
6. Wildlife Management Techniques
7. Management of Zoo, Sanctuary, National Parks
8. Physiology and Health Care of Wildlife
9. Biostatistics and Computer Application
10. Aquaculture
11. Environmental Biology
12. Biotechnology
13. Microbiology

Awards

1. Received a **Special Award for published a book with ISBN No** held in relations to Teacher Day Celebration at A.V. C. College (Autonomous), Mannampandal on 5th September 2018.
2. Received a **Special Award for published a research article with impact factor 3.055** held in relations to Teacher Day Celebration at A.V. C. College (Autonomous), Mannampandal on 5th September 2017.
3. Received **Best Paper Award** in AAR International Conference on Tamil Literature. Arts and Science College, Karur. 21 & 22 December 2013.
4. Received **Best Poster Award** in Second International Conference on Indian Ornithology. Sálim Ali Centre for Ornithology and Natural History, Coimbatore 19-21 November 2013.
5. Received **Best Paper Award** in the International Conference on Science and Technology for Clean and Green Environment held at Annamalai University. Chidambaram. 27 & 28 July 2012.
6. Received **Best Presentation Award** in the National Seminar on Emerging Trends in Conservation Science held at A.V.C. College, Mannampandal, and Mayiladuthurai. 23 & 24 March 2010.
7. Received **Best Teachers Award** from Directorate of Education, Tamil Nadu for provoked the students to obtain 100 % results in science subjects in the public examination during 2006-2007.

Orientation and Refresher Course Completed

1. Participated in the 126th Orientation Course held at University Grants Commission Human Resource Development Centre (UGC-HRDC), Pondicherry University, Pondicherry from 2nd November to 29th November 2018 and obtained **A Grade**.
2. Participated in ‘Seven Day National Service Scheme (NSS) orientation course conducted by Empanelled Training Institution, Madras School of Social Work from 04-01-2018 to 10-01-2018 at Bharathidasan University, Tiruchirapalli.

Proposal submitted for financial assistance

Major Project

1. Use of herbal medicine for livestock ailments by ethnic communities in Tamil Nadu and assessment of its phytochemical and biological activities. Submitted

to DST-SERB-, New Delhi. Scheme: Empowerment and Equity Opportunities for Excellence in Science. **Proposed Budget Rs. 45,38,600/-.**

2. Submitted **FIST Proposal (Level 1)** to Department of Science and Technology, New Delhi to Improve **Science and Technology Infrastructures Facilities** for P.G. and Research Department of Zoology and Wildlife Biology, A.V.C. College (Autonomous), Mannampandal. **Proposed Budget Rs. 2,99,56,000/-.**
3. Impact of pesticides on population and breeding ecology of colonial nesting birds in Kerala. Submitted to Submitted to the Directorate of Environment and Climate Change, Kerala.
4. Molecular Taxonomy of selected taxa in the agricultural Ecosystem of Cauvery Deltaic region, Southern India. Submitted to the Ministry of Environment & Forests, Government of India, New Delhi. March 2014.
5. An Assessment of Population and Habitats of Grizzled Giant Squirrel *Ratufa macroura* (Pennant 1779) in Southern India and Causes of its Dispersal and Conflict with Human in the Adjoining Farm Fields of Srivilliputhur Grizzled Giant Squirrel Wildlife Sanctuary. Submitted to the Ministry of Environment & Forests, Government of India, New Delhi. December 2012.
6. Evaluation of Persistent Chemicals and Determination of Bio-Magnification in Various Trophic Levels of Agro-Ecosystem and their Impact on Human Health and Environment. Submitted to the Ministry of Environment & Forests, Government of India, New Delhi. December 2012.

Minor Projects

7. Evaluation of Pesticide Residues in Sediments of Agro-ecosystem in a Portion of Coastal Region of Cauvery Delta. Submitted to the SERO, UGC regional office Hyderabad. July 2014.
8. Effect of Form Management the population of different species of spider in paddy (*Orya sativa*) filed under organic system of cropping. August 2015

Concept note submitted as Principle Investigator

1. Study of pesticide residues in sediments of Agro-ecosystem and their impact on soil fauna. Submitted to DST for **Young Scientists and Technologists** During November 2016.

Participation in Seminars

1. Participated in UGC-SAP Sponsored National Seminar on Challenges in Teaching and Learning Biology in the 21st Century held on 30th January 2018 at Annamalai University.
2. Participated in 'International Conference on Current Challenges in Conservation of Biodiversity'. Organized by P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai between 16 and 18 February 20-02-2017.

3. Participated in 'One Day Student National Conference on the Current Perspective of Bioscience'. Organized by P.G. and Research Department of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 20th February 2016.
4. Participated in the 'UGC sponsored National Seminar on Current Status and Future Perspective of Research in Biological Science'. Organized by Research and Development Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 9th January 2012.
5. Participated in the seminar on 'Chromatography Tips & Tricks'. Organized by Agilent Technologies, Coimbatore, during 18th May 2010.
6. Participated in the 'National seminar on Wildlife Conservation held as part of A.V.C. College Golden Jubilee Celebration and Silver Jubilee year of M. Sc come in Wildlife Biology under the auspices of the Department of Zoology, Wildlife Biology, Bio- Technology and Bio- Informatics, A.V.C. College, Mannampandal, Mayiladuthurai, during 25-26, 2005.

Participation in Workshops

1. Participated in the '**Science Academies' Lecture workshop** on perspective on Biological Science. Organized by Department of Botany, A.V.C. College (Autonomous), Tiruchirapalli between 23rd & 24th January 2017.
2. Participated in the '**UGC sponsored six days workshop** on Research Methodology and SPSS'. Organized by PG and Research Department of Mathematics, Jammal Mohemad College (Autonomous), Tiruchirapalli between 20th and 25th October 2016.
3. Participated in the '**Science Academies' Lecture workshop** on Vistas of Bioscience'. Organized by PG and Research Department of Botany, St. Joseph's College, Tiruchirapalli between 30th and 31st January 2015.
4. Participated in '**Entrepreneurship Training Workshop** for College Teachers'. Organized by Entrepreneurship Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 22- 27 March 2013.
5. Participated in '**UGC assisted Workshop on Women toward Empowerment**'. Organized by Equal Opportunity Centre and Prevention of Sexual Harassment Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 23rd January 2012.
6. Participated in '**Faculty Development Programme**'. Organized by Internal Quality Assurance Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 22nd February 2012.
7. Participated in the '**UGC aided Workshop on Lab to Land**'. Organized by P.G and Research Department of Zoology and Wildlife Biology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 10- 13 January 2012.
8. Participated in the workshop on '**Handling of Interactive Boards, Devices and advanced Audio Visual Instruments**'. Organized by Internal Quality

Assurance Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 13-14 September 2012.

9. Participated in the '**UGC aided Workshop on Setting Question Bank for PART-A Questions**'. Organized by A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai during 26 & 27 December 2011.
10. Participated in the '**Re-Orientation Course for The Teachers Handling Student**'. Organized by Association of Management and Principal of Metric School in Tamil Nadu and Pondicherry during 2nd September 2007.
11. Participated in the '**UGC aided workshop and training on Biological Preservation Techniques**'. Organized by Botany and Zoology section of this museum held at Department of Zoology, A.V.C. College, Mannampandal, Mayiladuthurai during 27-01-04 to 01-02-2004.

Participation in Training Programmes

1. Participated in '**MHRD sponsored National Training Programme on Analytical Instrumentation, CHNS and FTIR for Analysis of compound from bio resources**'. Organized by Centre of Advanced Study in Marine Biology Faculty of marine Sciences, Annamalai University Parangipettai on 25-02-2016.
2. Participated in five days-sort term training programme on **Eco-friendly and sustainable shrimp/prawn forming/diversified aquaculture**. Organized by Internal Marine Products Export Development Authority, Regional Centre (Aq.), Nagapattinam from 25.02.2014 to 01.03.2014.
3. Participated in five days-sort term training programme on **Eco-friendly and -Content Development**'. Organized by Internal Quality Assurance Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai from 22 to 25 August 2012 and 15 to 18 September 2012.
4. Trained in '**Geographic Information System**' (GIS) software (Arc GIS & ENVI). Organized by Internal Quality Assurance Cell, A.V.C. College (Autonomous), Mannampandal, and Mayiladuthurai during 10-12 September 2012.
5. Participated in the '**UGC sponsored short term training programme on E-Content Development**'. Organized by Internal Quality Assurance Cell, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai from 22 to 25 August 2012 and 15 to 18 September 2012.
6. Participated in the training programme on '**Instrumentation and Analytical Techniques**'. Organized by SACON, Coimbatore, during 27th to 31st July 2009.

Participation in animal/bird census programme

1. Participated in "Synchronized **Wildlife Census** at Point Calimere Wildlife Sanctuary, Kodyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 28 & 29 March 2018.

2. Participated in **Synchronized Annual Birds Census Programme- Phase II** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 7th & 8th February 2018.
3. Participated in **Synchronized Bird Census Programme** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 20 & 21st January 2018.
4. Participated in **Annual Bird Estimation** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 12 & 13th February 2016.
5. Participated in **Annual Animal Census Programme** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 28th February 2013.
6. Participated in **Annual Bird & Animal Census Programme** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 21-22 March 2013.
7. Participated in **Annual Bird Census Programme** at Point Calimere Wildlife Sanctuary, Kodiyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 21 January 2012.
8. Participated in **Annual Bird Census Programme** at Koonthankulam Bird Sanctuary, Thirunelveli. Organized by Tamil Nadu Forest Department, Tamil Nadu during 23rd & 24th January 2010.

Participation in Exhibitions

1. Participated and exhibited photographs in Wildlife Photographic Exhibition on the eve of Diamond Jubilee Celebration of A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai between 19 & 20th February 2016.
2. Participated in 'Exhibition cum workshop on Environment'. Organized by Government of Tamil Nadu and PG. and Research Department of Zoology, Mannampandal, Mayiladuthurai on 12th March 2013.
3. Participated and exhibited the exhibit in the '33rd State Level Jawaharlal Nehru Science Exhibition'. Organized by Government of Tamil Nadu, during 3rd -7th January 2007.
4. Participated in the 'School Level Science Exhibition. Organized by Sri Gurugnana Sambandar Mission Sri Muthaiah Matriculation School, Vaitheeswarankoil during 5th September 2007.

Invited Talks Delivered

1. **Does earth exist only for human?** In "Seven Days Special NSS Camp organized by NSS Units of A.V.C. Polytechnic College, Mannampandal, Mayiladuthurai on 8th March 2019.
2. **Plastic Eradication** in "Seven Days Special NSS Camp organized by Idaya Woman College, Kumbakonam on 6th March 2019.

3. **Role of Youth in Bird Conservation** in “Seven Days Special NSS Camp organized by Dhramapuram Gnanambigai Government Arts College Women, Mayiladuthurai on 28th February 2019.
4. **Plastic Eradication: Needs and Urgency** in “Seven Days Special NSS Camp organized by Dhramapuram Gnanambigai Government Arts College Women, Mayiladuthurai on 27th February 2019.
5. **Sustainable Development Goals: Economists Vs Environmentalists** in Extra ordinary meeting organized by Economics Association, Department of Economics, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 22nd February 2019.
6. **Ecosystems and Environment** in the In-service Training Programme for Science Teachers catalyzed and supported by Tamil Nadu State Council for Science and Technology (TNSCST), Chennai and Organized by A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 22nd February 2019.
7. **Wildlife and its Conservation Issues in India** in National Seminar on Environmental Awareness organized by VANAM, Voluntary Organization, Thiruvarur, Tamil Nadu on 8th February 2019.
8. **Biodiversity and its Conservation.** Guest lecture organized by Department Physics, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 17th December 2018.
9. **Identification and Status of Mammals in Point Calimere Wildlife Sanctuary** in “Annual Animal Census” in Point Calimere Wildlife Sanctuary, Kodyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 28 & 29 March 2018.
10. **Role of Youth in Conservation of Birds** in “National Science Day Celebration’ held in Shree Raghavendra Arts and Science College, Chidambaram on 28.02.2018.
11. **Bird Watching Vs Bird Census- Phase II** in “Synchronized Annual Bird Census Programme’ in Point Calimere Wildlife Sanctuary, Kodyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 7th & 8th February 2018.
12. **Need for Bird Conservation** in “Synchronized Annual Bird Census Programme’ in Point Calimere Wildlife Sanctuary, Kodyakkarai. Organized by Tamil Nadu Forest Department, Tamil Nadu during 20 & 21st January 2018.
13. **Cleanliness and Environmental affairs of Youth** in “Seven Days Special NSS Camp organized by Dhramapuram Gnanambigai Government Arts College Women, Mayiladuthurai on 22-28 January 2018.

14. **Preparation of Seed Balls** in “Seven Days Special NSS Camp organized by Dhramapuram Gnanambigai Government Arts College Women, Mayiladuthurai on 22-28 January 2018.
15. **Environmental Protection and Plastic Eradication** in “Seven Days Special NSS Camp organized by Idaya Woman College, Kumbakonam on 20th March 2017.
16. **Significances of Tree Plantation** in NSS day Celebration held at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 24-02-2016.
17. **Impact of Agricultural pesticides on fish-eating birds and their prey in Tamil Nadu** in Diamond Jubilee Celebration, Special and Endowment lecture in P.G and Research Department of Chemistry, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 20-02-2016.
18. Acted as team leader in a debate titled **Education vs. Experience** on the eve of Diamond Jubilee Celebration of A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai on 19-02-2016.
19. **Bird census techniques** on the occasion of the synchronized Bird Census Programme” at Point Calimere Wildlife Sanctuary organized by Tamil Nadu Forest Department, Nagapattinam Wildlife Division on 12 & 13th February 2016.
20. **Diversity of colonial nesting birds in different heronries of Tamil Nadu** in National seminar on Modern Trends in Biodiversity Conservation & its Sustainable Use held at Periyar Arts and Science College, Cuddalore on 7 and 18th July, 2014.
21. **Documentation on Birds: A past and present Scenario in Tamil Nadu** in Environ-meet organized by OSAI Environmental Organization, Coimbatore on 30-03-2014.
22. **Birds in Tamil Literature (Pathuppatil Paravaigal)** in Tamil Workshop organized by PG and Research Department of Tamil, AVC College (Autonomous), Mannampandal, Mayiladuthurai on 07-02-2014.
23. **Status and distribution of heronries in Tamil Nadu** in the Bird Watching and Bird Ringing Programme” at Vettangudi Bird Sanctuary, Sivagangai on 19th March 2010 organized by Tamil Nadu Forest Department, Ramnad/Sivagangai Forest Division.
24. **Bird counting techniques in the field** in the Bird Census Programme” at Koonthankulam Bird Sanctuary, Thirunelveli on 23rd & 24th January 2010 organized by Tamil Nadu Forest Department, Thirunelveli Forest Division.
25. **Morphology and identification of birds** in the Bird Census Programme” at Koonthankulam Bird Sanctuary, Thirunelveli on 23rd & 24th January 2010 organized by Tamil Nadu Forest Department, Wildlife Division, Thirunelveli.

Sanctuaries/Protected Area/IBA Sites Visited For Research

- Udayamarthandapuram Bird Sanctuary, Thiruvarur
- Vaduvor Bird Sanctuary, Thiruvarur
- Muthupet Mangrove, Thiruvarur
- Vellode Bird Sanctuary, Erode

- Veeranam Lake, Cuddalore
- Pitchavaram Mangrove, Cuddalore
- Vedanthangal Bird Sanctuary, Kancheepuram
- Karikili Bird Sanctuary, Kancheepuram
- Guindy National Park, Thiruvallur
- Aringer Anna Zoological Park, Thiruvallur
- Point Calimere Wildlife Sanctuary, Nagappattinam
- Karaivetti Bird Sanctuary, Perambalur
- Vandioor IBA & Kunnathur IBA, Madurai
- Vetangudipatti Bird Sanctuary, Sivagangai
- Melaselvanoor Bird Sanctuary, Ramnad
- Kanjirankulam Bird Sanctuary, Ramnad
- Chitrangudi Bird Sanctuary, Ramnad
- Ramnad Keelaselvanoor Bird Sanctuary, Ramdad
- Moondradaippu IBA & Ariyakulam IBA, Thirunelveli
- Poolam Kanmai, Thirunelveli
- Koonthankulam Bird Sanctuary, Thirunelveli
- Thirupudaimaruthur Bird Sanctuary, Tuticorin
- Vallanadu Black Buck Sanctuary, Tuticorin
- Watrap IBA, Virudunagar
- Veerakasamuthirakulam IBA, Virudunagar
- Sankarapandipuram Kanmai, Kanniyakumari
- Pudhukiramam Kanmai, Kanniyakumari
- Suchindram IBA, Kanniyakumari
- Theroor IBA, Kanniyakumari
- Vembanoor IBA, Kanniyakumari
- Manakkudi Tank, Kanniyakumari
- Thol Bird Sanctuary, Gujarat
- Silant Valley National Park, Kerala

Serving as Reviewer

- Journal of Current Traditional Medicine
- The Natural Products Journal
- International Journal of Threatened Taxa
- Zoo's Print Magazine

Acted as Chairperson/co-chairperson/Chief Guest/Resource Person

1. Orientation Programme on National Service Scheme (NSS) held at Dharmapuram Gnanambigai Arts College (Women), Mayiladuthurai on 28.09.2018.
2. Preparation of Seed Ball Programme at Alagu Jothi Academy (An International CBSE School), Mayilduthurai on 18th July 2018.
3. OCTO-FEST Science Day Celebration at Shree Raghavendra CBSE School, Chidambaram on 28.02.2018.

4. International Conference on Current Challenges in Conservation of Biodiversity held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai between 16th and 18th 2017.
5. One day Student National Conference on Current Perspective of Bioscience held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 20-02-2016.

Serving as question paper setter to the following institutions

1. Bharathiar University, Coimbatore
2. Annamali University, Chithambaram
3. Scott Christian College, Nagarcoil
4. S. Vellaichamy Nadar College, Madurai

News Items/Interviews shared in Television

1. Status of Animals at Point Calimere published in **all TV medias**, <https://www.youtube.com/watch?v=9bCQs3qUOhU>.
2. Rare Indian Courser sighted in Koonthankulam Bird Sanctuary published in **Times of India**, 4th February 2015.
3. Where birds of a feather matter published in **The Hindu**, 17th October 2014.
4. Birds of Vedanthangal Bird Sanctuary, Kancheepuram in **Sun TV** –Tamil Nadu- Friday, 21 November 2009.
5. Birds of Thirupudaimaruthur Bird Sanctuary, Thirunelveli in **Kalainger TV** –Tamil Nadu-Friday, 20 June 2008.

Member/Co-opted member in Board of Studies

1. Served as Member in BOS held at P.G. and Research Department of Zoology and Wildlife Biology on 04-04-2019.
2. Served as Co-opted Member in BOS held at P.G. and Research Department of Zoology and Wildlife Biology on 24-02-2018.
3. Served as Co-opted Member in BOS held at P.G. and Research Department of Zoology and Wildlife Biology on 25-03-2017.
4. Served as Co-opted Member in BOS held at P.G. and Research Department of Zoology and Wildlife Biology during 2016.
5. Served as Co-opted Member in BOS held at P.G. and Research Department of Zoology and Wildlife Biology during 2015.

Extracurricular and Extension Activities

- **Programme officer in National Service Scheme** in A.V.C. College (Autonomous) since 21.08.2017.

Major Activities Organized through NSS

1. Voter's Awareness Programme organized at A. V. C. College (Autonomous), Mannampandal, Mayilduthurai on 16-10-2018.
2. NSS Day Celebration and Blood Donation Camp organized at A. V. C. College (Autonomous), Mannampandal, Mayilduthurai on 24-09-2018.
3. Donated 5000 seed balls to Karna Suryodhayam Trust, Sembanarkoil on 22nd September 2018.
4. Donated 1500 seed balls to Alagu Jothi Academy (An International CBSE School), Mayilduthurai on 20th July 2018.
5. Donated 2000 seed balls to Idhaya College for Woman, Kumbakonam on 20th March 2018.
6. Organized Seven Days Special Camps to NSS Volunteers at Arupathi between 12-03-2018 and 18-03-2018.
7. Preparation of one lakhs seed balls to promote India as Green India at A. V. C. College (Autonomous), Mannampandal, Mayilduthurai on 03-10-2018.
8. Cauvery Pushkar- Thulakkattam Cleaning Camp at Mayiladuthurai on 7th July 2018.
9. Temple (Kuttram Porutha Nathar) Cleaning work at Thalainzhair, Pattavarthi, Tamil Nadu on 27th December 2017.
10. Temple (Sivan) Cleaning work at Karunkuilnathan Pettai, Mayiladuthurai, Tamil Nadu on 31st December 2017.
11. Environmental Awareness Rally to public held at Mayiladuthurai to Mannampandal on 30th December 2017.
12. Awareness program through Motor cycle Rally on Helmet Wearing.
13. Orientation programme to fresh NSS Volunteers.

Co-ordinator in PEKAK Extension Activity from August 2011 to August 2014

Major Activities Organized

1. Socio Economic Survey in Kanganamputhur village
2. Formation of Farmers' Club
3. Awareness programme on Wildlife and Conservation
4. Awareness programme on Health Care & Vaccination

5. Awareness programme on Snake Bites and First Aids
6. Campus Cleaning Programme

Administrative Activities

1. Served as Presiding Officer in **Indian Lok Sabha Election- 2019** at 29, Nagapattinam Parliamentary Constituency on 18-04-2019.
2. Served as Invigilator in **TNPSC Group- II Examination** held at A.V.C. College on 12-08-2012.
3. Served as Polling Officer 1 in **Local Body Election-Phase I** (Tamil Nadu) on 17-10-2011.

Co-ordinator, Wildlife Science Forum (since 2015)

Major activities

1. Organized a presentation on Bird Migration and Migration Techniques held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 27th October, 2018.
2. Organized the lecture presentations on summer internship research in collaboration with IAS and other organizations held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai during 30-31 July 2018.
3. Organized the lecture presentations on summer internship research in collaboration with IAS and other organizations held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 12-10-2017.
4. Participated in seed balls preparation programme organized by Rotary Club at Sri Venkateswara School, Thiruvarur on 22-04-2017.
5. Organized Wildlife Photography Exhibition at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai between 16th and 18th 2017.
6. Organized a guest lecture on Migrating pattern of Lesser Frigatebird at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 20-07-2016.
7. Organized Flamingo Festival 2016 at Point Calimere Wildlife Sanctuary, Nagapattinam on 09-01-2016.
8. Organized a guest lecture on Andaman Island: A paradise for Avifauna held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 23-12-2015.

9. Organized the lecture presentations on summer internship research in collaboration with IAS and other organizations held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 24-07-2015.
10. Organized a special talk on Balancing the need of people and wildlife held at P.G. and Research Department of Zoology, A. V. C. College (Autonomous), Mannampandal, Mayiladuthurai on 13-03-2015.
11. Created a separate Whats-App group to create awareness on wildlife on 20-09-2015.
12. Created a special emblem for Wild Life Science Forum on 17-06-2015.

Excellency in sports

1. Participated in the game of **CRICKET** and got **WINNER** position in the intercollegiate staff tournament held in March 2016.
2. Participated in the game of **BALL BADMINTON** and got **RUNNER** position in the intercollegiate staff tournament held in March 2016.

Served as Judge

1. Served as Judge for the Tamil Oratorical competition held in connection with 150th Birth Anniversary of Mahatma Gandhi organized by the Management, A.V.C College (Autonomous) on 10-10-2018.
2. Served as Judge for the district level Tamil Speech Competition held in connection with 100th Birth Anniversary of Mahatma Mahakavi Bhrathiar organized by the Management, A.V.C College (Autonomous) on 11-12-2017.
3. Served as Judge for Tamil Elocution of Culture and Sports Meet 2017-18 conducted by TNTEU at Sir Issac Newton College of Education, Nagapattinam on 01- 02-2018.
4. Acted as Judge for the Tamil Oratorical competition held in connection with Road Awareness-2017 organized by NSS, AVC College.
5. Served as Judge for the Tamil Oratorical competition held in connection with Wildlife Week Celebration-2017 organized by the Department of Zoology, AVC College on 11-10-2017.

Membership & other Responsibility at A.V.C. College, Mannampandal

- Committee Member in International conference on current challenges in conservation Biodiversity (In4CB-2016) during 16th & 18th February 2017.
- Serving as member in NIRF & NAAC committees during the NIRF and AQAR report – 2017.
- Served as member in various committees during the Autonomous Review Committee – 2016.
- Assisted IQAC Co –ordinator in preparing NIRF raking proposal-2016.

- Teaching various aspects of Biodiversity Conservation to Young Student Scientist Programme since 2014.
- Servicing as convocation committee since 2013.
- Served as Tutor in Men's Hostel from January 2012-14.
- Served as member in various committees during the NAAC visit- 2013
- Member in Department Alumni Association from June 2012- May 2013.
- Served as flying squad member in End Semester Examination during 2012
- Member in stage committee from June 2012- May 2013.
- Tutor in- charge for I B.Sc., Zoology students since July 2012.
- Tutor in- charge for III B.Sc., Zoology students during 2011-2012.
- Member in catering committee at AVC College during 2011-2012.
- Member in stock verification committee during 2011-2012.
- Co-opted Member in Board of Studies held at Department of Zoology & Wildlife Biology since August 2011.
- Committee Member in National Seminar on Conservation of Natural Resources (NASCON-12) during 16th & 18th March 2012.
- Member in NSS during 2000 to 2001.
- Member in Research and Development Cell during 2006.
- Member in Junior Red Cross during 1994 to 1995.

References

1. Dr. S. Muralidharan

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 Sálím Ali Centre for Ornithology and Natural History (SACON)
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2. Dr. R. Nagarajan

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 PG & Research Department of Zoology and Wildlife Biology
 A.V.C. College (Autonomous)
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DECLARATION: I affirm that information given in this application is true and correct. I also fully understand that if at any stage it is discovered that any attempt has been made by me to willfully conceal or misrepresent the facts, my candidature may summarily be rejected or employment terminated.

Mayiladuthurai

Date:

(Signature of the Applicant)