

Curriculum vitae

Dr. B. Kavitha Bharathi M.Sc., Ph.D.,

Assistant Professor

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EDUCATIONAL QUALIFICATION			
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Sarah Tucker College, Palayamkottai, Tamil Nadu	B.Sc.	2006	Zoology
St. Xavier's College (Autonomous), Palayamkottai,	M.Sc.	2008	Zoology
Manonmaniam Sundarnar University, Tirunelveli.	Ph.D.	2012	Zoology

AREA OF SPECIALIZATION: Biodiversity Conservation – Species Identification

Papers presented in national and international level – 16

Paper published in books -5

Paper published in national and international journals – 12

Teaching Experience: 11 years

Research Experience: 15 years

POSITIONS AND HONOURS:

- ❖ Tamil Nadu Forest Department, JRF - April 2008 to Feb 2010, Sarah Tucker College.
- ❖ Gulf of Mannar Biosphere Reserve Trust, JRF - March 2010 - Dec 2010, Sarah Tucker College.
- ❖ UGC Project Fellow - Jan 2010 - June 2012, Sarah Tucker College.
- ❖ CSIR, SRF - Sep 2012 to Jan 2013, St. Xavier's College (A), Palayamkottai.
- ❖ Assistant Professor: June 2013 - June 2014, Aditanar College, Tiruchendur
- ❖ Assistant Professor: June 2014 - Feb 2015, Thiyaagi Dharmakkan Amirtham College of Arts and Science, Kannirajapuram, Ramnad.
- ❖ Assistant Professor: March 2016 – to present, Poompuhar College (Autonomous), Melaiyur, Mayiladuthurai Dt.

RESEARCH GUIDANCE

Ph.D.,

Number of Ph.D., Scholars : 1

Degree Awarded : -

M.Phil.,

Number of M.Phil., Scholars : 2

Degree Awarded : 2

DNA sequences published in NCBI GenBank, USA

S. No.	Accession	Organism	Published Year
1.	OR483967.1	<i>Delias eucharis</i>	2023
2.	OR484869.1	<i>Melanitis leda</i>	2023
3.	OR484865.1	<i>Pachliopta hector</i>	2023
4.	PQ425171.1	<i>Aporandria specularia</i>	2024
5.	PQ423740.1	<i>Arhopala centaurus</i>	2024
6.	PQ431970.1	<i>Olios milleti</i>	2024

Papers Published in Books:

1. Kavitha Bharathi. B. (2022). Conservation strategies of medicinal plants through seed dispersal services by frugivorous bats in Srivilliputhur Wildlife Sanctuary. P.K. Senthilkumar. (Ed), Novel Approaches in Biological Sciences. India: Darshan Publishers. pp: 60-75.
2. Juliet Vanitharani, **Kavitha Bharathi. B** and Viji Margaret. I (2012). *Ficus* Diversity in Southern Western Ghats is a Boon for Biodiversity Conservation – A Glimpse, *Recent Advances in Biodiversity of India*, Chapter 5: 45-57, Zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair.
3. Juliet Vanitharani, Viji Margaret. I, **Kavitha Bharathi. B** and Nalini Mabel (2012). Glimpses of a Few Remarkable Wild Trees for the Survival of Animal Species in Southern Western Ghats – *Recent Advances in Biodiversity of India*, Chapter 09: 83-92, Zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair.
4. Juliet Vanitharani, Viji Margaret. I and **Kavitha Bharathi. B** (2012). Role of Common Passeriformes Bird Species in Various Forest Ecosystem of Southern Western Ghats, *Recent Advances in Biodiversity of India*, Chapter 46: 403-413, Zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair.
5. Juliet Vanitharani, Angel paulina. R, Viji Margaret. I and **Kavitha Bharathi. B** (2011). Role of *Cynopterus brachyotis* (Lesser dog faced fruit bat), *Cynopterus sphinx* (Short nosed fruit bat) in Forest Restoration of Kalakad Mundanthurai Tiger Reserve – *Recent Advances in Biodiversity of India*, Chapter 50: 457-467, Zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair.

Papers Published in National and International Journals

6. Viji Margaret I, Anushiya Selvam T, **Kavitha Bharathi B** & Kombiah P **2023**. Histopathological Changes in Gills and Muscles of *Cirrhinus mrigala* Fingerlings Exposed to Copper Sulfate, Indian Journal of Natural Sciences, Vol.14 / Issue 78, ISSN: 0976 – 0997, 56240-56244 pp.

7. Indira Rani G & **Kavitha Bharathi B 2023**. Impact of Lambda-Cyhalothrin on tissue lipid in freshwater air breathing fish- *Clarias batrachus*, Journal of Emerging Technologies and Innovative Research (JETIR) Volume 10, Issue 3 ISSN-2349-5162, a156-162.
8. **Kavitha Bharathi. B** and Angel Paulina **2022**. Dietary Analysis of Nutritional Composition of Few Food Plants of *Cynopterus brachyotis* (Lesser Dog Faced Fruit Bat) in the Forests of Kalakad Mundanthurai Tiger Reserve, Indian Journal of Natural Sciences, Vol.13 / Issue 75, ISSN: 0976 – 0997.
9. Kavitha Bharathi B, Indirarani G and Viji Margaret. I 2022. Diversity of avifauna in Palayakayal mangrove forest ecosystem, Journal of Xi'an Shiyu University, Natural Science Edition, ISSN NO: 1673-064X.
10. Haniffa. M A., Kavitha Bharathi.B., Viji Margaret.I., Bilal Ahmed Paray 2013. Effect of a Probiotic and Herbal Additives on Growth, Survival and Disease Resistance of Striped Murrel, World Aquaculture Magazine.
11. Juliet Vanitharani and Kavitha Bharathi. B 2011. Conservation Tips for the Maintenance of Endangered *Ratufa macroura* (Grizzled Giant Squirrel), in the Srivilliputhur Wildlife Sanctuary, Journal of Theoretical and Experimental Biology (An International Journal of Basic and Applied Biology)
12. Juliet Vanitharani, Jeyapraba. L and Kavitha Bharathi. B 2011. Bat-Plant Interaction and their Impact in the Musal and Kurusadai Island Ecosystems of Gulf of Mannar, India- Journal of Theoretical and Experimental Biology (An International Journal of Basic and Applied Biology)
13. Juliet Vanitharani, Kavitha Bharathi. B and Viji Margaret. I 2011. Probe in to the Conservation Status of *Ratufa macroura* through the analysis of plant-animal interaction in the Srivilliputhur Wildlife Sanctuary – Journal of advanced biotechnology.
14. Juliet Vanitharani, Shanmugapriya C, Kavitha Bharathi. B and Viji Margaret. I 2011. Suggestion for Biodiversity Conservation in Mandapam Group of Islands” – Journal of advanced biotechnology.
15. Juliet Vanitharani, Viji Margaret. I and Kavitha Bharathi. B 2011. Interaction of Big Five ‘Bs’ (Bat, Bird, Butterflies, Beetles, Bees) a boon for Biodiversity Conservation in Megamalai Wildlife Sanctuary – Journal of advanced biotechnology.
16. Juliet Vanitharani, Kavitha Bharathi B and Viji Margaret I 2009. Ficus diversity in southern Western Ghats: a boon for biodiversity conservation– Journal of Theoretical and Experimental Biology (An International Journal of Basic and Applied Biology) (ISSN: 0972-9720), 6(1): 67-78, © 2009 Elias Academic Publishers, India.
17. Juliet Vanitharani, Viji Margaret I and Kavitha Bharathi. B 2009. Role of common Passeriforme bird species in forest ecosystems of southern Western Ghats” – Journal of Theoretical and Experimental Biology (An International Journal of Basic and Applied Biology).

PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL LEVEL

1. **Oral presentation:** Ecosystem services and foraging preference of frugivorous birds in Srivilliputhur

Grizzled Squirrel Wildlife Sancturay, in the National Seminar on Green Technology for sustainable Environment and Agriculture organized by PG & Research Dept. of Zoology, Chikkaiah Naicker College, Erode – 638 004 held on 20th September 2024.

2. **Oral Presentation:** Diversity and abundance of Butterfly species in relation to host and nectar rich flora in East Coast regions of Poompuhar, Mayiladuthurai District in the National Seminar on Health and Hygiene (NSSH' 24) organized by Zoology Department and Research Centre, Sarah Tucker College (Autonomous), Tirunelveli – held on 16th February 2024.
3. **Oral Presentation:** DNA Barcoding of Lepidoptera Species from the East coast Region of Poompuhar College campus, Mayiladuthurai Dt. in the One-day virtual national conference on retrospect of biological sciences (NCRBS - 2023) organized by the Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, Ramapuram Campus, Chennai - 600 089 held on 3rd April 2023.
4. **Oral Presentation:** Assessment of Existing Ecosystem Services to Enhance the Biodiversity in Srivilliputhur Wildlife Sanctuary on the occasion of 5th International conference” Multidisciplinary approach on conservation of Nature and Traditional Ayush Medicine” (CNRTSPA -2022) held on 12-14 December 2022 jointly organized by Williams Research Centre Nagercoil, Kanniyakumari Dt, Vivekananda College, Agasteeswarm in association with Indian Science Congress Association Chennai chapter.
5. **Oral presentation: “Check list of avian faunal diversity in Palayakayal mangrove forest” in the International conference on Recent trends in biological and health science (ICRTBHS'22)** organized by Zoology Dept. and Research Centre, Sarah Tucker College (Autonomous), Tirunelveli-7 held on 22nd August 2022.
6. **Oral presentation: Assessment of Pollination Amenities Accomplished by Insects in Srivilliputhur Grizzled Squirrel Wildlife Sanctuary”** in the National Science Day and First Bioforum Annual Conference on Biological Sciences Organized by the Dept. of Biotechnology, The Madura College, Madurai during 28th February & 1st March 2022.
7. **Oral presentation: “Conservation assessment of pollination executed by Coleopterans in Srivilliputhur Grizzled Squirrel Wildlife Sanctuary”** in the “National workshop on biodiversity assessment of herpetofauna and other organisms on 28th & 29th February, 2020 organized by Dept. of Zoology & Wildlife Biology, Govt. arts College, Uthagamandalam.
8. **Oral presentation: Conservation of medicinally cherished *Ficus* species interaction with seed dispersers of Srivilliputhur Grizzled Squirrel Wildlife Sanctuary** in the International conference on natural therapeutics (ICNT - 2020) organised by PG and Research department of Biochemistry, Dharmapuram Gnanambigai Govt. Art College (W), Mayiladuthurai, Tamil Nadu, India held on 6th February 2020.
9. **Oral Presentation: Lepidopteran diversity in Srivilliputhur Grizzled Squirrel Wildlife Sanctuary** in the National Conference on Recent Trends in Biological Sciences (RTBS - 2020) organized by PG & Research Department of Zoology The American College, Madurai, Tamil Nadu.

In association with Indian Science Congress Association, Chennai Chapter held on 3rd February 2020

10. **Oral Presentation: Dietary analysis of nutritional composition of few food plants of *Cynopterus brachyotis* (lesser dog faced fruit bat) in the forests of Kalakad, Mundanthurai Tiger Reserve** in the National conference on Contemporary environmental issues and conservation of southern western Ghats organized by the department of Botany and research centre, Nesamony memorial Christian college, Marthandam on 7th and 8th of February 2019.
11. **Oral Presentation: Comparative analysis of anti-developmental activity of the biosynthesized silver nanoparticles using *Artemisia nilagirica* and *Euphorbia tithymaloides*** in the National conference on Frontiers in Nanoscience held at the Department of Physics, Annamalai University, Annamalai nagar, Tamil Nadu during 4th and 5th October 2018
12. **Oral Presentation: Interaction of Big Five 'Bs' (Bat, Bird, Butterflies, Beetles, Bees) a boon for Biodiversity Conservation in Megamalai Wildlife Sanctuary** in the National seminar on Nature and Biodiversity Conservation organized by the Department of Plant Biology and Biotechnology and Department of Advanced Zoology and Biotechnology, Sadakathullah Appa College, Tirunelveli, Tamil Nadu, 31st January 2011.
13. **Oral Presentation: "Probe in to the Conservation Status of *Ratufa macroura* through the analysis of Plant-animal Interaction in the Srivilliputhur Wildlife Sanctuary"** in the International conference on Implication of Biotechnology on Biodiversity and its Conservation held on 27th and 28th January 2011 held at Department of Plant Biology and Plant Biotechnology, Ethiraj College for Women, Chennai.
14. **Oral Presentation: "*Ficus* Diversity in southern Western Ghats: a boon for Biodiversity Conservation"** in the National Symposium on Recent Advances in Biodiversity of Indian Subcontinent from 11-13th March, 2009 held at zoological Survey of India, Andaman and Nicobar Regional Station, Port Blair.
15. **Oral Presentation: Identification of Pollinators, Seed dispersers and Preferred Plant species Interaction in Kalakad Foot Hills (Below 1000ft Elevation)** in the "32nd Conference of the Ethological Society & National Symposium on Fish Behaviour" held from 16-17th October, 2008 organized by Central Institute of Fisheries Education, Mumbai, Indian Fisheries Association, Mumbai and Ethological Society of India, Bengaluru.

Best Oral Presentation

- **"Conservation strategies of medicinal plants through seed dispersal serviced by frugivorous bats in Srivilliputhur Wildlife Sanctuary"** in the International conference on Conservation of natural resources and traditional siddha pharmacological approach for your future & DBT Foldscope workshop held on 12-14 December, 2018 organized by William Research Centre, Nagercoil, Tamil Nadu, South India.

Certificate of Appreciation

- **Award - Best faculty in Zoology award** received on the occasion of 5th International

conference” Multidisciplinary approach on conservation of Nature and Traditional Ayush Medicine” (CNRTSPA -2022) held on 12-14 December 2022 jointly organized by Williams Research Centre Nagercoil, Kanniyakumari Dt, Vivekananda College, Agasteeswarm in association with Indian Science Congress Association Chennai chapter.

- **Guest lecture** – ‘Role of Big five’s in Srivilliputhur Grizzled Squirrel Wildlife Sanctuary’ Association Inauguration meeting conducted by Department of Zoology, Nesamony Memorial Christian College, Marthandam on 10th October 2024.

Seminar/ Conference/Workshop Organised

- Coordinated **National conference on current scenario in Biological Sciences (CSBS-2024)** supported by TNSCST in association with Asian Society of Aquaculture held between 9th and 10th December 2024.
- Organized **2nd Butterfly walk** survey programme at Poompuhar College campus on 14th September 2024
- Organized **Butterfly walk** on the occasion of Big butterfly month at Poompuhar College campus on 12th September 2023.
- Organized **National science day celebration -2023** held at Fauna BORNS club of PG and Research Department of Zoology, Poompuhar College (Autonomous), Melaiyur on 28th February 2023.
- Organized one-day International level webinar on Recent trends in Biodiversity conservation and prospecting held at Poompuhar College (Autonomous), Melaiyur on 27th August 2020.

Position Held/ Leadership role played

- Appointed as question paper setter – Sri Vidya Mandir Arts and Science College (Autonomous), Krishnagiri.
- Appointed as NSS Camp officer in the seven days special camping programme on the theme of ‘Youth for Cleanliness’ organized at Nangoor, Thiruvengadu, Mayiladuthurai and thillaiyadi from 24-03-2023 to 30-03-2023
- Appointed as camp officer for central valuation held at Poompuhar college (Autonomous), Melaiyur on November 2021/February 2022.
- Member board of studies for B.Sc Zoology held at Poompuhar College (Autonomous), Melaiyur on 04.08.2022.
- Appointed as an External Examiner for PG project evaluation and conducting viva-voce held at AVC college, Mannampandal between 15.07.2022 and 16.07.2022.
- **Judge for** Poster presentation at International conference on Conservation of natural resources and traditional siddha pharmacological approach for your future & DBT Foldscope workshop held on 12-14 December, 2018 organized by William Research Centre, Nagercoil, Tamil Nadu, South India.

Seminar/Conferences/Workshop Participated

- Webinar on “Our land, Our Future, We are Generation Restoration” organized by PG and Research Department of Botany, Holy cross College (Autonomous), Trichy on 5th June 2024.
- One day seminar on “Biodiversity of Andaman and Nicobar Islands” organized by the research and postgraduate department of Zoology, St. Thomas College (Autonomous), Thrissur

on 07.12.2022”

- National wildlife Week 2022 webinar on Biodiversity of Andaman and Nicobar Islands” organized by the Dept. of Zoology, V.H.N. Senthikumara Nadar College, Virudhunagar on 20.10.2022.
- World Ocean Day Symposium held online on 08.06.2022 organised by the Centre of Excellence in Marine Studies (CEMAS), University of Mumbai.
- Participated in Beach Cleanup Drive programme under aegis of swachhsagar surakshit sagar campaign initiated by Ministry of Earth Sciences, Government of India, on 10.09.2022.
- Two days “In-service Teacher Training” Programme in Lifesciences held at Govt. Arts College (Autonomous), Kumbakonam from 05.05.2022 to 06.05.2022
- One day National workshop titled “Digital Investment in India: Current trends and opportunities” Organized by the Unnat Bharat Abhiyan (UBA), Poompuhar College (Autonomous), Melaiyur on 09.04.2022
- A Two-week MOOC workshop for college teachers on Management of Environment and its Resources Jointly conducted by Department of chemistry and research, Nesmoni memorial Christian college, Marthandam and Department of chemistry and research St. Xavier’s College, Palayamkottai, Tirunelveli from 28th April to 11th May, 2020
- Participated in the National symposium on Insect diversity and Conservation 2020 organized by Entomology Research Institute, Loyola College, Chennai in collaboration with ICAR-NBAIR, Bengaluru and the PG & Research Dept. of advanced Zoology and Biotechnology, Loyola College, Chennai – 600 034 on February 13 & 14, 2020
- A One-day workshop on Dimensions and strategies of translation studies organized by the PG Department of English, Poompuhar College (Autonomous) held on 27th September 2019 at Melaiyur, Nagapattinam Dt.
- AIFUCTO XXXI Academic conference on the theme “Towards scientific and equitable education for all” and the seminar on “Education in India at crossroads: A critical review” held on 23rd, 24th & 25th November 2018 at Kanyakumari, Tamil Nadu.

TRAINING PROGRAMME

Faculty Development Programme (FDP)

Organized by: AICTE Training and Learning (ATAL) Academy Faculty Development Program on Biotechnology for Sustainable Development at R C Patel Arts Commerce and Science College Shirpur.

Duration: 6 days 06.01.2025 to 11.01.2025.

National Level Seven Days Upskilling Faculty Development Programme (Online Mode) Under UGC – Autonomy Grant

Organized by: Cluster Department of Life Sciences, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.

Duration: 21.02.2024 To 27.02.2024

Online Refresher Course (UGC- MMTTC Sponsored)

Place: Madurai Kamaraj University, Madurai

Duration: 14 days (07.12.2023 to 20.12.2023.)

Online Refresher Course (UGC Sponsored)

Place: Madurai Kamaraj University, Madurai

Duration: 14 days (02-11-2022 to 15-11-2022)

FDP Programme (under MHRD PMMMNTT)

“Advanced concepts for developing MOOCs”

Duration: Two weeks (02.07.2020 – 17.07.2020)

FDP Programme (under MHRD PMMMNTT)

“MANAGING ONLINE CLASSES AND COCREATING MOOCs: 2.0”

Duration: Two weeks (18.05.2020 – 03.06.2020)

Online Refresher Course (under UGC STRIDE Scheme)

Place: UGC, HRDC, Mizoram University
Duration: 14 days (07-07-2020 to 20-07-2020)

Orientation Course (UGC Sponsored)

Place : Bharathidasan University, Trichy
Duration : 28 days (23-08-2017 to 19-09-2017)

Online Certificate Courses

- Four Weeks International Online Faculty Development Programme on “**MICROBIOLOGY LABORATORY TECHNIQUES** (Phase I)” organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 04th September 2023 – 03rd October 2023
- Virtual faculty development programme on recent trends in Entomology organized by PG and Research Dept. of Zoology, V.O.Chidambaram College, Thoothukudi from 28th March to 2nd April 2022
- Four Week International Faculty Development Online certificate course on “**MEDICAL BACTERIOLOGY**” organised by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu in association with Microbiologist Society, India and laboratory of chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 1st -30th June 2020
- One week STTP on statistical analysis for research (online mode) organised by REST society for Research International (RSRI), Krishnagiri, Tamil Nadu from 18th – 22nd May 2020
- Online course on Vermiculture and Vermicompost technology organised by Arulmigu Palani andavar arts college for Women, Palani in association with Dr. N.N.T Research foundation from 11th – 13th May 2020.

REFERENCES

Dr. Juliet Vanitharani Professor and Head (Rtd.) Zoology Department and Research Centre Sarah Tucker College (Autonomous) Tirunelveli – 627007 Tamil Nadu, India	Dr. M. Narayanan Professor of Zoology (Rtd.) Former Vice-Principal of St. Xavier's College, and Former Controller of Examinations, Sadakathullah Appa College Palayamkottai. Tamil Nadu, India
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