

Bio-Data

Dr.M.Moorthi,
Assistant professor,
Department of Zoology and Wildlife Biology,
AVC College (Autonomous).
Mannampandal, Mayiladuthurai-609 305
Tamil Nadu, India.
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PERSONAL DETAILS

Name	:	Dr. M. Moorthi
Educational qualifications	:	M.Sc., M.Phil., Ph.D.
Date of Birth	:	15.05.1981
Sex	:	Male
Marital status	:	Married
Nationality	:	Indian
Languages Known	:	Tamil and English.

Research experiences: Zoology

2011- 2019	:	Vermiculture, Entomology, and Environment Science
2006 – 2011	:	“Bioconversion of Distillery Solid waste and other carbonaceous wastes using earthworm <i>Eudrilus eugeniae</i> ” (Vermiculture)
2004 – 2006	:	“A study on the efficacy of <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> in the control of developmental stages of mosquito <i>Anopheles stephensi</i> (Liston, 1901)”.
2002 – 2004	:	“A study on the efficacy of <i>Bacillus thuringiensis</i> in the control of <i>Aphid gossipii</i> (Glover) sucking pest”.

Research experiences: Wildlife Biology

1. Indian small grey mongoose (*Herpestes edwardsii*) 2016 -2019
2. Characteristics of nest site location and nests of three striped palm squirrel (*Funambulus palmarum*) in Kodaikanal, Southern Western Ghats, Tamil Nadu – 2018.
3. Population Structure and Feeding Habitat of Bonnet Macaque (*Macaca radiata*) in Kanyakumari Wildlife Sanctuary, Western Ghats, Tamil Nadu – 2017.
4. Aspects of the Habitat Ecology and Eco-Morphology of Asian Rock *Agamas laudakia* in Western Himalayas -2015.

Students Project Obtained

Year of Approval of Student Projects - 2017-2018

Project Code: **BS-048**, Amount: **Rs.10000/-**

Name: M Umamaheswari and R Vinotha **Guide :** M.Moorthi, (Science Stream – sl.no. 1to 91& 382 to 500) **Title:** Vermicomposting Of Organic Solid Wastes Using Earthworm *Eudrillus eugeniae*, Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai - 600 025.

On - going Research works

Ph.D. - 1
M.Phil. - 1

Book Publication:

Moorthi. M, Abbiramy. K.S and Senthil Kumar. A – 2017 “Basic Concepts of Vermitechnology”.
Publisher Authors, Printing & Typesetter Bhaarathi Digital Printerss, ISBN 987-93-5281-631-6. 147pp

Book Chapter Publication:

Mahaly Moorthi, Koilpathu Senthil Kumar Abbiramy, Arumugam Senthil Kumar and Karupannan Nagarajan- 2017 “Vermitechnology – An Eco-Biological Tool for Sustainable Environment, Biotechnology for Sustainability” *Achievements, Challenges and Perspectives Biotech Sustainability (2017), P41-50 ISBN: 978-967-14475-3-6; eISBN: 978-967-14475-2-9,*

Paper publications (International level):

Published:

A Thangaraj, S Muralidharan, A Senthil Kumar and **M Moorthi**: **2019**, The effect of textile dyeing effluents on the total free sugar levels of the Haemolymph of the different larvae of *Bradinopyga geminate*, *Journal of Entomology and Zoology Studies* 2019; 7(1): 1109-1112.

Thangaraj A, Muralidharan S, Senthilkumar S and **Moorthi M**: **2018**, Alterations in the Activity of Acetylcholine Esterase in the Dragonfly Larvae of *Bradinopyga Geminata* under the Stress of Selected Textile Dyeing Effluents *Int. J Zoo Animal Biol*, Volume 1 Issue 5, 1 -5

DOI: 10.23880/izab-16000129 ISSN: 2639-216X

K. S. Abbiramy, P. Ronald Ross, **M. Moorthi** and K. Chitrapriya: **2018**, EC50 of NPK fertilizers on *Eisenia fetida* (Savigny) by Avoidance, Behavioral Test, *Res J. Chem. Environ. Sci.* Vol 6 [4]August 2018: 48-53 online ISSN 2321-1040

Mahaly Moorthi and Ravichandran Srimathi **2018** Population Structure, Distribution And Feeding Habitat Of Bonnet Macaque (*Macaca Radiata*) In Kanyakumari Wildlife Sanctuary, Western Ghats, Tamil Nadu, India. *International Journal of Plant, Animal and Environmental Sciences*. Volume-8, Issue-3 July-Sept-2018 45-51

Moorthi Mahaly et al. 2018 Vermicomposting of distillery sludge waste with tea leaf residues *Sustainable Environment Research*. www.journals.elsevier.com/sustainableenvironment-research/ 28 volume 223-227.

A.Thangaraj,S.Muralidharan, A.Senthilkumar and **M.Moorthi**: 2017 The Physico-Chemical Characteristics of Different Textile Dyeing Effluents and Their Influence on the Total Protein Levels of Dragonfly Larvae *Bradinopyga Geminata* *International Journal of Scientific and Research Publications*, Volume 7, Issue 7, 534-538, July 2017 534 ISSN 2250-3153. www.ijsrp.org.

M.Moorthi, A,Senthikumar, A, Thangaraj ”A Study the effect of Biofertilizer Azotobacter Chroococcum on the Growth of Mulberry *Cropmorus Indica L.* and the Yield of *Bombyx Mori L*” *International journal of Environment, Agriculture and Biotechnology*, Vol 1 Issue 4 Nov-Dec- 2016 page 853 – 856.

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M. Moorthi, K. Nagarajan, A. Senthilkumar “ Vermi-technology of organic solid waste with using earthworm *Eudrilus eugeniae*” Journal of Zoology Studies 2016; 3(4): 48-51 ISSN 2348-5914

A. Senthil kumar, K. Nagarajan and **M. Moorthi** “ Microbial Reduction of Chromium (VI) in Tannery Waste Contaminated Soil through Optimum Concentrations of Biomass, Molasses and Mineral Medium using Miniature Reactor” *In, Jr of Scientific & Engineering Research*, P - 722 Vol 7, Issue 3, March-2016 , ISSN 2229-5518.

A. Senthil kumar, K. Nagarajan and **M. Moorthi** “ Determination of Maximum Reduction of the Hexavalent Chromium Using Indigenous Bacterial Isolates” *In, Jr, of Scientific and Research Publications*, P - 584 Vol - 6, Issue 4, April 2016 ISSN 2250-3153.

M.Moorthi and K.Nagarajan. “Biometric study on onion *Allium Cepa* in vermicaompost” *In.Jr.Universal Pharmacy and Biosciences*. 2(5):2319-8141(2013).

M.Moorthi and K.Nagarajan. “An assessment of microbial population in different combinations of vermicompost” *Mayur research Jr. Science & Humanities* Vol – IX (2013).

M.Moorthi and K.Nagarajan. “Biomangement of distillery solid waste using earthworm *Eudrilus eugeniae*” *Jr. of Industial Pollution Control*. 27 (2) : 169-172 (2011). 2319-8141(2013).

A.Senthikumar, **M.Moorthi**, N.Ramakrishnan,P.Dhanapakiam, V.K.Ramasamy and A.Rajarajeswari. “Efficacy of *Bacillus thuringiensis* var. *kurstaki* in the control of two mosquito species (*Anopheles stephensi* and *Culex quinquefasciatus*)”. *J. Environ. Biol.*, Volume: 30 (2/3) (2009).

P.Dhanapakiam, J.Minijoseph, V.K.Ramasamy, **M.Moorthi** and A.Senthilkumar “The cholesterol – lowering property of Coriander seeds (*Coriandrum sativum*) mechanism of action”. *J. Environ. Biol.*, Vol. 29 (1), 53-56 (2008).

M.Moorthi, A.SenthilKumar, A.Rajarajeswari, V.K.Ramasamy and P.Dhanapakiam.“Study on the efficacy of *Bacillus thuringiensis* var. *kurstaki* in the control of developmental stages of mosquito *Anopheles stephensi* (Liston, 1901)”. *Asian Jr. of Microbiol. Biotech. Env. Sc.*, Vol. 9, No. (4): 275 – 279 (2007).

Paper presentation in Conferences:

International Level:

M. Moorthi, 2019. An Investigation of Electrical Potential of Black Tea Waste and Its Enhancement Through Vermicomposting, The **IAPE'19** Conference Will Be Held In The King's Centre, Oxford, United Kingdom -18-19 March 2019(Abstract Publication).

M. Moorthi, 2019, An assessment of earthworm soil nutrients and ecological diversity of erode district, Tamil Nadu.International conference on Current Scenario Of Physiology and Behaviour (CSPB – 2019) Department of Zoology, Periyar University, Selam. February 22 & 23, 2019.

S.Sugunakala and **M. Moorthi 2019,** Identification of differently expressed *Eisenia fetida* embryo genes on exposure to cadmium (Cd) toxicant – An insilico approach International conference on CURRENT Scenario Of Physiology And Behaviour (CSPB – 2019) February 22 & 23, 2019.

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M. Moorthi and K.Nagarajan (2017). Diversity of Earthworm..... International Conference on Current Challenges in Conservation of Biodiversity held at PG and Research department of Zoology and Wildlife Biology –AVC College (Autonomous) Mannampandal, Mayiladuthurai.Held during 16th to 18th February, 2017.

M. Moorthi and K.Nagarajan (2016). “Converting Solid Distillery Waste Enriched with Carbonaceous Matter into Organic Manure by Vermicomposting”, International Conference on Scenario in Biological Innovations, held at Bharathidasan College of Arts and Science, Erode. Held during 27th and 28th September, 2016.

M.Moorthi and K.Nagarajan (2014). Physiological activity of earthworm *Eudrilus eugeniae.L* during vermicompost. Presented in “International Conference on Physiology and Medicine” held on 15th - 17th October 2014 at Department of Zoology, Periyar University, Salem.

M. Moorthi and Dr. K. Nagarajan (2011). Vermicomposting of distillery sludge with other carbonaceous wastes. Presented in “International Conference on Environment, Genes, Health and Diseases” held on 9th – 11th December 2011 at Human Molecular Genetics Laboratory, Department of Zoology, Bharathiar University, Coimbatore.

National Level:

M. Moorthi and R. Srimathi, **2019**, An Investigations of Electrical Potential of Black and Green Tea Waste and Its Enhancement Through Organic Fertilizer of Vermicomposting, National Conference on Innovation in life Sciences for Sustainable Environment organized by Department of Life Science, CHRIST (Deemed to be University), Mysore. Innovation in life Sciences for Sustainable Environment 2019 21-22 Feb-2019

S.Sugunakala and **M. Moorthi, 2019** Identification Of Potential Molecular Markers In *Eisenia fetida* Using Bioinformatics Approach, DST sponsored National level conference of biology and medicine organized by Department of Zoology and Human Genetics And Molecular Biology Bharathiar University, Coimbatore – 46, 07&08 Feb, 2019.

T. Divya, S. Thiripurasunthari and **M. Moorthi** (2016). Mosquito *Aedes Aegypti* Larvicidal Activity of Leaf Extract of Neem Tree (*Azadirachta indica*), National conference on The Current perspectives of Biosciences (SCCPBs – 2016) held on 20th February 2016 at PG and Research department of Zoology and Wildlife Biology –AVC College (Autonomous) Mannampandal, Mayiladuthurai.

M. Moorthi and K. Nagarajan (2016). An Assessment of Microbial Population in Different Combination of Vermicompost using Earthworm *Eudrilus eugeniae*, presented in National Conference on Trends in Healthcare and Biotechnology: Opportunities & Challenges (THBO – 2016) held on 22nd – 23nd January 2016 at PG and Research department of Zoology and Biotechnology –AVVM Sri Pushpam College (Autonomous) Poondi. Thanjavur.

M. Moorthi and K.Nagarajan (2015). Vermicomposting of distillery Solid Waste with Tea leaf residues using earthworm *Eudrilus eugeniae*. “National Conference on Vermitechnology in Human Welfare” held on 16th to 18th December, 2015., held at PG and Research department of Zoology Kongunadu Arts and Science College (Autonomous) Coimbatore.

M. Moorthi and K. Nagarajan (2015). Vermicomposting of water hyacinth using earthworm, presented in National Conference on Intellectual Property Rights in Biodiversity and Biotechnology (IPRBB-2015)

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held on 15th – 16th September 2015 at PG and Research department of Zoology and Biotechnology – AVVM Sri Pushpam College (Autonomous) Poondi. Thanjavur.

M.Moorthi and K.Nagarajan Vermicomposting of distillery Solid waste and Water hyacinth using earthworm *eudrilus eugeniae* L. Presented in National Conference on Research challenges in modern biological sciences (RCMBS – 2014). Feb 21st &22nd, 2014. at Chikkaiah Naicker College, Erode.

M. Moorthi and Dr. K. Nagarajan (2012). Vermicomposting of distillery solid waste with other carbonaceous waste. Presented in National Seminar Biotechnological approaches in aquaculture live aqua 2012 at Bharathiar University, Coimbatore.

M. Moorthi and Dr. K. Nagarajan (2012). Nutrient accumulation and growth study of onion *Allium cepa* L. in vermicompost. Presented in National Seminar on “Recent trends in Exploration, Achievement and Developments in Biological Sciences” held on March 9th and 10th, 2012 at Chikkaiah Naicker College, Erode.

M. Moorthi and Dr. K. Nagarajan (2009). Compost and Vermicomposting: A possible solution for distillery solid waste management using earthworm *Eudrilus eugeniae*. Presented in National Seminar on “Trends and Perspectives in Biotechnology” held on 29th January at Department of Biotechnology, Karpagam University, Coimbatore.

M. Moorthi and Dr. K. Nagarajan (2009). Vermicomposting on Distillery industrial waste: A possible solution of microbial enrichment. Presented in National Seminar on Man and Microbes held on 27th January at Bharathiar University, Coimbatore.

M. Moorthi and Dr. K. Nagarajan (2008). Upgradation of distillery sludge by composting and vermicomposting using *Eudrilus eugeniae*. Presented in National Seminar on Recent Trends in Aquaculture Practices – towards technological empowerment of aquaculture farmers held on 7th and 8th August at Bharathiar University, Coimbatore.

M. Moorthi, Dr. K. Nagarajan and A. Senthil kumar (2007). Vermicomposting: A possible solution for distillery waste management. Presented in National conference on *Environmental studies and Biodiversity* held on March 16 -17 at Sri Vasavi College, Erode.

International / National seminar/conference participated:

R. Srimathi and **M. Moorthi**, 2019. Decline Population of Bonnet macaque (*Macaca radiata*) in Kanyakumari Wildlife Sanctuary, National Seminar On Climate Change And Its Impact On Human Health and Wildlife- 28th February & 01st March 2019. Conducted by Zoology and Wildlife Biology, Govt, Arts College, Ooty.

R.Jaya Surya and **M. Moorthi**, 2019. Food Habits of The Indian Crested Porcupine (*Hystrix Indica*) In Amirthi Zoological Park, Tamil Nadu National Seminar On Climate Change And Its Impact On Human Health and Wildlife- 28th February & 01st March 2019. Conducted by Zoology and Wildlife Biology, Govt, Arts College, Ooty.

Proceeding:

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M. Umamaheshwari, R.Vinotha and **M. Moorthi**: **2018** Vermicomposting of organic solid wastes using earthworm *Eudrillus eugeniae* Proceedings Student Projects Scheme Seminar cum Exhibition (2017-2018) Tamil Nadu State Council For Science And Technology, Chennai. 20&21 July, 2018.

M. Moorthi, K. Nagarajan, A.Senthilkumar and A. Thangaraj: **2018**, Reduction of bioavailability of heavy metals during vermicomposting of distillery solid waste and other carbonaceous waste using *Eudrillus eugeniae*, Zoology Congress symposium 10-13/January/2018. St Xavier's College, Thirunelveli.

International:

M. Moorthi and K.Nagarajan (2016). “Converting Solid Distillery Waste Enriched with Carbonaceous Matter into Organic Manure by Vermicomposting”, International Conference on Scenario in Biological Innovations, held at Bharathidasan College of Arts and Science, Erode. Held during 27th and 28th September, 2016.

M. Moorthi, 2015 Participation in Soil health for sustainable future (SHSF-2015) held on December 03, 2015, at Department of Environment Science, School of Life Science, Periyar University, Salem.

National:

M. Moorthi and K. Nagarajan (2015). Vermicomposting of vegetable waste and water hyacinth.... on National seminar on Resent trends in Biological Sciences (NSBS – 2015) held on 26th August 2015 at PG and Research Department of Zoology, Government Arts College (Men) Krishnagiri Organized by PG and Research Department of Zoology.

T.A.Shaheer, **M. Moorthi** and Hema Somanathan (2015). Influence of prey size on prey capture by social spider... on National seminar on Resent trends in Biological Sciences (NSBS – 2015) held on 26th August 2015 at PG and Research Department of Zoology, Government Arts College (Men) Krishnagiri Organized by PG and Research Department of Zoology.

M.Moorthi, Participated National seminar on “Genes, Environment and Cancer (GEC, 2007)” organized by Department of Zoology, Bharathiar University, Coimbatore, Tamil Nadu held on January 2007.

M.Moorthi, UGC-Sponsored National Seminar on Biosecines and conservation NABCON – 14 10th and 11th March, 2014.

Workshop Attended:

Mahaly Moorthi* and Nagarajan Baskaran, 2018. Title State Of Vulture Population And Its Need For Awareness Among Public About The Role of Vultures In The Ecosystem Workshop on Securing Vulture Population In Southern India. (National level) (SVPSI) – 2018, on 08 and 09 January, 2018. (Abstract Published). Conducted by Zoology and Wildlife Biology, Govt, Arts College, Ooty.

Attended British Council UK/IN Active Citizens Facilitator Development Workshop supported by Bharathidhasan University Tiruchirappalli, Tamil Nadu 17 – 21 August 2017

Attended A State Level Workshop on Organic Farming Production, Organized by PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Thiruchirappalli, 27th and 28th February 2017.

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Attended Science Academies” Education Programmes , Lecture workshop in Biology Research, Organized by PG and Research department of Botany, AVC College (Autonomous) Mannampandal, Mayiladuthurai. Held during 23th to 24th January, 2017.

Attended a UGC-Sponsored on State level workshop on 'Vermiculture and Mushroom Cultivation and their uses' conducted by the department of Botany and Zoology, Mannai Rajagopalasamy Govt. Arts College, Mannargudi on 7th and 8th January, 2015.

Attended a workshop on “Cellular Functions & Microscopy” organized by the Department of Biotechnology, Karpagam University, Coimbatore, Tamil Nadu, India in association with Lawrence & Mayo, Chennai, Tamil Nadu, India on 8th March, 2012.

Editor of the Journal:

The Associate Editorial Board member for the [International Journal of Zoology and Animal Biology \(IZAB\)](#), Associate Editorial Board member Profile link: <https://medwinpublishers.com/IZAB/editorial-board.php>.

Reviewer of Manuscripts:

- Ref: HELIYON_2018_7510, Heliyon - Journal - [Elsevier](#)
Title of paper: Assessment of qualitative enrichment of organic paper mill wastes through vermicomposting: Humification factor and time of maturity.
- Subject : Ref: Consent letter for Review MRN- 999 (2018), [Journal of Environmental Biology \(JEB\)](#), Entitled, “Metabolomic profile changes and growth of *Moringa oleifera* L. cultivated with vermicompost in agricultural and native soils”
- Subject: Ms_IJPSS_42986 (2018): Review Manuscript for [International Journal of Plant & Soil Science](#) Title: Potential of local earthworms and *Eisenia fetida* feeding various organic substrates during vermicomposting to maintain adequate earthworm biomass and nutrient rich vermicompost.
- Manuscript Number JASP-02.02.18-069, (2018) [Journal of Agricultural Science and Practice \(JASP\)](#), Title:Effect of biozote, humic acid and vermicompost on physicochemical properties of soil and plant ionic concentration of three months olive sprouted cuttings under saline conditions.
- Manuscript Number: 242-1916-1-SM (2015) , [International Journal of Pure and Applied Zoology](#), Title: Larvicidal Activity of Indian Medicinal Plants on The Dengue Fever Mosquito, *Aedes aegypti* Linnaeus

Orientation Course:

Participated in UGC Sponsored 108th Orientation programme conducted by the UGC – Human Resource Development Centre formerly UGC –Academic Staff College, Bharathiar University Coimbatore from 06-05-15 to 02-06-15.

NSS Orientation Course:

Completed 7 days “Orientation Course” for NSS Programme Officers at Empanelled Training Institution (ETI) – Madras School of Social Work, Chennai on 28th Oct to 03rd NOV 2014.

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Refresher course:

Participated in Refresher course in Life Science UGC – Human Resource Development Centre formerly UGC –Academic Staff College, Pondicherry University from 05-12-17 to 26-12-17.

Guest Lecture / NSS - Invited talk:

Gave an invited talk on “Vermiculture” Conducted by the Special NSS Camp at Vivekanandha College (Autonomous) Sirkali on 26th March, **2019**.

Gave an invited talk on “Environmental Awareness and Vermiculture” conducted by the Special NSS Camp at Govt. Arts College (Autonomous) Ariyalur on 25th February, **2019**.

Gave an invited talk on “Environmental Awareness An Essential need for Survival” Conducted by Eco Club Sree Ragaventhira Arts and Science College, Chidambaram on 14th February, **2019**.

Delivered lecture on “Wild Animal Identification Techniques for Animal Census program on 07th to 08th February **2019** at Point Calimere Wildlife Sanctuary, Kodiakkarai, Vedaranyam .Tamil Nadu.

Gave an invited talk on “Vermiculture, Lab to land programme” conducted by PG & Research Department of Zoology and Wildlife Biology. AVC College (Autonomous), Mayiladuthurai – 26th & 27th March 2018,

Gave an invited talk on “Vermiculture” Sponsored by TNSCST, conducted by Dharmapuram Gnanambigai Govt. Arts College, (Women) Mayiladuthurai on 03rd October, 2017.

Gave an invited talk on “Vermiculture” conducted by the Special NSS Camp A.V.C. College (Autonomous) Mayiladuthurai on 27th March, 2017.

Delivered lecture on “Wild Animal Identification Techniques on 24th to 25th March 2017 at Point Calimere Wildlife Sanctuary, Kodiakkarai, Vedaranyam .Tamil Nadu.

Gave an invited talk on “Vermiculture” conducted by the Special NSS Camp Marudupandiyar Arts and Science College, Thanjavur on 27th February, 2017.

Gave an invited talk on “Vermiculture” conducted by the Special NSS Camp Dharmapuram Gnanambigai Govt. Arts College, (Women) Mayiladuthurai on 08th January, 2017.

Delivered lecture on “Wild Animal Identification Techniques on 03.04.2016 at Point Calimere Wildlife Sanctuary, Kodiakkarai, Vedaranyam .Tamil Nadu.

Gave an invited talk on “Vermiculture” conducted by the Special NSS Camp, Marudupandiyar Arts and Science College, Thanjavur on 21th March, 2016 .

Delivered lecture on ‘Vermiculture’ in UGC-Sponsored State level workshop on 'Vermiculture and Mushroom Cultivation and their uses' conducted by the department of Botany and Zoology, Mannai Rajagopalasamy Govt. Arts College, Mannargudi. held on 7th and 8th January, 2015.

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Gave an invited talk on 'Vermiculture' at Special NSS Camp programme on the theme of "Health, Public Health And Individual Hygiene" Organized by A.V.C. College (Autonomous) Mannampandal, Mayiladuthurai at Sozhanpettai village, Mayiladuthurai slum from 20-01-2015 to 26-01-2015.

Gave an invited talk on 'Vitamin nutritional deficiency disease' for village people on 07.08.2014 at Kodamkodi.

Award of Best Oral Presentation:

Awarded as best oral presentation in "National Conference on Vermitechnology in Human Welfare" held at PG and Research department of Zoology, Kongunadu Arts and Science College (Autonomous) Coimbatore on 16th to 18th December, 2015.

Doctoral Committee Members:

Doctoral Committee member for the candidate Mr.V.Duraimurugan Department of Zoology, T.B.M.L. College, Porayar – 609 307

General Election Presiding Officer:

I was appointed to work in 162 – Poompuhar, (Karuvi) Ward No- 20 Assembly constituency for the general election to Tamil Nadu legislative Assembly held on 16th May, 2016.

Project Guidance:

Projects Guided for M.Sc. Zoology students,

- Characteristics of nest site location and nests of three striped palm squirrel (*Funambulus palmarum*) in Kodaikanal, Southern Western Ghats, Tamil Nadu – 2018.
- **Population Structure and Feeding Habitat** of Bonnet Macaque (*Macaca radiata*) in Kanyakumari Wildlife Sanctuary, Western Ghats, Tamil Nadu – 2017.
- Who connected to whom? A **social networking** analysis of **social spiders** -2016.
- Aspects of the **Habitat Ecology and Eco-Morphology** of Asian Rock **Agamas laudakia** in Western Himalayas -2015.

Chaired Session:

- Chaired session in National Conference on Research challenges in modern biological sciences (RCMBS – 2014). Feb 21st & 22nd, 2014. at Chikkaiah Naicker College, Erode.

Biological Flora Award:

- Biological Flora Award in National Conference on 'Research challenges in modern biological sciences (RCMBS – 2014)' on Feb. 21st & 22nd, 2014. at Chikkaiah Naicker College, Erode.

Executive Committee Member:

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- Executive committee member in National Conference on 'Research challenges in modern biological sciences (RCMBS – 2014)' on Feb. 21st & 22nd, 2014 at Chikkaiah Naicker College, Erode.

Examination Committee Member:

- As Examination Committee member from 2014-18 at A.V.C. College (Autonomous) Mannampandal.

Sports Council Member:

As Sports council member from 2015-18 at A.V.C. College (Autonomous) Mannampandal.

PEKAK Editorial Board Member:

As member in the The PEKAK Editorial Board from the academic year 2019 onwards at A.V.C.College (Autonomous) Mannampandal.

Participation in Training Programme:

Participated in Eco-Friendly And Sustainable Sharimp/Prawn Framing/ Diversified Aquaculture Organized By The Marine Products Export Development Authority (Ministry of Commerce and industry, govt. of India) regional centre (aquaculture), Nagapattinam. from 25.02.2014 to 01.03.2014 at A.V.C. College (Autonomous), Mannampandal.

Participation in Interaction Programme :

Participated in UGC sponsored "Interaction Programme for Ph.D. Scholars / Post Doctoral Fellows (Science)" held at UGC-Academic Staff College, Bharathiar University, Coimbatore from 05.03.2009 to 25.03.2009.

Young Student Scientist programme camp:

Volunteered "Young student scientist programme camp" held at Sri Vasavi College supported by Tamil Nadu state Council for Science and Technology, Tamil Nadu from 05.05.2010 to 24.05.2012.

Faculty Development Programme:

Attended 'Effective teaching methods' from 21st to 31st October, 2013 and 'Winter School for English Communication for College Teachers' from 11th to 22nd November, 2013.

Question Paper Scrutinization:

- The UG Question paper scrutinization on 17th March 2016. Bharthiar university, Coimbatore.
- The UG Question paper scrutinization on 13th October 2014, Bharthiar university, Coimbatore.

Participation in Bird Census:

Participated in the Annual Bird census at Point Calimere Wildlife sanctuary on 02.04.2016 to 03.04.2016. Tamil Nadu Forest Department. Wildlife Division, Nagapattinam.

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Participated in the Annual Bird census at Point Calimere Wildlife sanctuary on 30.01.2015 to 31.01.2015. Tamil Nadu Forest Department. Wildlife Division, Nagapattinam.

Membership:

Member in the Organization for Industrial, Spiritual and Cultural Advancement-International (OISCA) 2011 onwards. NGO in Consultative status with the United Nations Economic and Social Council.

NSS Programme Officer:

NSS Programme Officer for a NSS Unit for the period of four years from the academic year 2014-18 at A.V.C. College (Autonomous).

Nodal officer:

Appointed as Nodal Officer for *Swachh Bharat* Summer Internship Programme, for the academic year 2018 at A.V.C. College (Autonomous) Mannampandal.

Computer knowledge:

- Basic knowledge of Microsoft word, Power point and Excel.
- Tally 7.2
- RedHat Certified Engineer (RHCE).