



NAME Dr. Ananthi Rachel Livingstone

DESIGNATION Assistant Professor

EDUCATIONAL QUALIFICATION M.Sc., Ph.D

SPECIALIZATION Entomology, Biodiversity

AWARD/ DISTINCTION

Advisor of the Institutional Animal Ethics Committee, Orchid Chemicals and Pharmaceuticals Limited, R&D Centre, Sozhanganallur

POSITIONS HELD IN MCC & OTHER BODIES

Member Editorial committee of the College Magazine, M.C.C. Research Vol 1, 1991 – 1992.

As **Secretary** Staff Wives And Women Staff –Association Madras Christian College. (2004-06)

As **Vice President** Zoological Society, Department of Zoology, Madras Christian College, since 2010-2012, 2014-2017 May.

As **M.Phil. Staff In-Charge** of the department for the academic year 2014-15

As **Academic Council Member** of the College from 2016-2018.

As **Chairman, Board of Exams**, Department of Zoology, Madras Christian College for the academic year 2017-18.

As **President , Zoological Society**, Department of Zoology, Madras Christian College for the academic year 2017-18.

As **External Examiner** to conduct End of Semester Practical Examinations at JBAS College for Women and Queen Mary's College.

As **External Examiner -Question paper setting** for Lady Doak College, Madurai, Bishop Heber College, Trichy and Women's Christian College, Chennai.

As **External Examiner for paper Valuation** at University of Madras, Chennai.

As **Member of the Planning and Development** Committee of the Department.

As **Staff In-charge of Admissions of the department** from 2013-18 for UG and PG-2016.

As **Member of the Board of Examiners** of the Department.

As **Department representative– Nodal Officer** for IQAC

Assisted in the conduct of Internal Exam and ESE Practical Examinations of the Department from 2007 till 2017

PARTICIPATION AND PRESENTATION IN CONFERENCE/ SYMPOSIUM/ SEMINAR

Presented a paper on Analysis of water at the National Seminar on “Recent Trends in Biological Sciences” organized by the Post-Graduate and Research, Department of Zoology, Pachaiappa’s College, Chennai on 23rd September, 2009.

Biodecolourization of Congo red and Methyl orange by *Escherichia coli* -**Poster Presented** at the National Conference on Environmental Protection and Management held at Loyola College, Chennai-600 034 on 29th & 30th August, 2011

Urbanization and its environmental impact on water channels leading to Velachery lake –**Paper presented** at BIOTRENDS-2012 held at IIT Madras on 12th and 13th October, 2012.

Participated and presented a paper on Littering a social illness its impact on the ecosystem and influence of education. National Conference on Zoology for Future Education and Research, at Queen Mary’s College, Chennai on 23rd and 24th January, 2014.

Participated and **presented a paper** on Littering a social illness its impact on the ecosystem and influence of education. National Conference on Zoology for Future Education and Research, at Queen Mary’s College, Chennai on 23rd and 24th January, 2014.

Presented a paper on Biological plasticity of Tilapia helps it to establish in diverse habitats organized by Young Scientists conference on faunal diversity held by SECNARM, Loyola College, Chennai on 5th and 6th of December, 2016.

Presented a paper on Butterfly diversity in relation to climatic change in East Tambaram organized by Young Scientists conference on faunal diversity held by SECNARM, Loyola College, Chennai on 5th and 6th of December, 2016.

Presented a paper on Conservation of natural predators in Agroecosystem organized by Young Scientists conference on faunal diversity held by SECNARM, Loyola College, Chennai on 5th and 6th of December, 2016.

Poster presented on Efficacy of allomones as a biopesticide in control of *Henosepilachna vigintioctopunctata* pest population. International Symposium on Recent Advances in Comparative Endocrinology. November 29 – December 01, 2017. Madras Christian College, Chennai.

Poster presented on Sex determination in butterflies. International Symposium on Recent Advances in Comparative Endocrinology. November 29 – December 01, 2017. Madras Christian College, Chennai.

PUBLICATION

1)Ananthi Rachel.L&M.Gladstone (1993) Biodiversity of Pentatomid Fauna of the Scrub Ecosystem of MADRAS CHRISTIAN COLLEGE, Tambaram Campus, INDIA M.C.C. Magazine, Research Vol. – LVIII (1): 57 – 72.

2)David Livingstone &A.R.Livingstone (1996) Prospects of Controlling the Mexican Weed *Lantana* by using the Mexican lace bug *Teleonemia scrupulosa* Stal (Heteroptera: Tingidae).Biological and Cultural Control of Insect pests, an Indian scenario (Ed.) Dunston P.Ambrose. 1996 pp.255 - 261

3)Livingstone, D., S.Jeyanthi Bai, M.H.S.Yacoob& A.R.Livingstone (1997) Tingifauna of Southern India: Pattern of distribution; Host plants; Natural enemies and Generic key.Journal, Bombay Natural History Society, Vol. 94(2): 283 – 297.

4)Livingstone, A.R. and David Livingstone (2004). Systematics and phylogenetic biodiversity of Tingidae(Insecta: Heteroptera) Insect Biosystematics. Dr. T.C. Narendran. Commemoration volume.P.407-420.

5)Livingstone, A.R. and David Livingstone (2005). TheTingifauna of Indian Region , Their host plants, feeding strategies and nutritional ecology. Uttar Pradesh J. Zool. 25(2) : 113-137.

6)Ananthi Rachel Livingstone and David Livingstone (2006). Systematics of Tingidae on the basis of nymphalchaetotaxy J.Bombay Nat. Hist. Soc. Vol. 103 (1) pp.13-32.

7) Ravikumar M., Jeyanthi Rebecca L.,Xavier Suresh and Ananthi Rachel L.(2012). Toxicological analysis on EGFR Protein Inhibitors (Clerodane) using TOPKAT analysis.International Journal of Pharma and BiosciencesVol.3(4): (B)734-739,ISSN:0975-6299.

8) Ravikumar M., Jeyanthi Rebecca L., Xavier Suresh, Ananthi Rachel L. (2012). Toxicological analysis on the EGFR protein inhibitor (Iressa2) using TOPKAT.Int.Journal of Pharmacy and Pharmaceutical Sciences. Vol.4,339-341. ISSN:0975-1491.

9) Ravikumar M., Jeyanthi Rebecca L., Xavier Suresh M., Ananthi Rachel L.(2011) Structure based drug design of lung cancer EGFR protein inhibitors. Int. Journal of Applied Bioengineering.Vol.5(2) 19-24.

10) Ravikumar M., Rebecca L.Jeyanthi, Suresh Xavier and Rachel L. Ananthi (2012) Toxicological study on the EGFR protein inhibitor (IRESSA 1) using TOPKAT. Int. Journal of Pharmaceutical Sciences and Research Vol. 3(12): 4769-4772.ISSN: 0975-8232.

11) Ravikumar M., Jeyanthi Rebecca L., Xavier Suresh and Ananthi Rachel L.(2012). Toxicological analysis on EGFR protein inhibitors (Clerodane and Iressa 2) using TOPKAT analysis. Journal of Chemical and Pharmaceutical Research Vol.4 (6): 3249-3253. ISSN: 0975-7384.

- 12) Ravikumar M., Xavier Suresh, Jeyanthi Rebecca L., Ananthi Rachel L. (2012). Structure based drug design of lung cancer EGFR protein inhibitor (Clerodane). Journal of Scientific Research in Pharmacy Vol.1 (2) 109-112. ISSN: 2277-9469.
- 13) BincyBabu and Ananthi Rachel Livingstone (2014). Molecular identification of the scutellerid bug *Scutellera nobilis*(Fabricius) (Hemiptera: Pentatomoidea) for biodiversity studies. Int. J. Bioassays, 2014, 3 (3), 1813-1816.ISSN:2278-778X.
- 14) Monica,R.D. and Ananthi Rachel Livingstone (July,2014). A study on the insect diversity using Simpson's Diversity index (SDI).Eduventure Research Journal of Queen Mary's College–Vol.7 Issue: 2 ISSN: 2319-1791, 91-94.Jeeva R. and Ananthi Rachel Livingstone (July, 2014). Efficacy of *Azotobacter vinelandii* in crude oil degradation. Eduventure Research Journal of Queen Mary's College–Vol.7 Issue: 2 ISSN: 2319-1791, 95-97.
- 15) Rosella Daniels and **Ananthi Rachel Livingstone** (2014). Influence of Natural Habitat on diversity of Birds in South Chennai. Newsletter for Birdwatchers 54 (4), 2014.
- 16) Kalaiyarasi L, **Ananthi Rachel Livingstone** (April, 2015) Potential Effects of Herbal Preparation of *Eucalyptus lobulus*and *Anacardium occidentale* on Sustainable control of grubs of *Henosepilachna vigintioctopunctata*(Fab.) on *Solanum melongena* Plant. Journal of Entomology and Zoology Studies 2015; 3 (2): 374-376 E-ISSN: 2320-7078 P-ISSN: 2349-6800
- 17) Kalaiyarasi L, **Ananthi Rachel Livingstone** (July, 2015) Evaluation of A Few Botanical Insecticides against the Insect Pest *Henosepilachna vigintioctopunctata* (Fab.) On *Solanum melongena* Plant. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 8, Issue 7 Ver. III (July. 2015), PP 63-67
- 18) Anna Abey, Ananthi Rachel Livingstone (2015) Littering– A social illness, its impact on the Ecosystem and influence of Education. Zool. Surv. India Zoology for Future Education and Research: 215-218, 2015
- 19) Kalaiyarasi L, Ananthi Rachel Livingstone and Madhanagopal R (2017). Effect of weather parameters on the incidence of different life stages of a serious pest *H.vigintioctopunctata* (Fab.) on brinjal in Chennai locality, India. Journal of Entomology and Zoology Studies 2017;5(4):1520-1525
- 20) Kalaiyarasi L, Ananthi Rachel Livingstone and Miracline S.F (2017).A report on the predatory behaviour of stink bug *Eocantheconafurcellata* Wolff (Hemiptera :Pentatomidae) on the eggs and grubs of *Henosepilachna vigintioctopunctata*. International Journal of Recent Scientific Research Vol. 8, Issue,8,pp.19550-19554, August, 2017
- 21) Pavithra . S and Ananthi Rachel Livingstone (2017).Climate change and its impacts on Butterfly in and around Kanchipuram district, Tamil Nadu. International Journal of Recent Scientific Research Vol. 8, Issue,9,pp.20311-20314, September, 2017
- 22) Kalaiyarasi L, Ananthi Rachel Livingstone (2018). Relevance of temperature and host plants on the lifecycle of *Henosepilachna vigintioctopunctata*. International Journal of Zoology Studies ISSN: 2455-7269, Volume 3; Issue 2;March 2018, Page No.213-217.Impact Factor: RJIF 5.14.

RESEARCH GUIDANCE

Recognized **M.Phil. Guide** by the University of Madras since May 2013.

Recognized **Ph.D Guide** by the University of Madras since April 2015. Have 6 Research Scholars.

ANY OTHER

Orientation and Refreshers courses attended :

Attended a **Refresher course** in Value Education sponsored by UGC from 21.01.2004-14.02.2004.

Attended a **Refresher course** in Recent Trends in Life Sciences sponsored by UGC at the Academic Staff College, University of Madras from 01.02.13-21.02.2013.

Attended a **Refresher Course** in Environmental Sciences-“Our Environment-Scientific and Social Obligations Batch-VI, sponsored by UGC at the Human Resource Development Centre, University of Madras from 07.07.2015-27.07.2015.

Orientation Course : Attended an **UGC sponsored Orientation Course** at Academic Staff College, University of Madras, Chennai from 6th August to September 2, 2010

Participated in the National Level Instructional Workshop on Geoinformatics tools for Biodiversity, environment and Health care management from 9th – 13th February 2016 (5Days) organized by the Environmental Monitoring Research Laboratory, PG & Research Department of advanced Zoology and Biotechnology, Loyola College (Autonomous), Chennai.

CONTACT DETAILS

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