

# Dr. A. Stephen



Assistant Professor,  
Department of Botany,  
St. Joseph's College  
(Autonomous),  
Bengaluru – 560 027,  
INDIA

## PROFILE

### Professional Qualification

- **Ph.D.** in **Botany**, University of Madras, 2010  
Title: "*Pollen Analysis of Lake Sediments, Surface Soils and Leaf Trait Measurements in the Eastern Ghats, India*" - thesis Submitted in February 2010, Awarded in April 2011, Highly Commended.
- **M.Sc.** in **Botany**, Madras Christian College (Autonomous), University of Madras, 2004, I Grade.
- **B.Sc.** in **Botany**, Madras Christian College (Autonomous), University of Madras, 2002, I Grade.
- **DELTA A1 & A2**, National Ministry of Education, France, 2009 & 2010, I Grade.
- **CCDM**, Certificate course on Climate Change and Disaster Management, World Bank Institute Distance learning Natural Disaster Risk Management program, 2011, I Grade.
- **le-CCC** - Certificate on Introductory e-course on Climate Change, Awarded by United Nations Institute for Training and Research (UNITAR), 2014.

### Academic Experience

- **02 Jan. 2019 - Present**, Assistant Professor in St. Joseph's College, Bengaluru.
- **09 June 2017 - 30 Nov.2017**, Assistant Professor in TransDisciplinary University, Bengaluru.
- **02 Sep. 2013 - 31 May 2017**, Assistant Professor in RKM Vivekananda College, Chennai.
- **11 Mar. 2013 - 31 May 2013**, Guest Lecturer in Madras Christian College, Chennai.
- **01 Apr. 2012 - 28 Feb. 2013**, Research Associate in French Institute of Pondicherry, Puducherry

- **15 Dec. 09 - 31 Mar. 2012**, Senior Research Fellow in French Institute of Pondicherry, Puducherry
- **01 Jan. 06 - 14 Dec. 2009**, Research Assistant in French Institute of Pondicherry, Puducherry
- **06 Dec. 2004 - 01 Dec. 2005**, Project Assistant, P.I. of DST Project: Dr. R. Raghavendra Rao, at Central Institute of Medicinal and Aromatic plants, Resource Centre, Bangalore.
- **09 Sep. 2004 - 30 Nov. 2004**, Project Fellow, at Scarascia Mugnozza Genetic Resources Centre, M. S. Swaminathan Research Foundation, Chennai.

## Courses Taught

- **Assistant Professor** in the **Department of Botany, St. Joseph's College (Autonomous), Bengaluru** from **02.01.2019** to **till date** and handled assigned classes for students of Botany at the level of B.Sc. and M.Sc. (Plant Taxonomy, Ecology, Ethnobotany, Plant Physiology, Embryology, Plant Anatomy, Pteridophytes, Gymnosperms, Palaeobotany and Techniques in Plant Biology).
- **Assistant Professor** in the **School of Liberal Arts and Sciences, The Institute of TransDisciplinary Health Sciences and Technology (TransDisciplinary University), Bengaluru, India** from **09.06.2017** to **30.11.2017** and handling assigned classes for students of Life Science (Conservation Science) at the level of B.Sc. and M.Sc. (Life Science - Conservation Futures).
- **Assistant Professor** in the **PG and Research Department of Botany, Ramakrishna Mission Vivekananda College (Autonomous), Mylapore, Chennai** from **02.09.2013** to **31.05.2017** and handled assigned classes for students of Plant Biology and Plant Biotechnology at the level of B.Sc. and M.Sc. (Plant Taxonomy, Ecology, Plant Physiology, Plant Anatomy, Biochemistry, Molecular Biology, Plant Breeding, Pteridophytes, Gymnosperms, Techniques in Plant Biology and Allied Botany).
- **Guest Lecturer** in the **Department of Botany, Madras Christian College (Autonomous)**, from **11.03.2013** to **31.05.2013** and handled assigned classes (Basic Biochemistry and Allied Botany).

## Research Interests/Achievements

- **Palynology and Palaeobotany, Plant Systematics, Ecology and Disaster Management, Biodiversity, Ethnobotany and Economic Botany, Seed Ecophysiology and Pharmacology, Biochemistry and Histochemistry, Water Quality Analysis**
- **Publications in Journals, Proceedings and papers presented in conferences** : 78
- **Conferences attended** : 24

## Research Experience

- Recently, worked on biochemical aspects of endophytic fungi from different medicinal plants and mushrooms in collaboration with Dr. S. Kumaresan and his research scholars from **Department of Botany, Ramakrishna Mission Vivekananda College**, Chennai.

- Recently, worked on biochemical aspects of rhizomatous Zingiberaceae members from southern Western Ghats in collaboration with Mr. R. Suresh, a doctoral research scholar from **Department of Botany, Scott Christian College (Autonomous)**, Nagercoil, Tamil Nadu, India.
- Recently, worked on Taxonomic and Ecologic aspects of Flora of Thiruvannamalai Reserve Forest in collaboration with Mr. M. Pandian, a doctoral research scholar from **Department of Plant Biology and Plant Biotechnology, G.S. Gill Research Institute, Gurunanak College**, Chennai.
- Research Associate in the **Department of Science & Technology (DST)** (Govt. of India) funded major research project on “Pollen Analyses of Quaternary Sediments: reconstructing vegetation and environment history in the Cauvery Floodplains” at **French Institute of Pondicherry (IFP)**, Puducherry, from **01.04.2012** to **28.02.2013** under the supervision of Dr. K. Anupama.
- Senior Research Fellow in the **Department of Science & Technology (DST)** (Govt. of India) funded major research project on “Pollen Analyses of Quaternary Sediments: reconstructing vegetation and environment history in the Cauvery Floodplains” at **IFP**, Puducherry, from **16-12-2009** to **31.03.2012** under the supervision of Dr. K. Anupama.
- Research Project Associate in the **National Remote Sensing Agency (NRSA)** sponsored project entitled “Modern Pollen Rain in the Eastern Ghats for Reconstruction of Paleovegetation and climate - Application of Remote Sensing and GIS Techniques” at **IFP**, Puducherry from **01-01-2006** to **15.12.2009** under the supervision of Dr. K. Anupama.
- Research Project Assistant in the **Department of Science & Technology (DST)** (Govt. of India) funded major research project on “Bioprospection of the wild flora of Western Ghats for search of potential aromatic crops” at **Central Institute of Medicinal and Aromatic Plants (CIMAP)**, Resource Centre, Bangalore from **06-12-2004** to **01-12-2005** under the supervision of Dr. R. Raghavendra Rao.
- Worked as a Research Fellow in the project entitled “Documentation of Indigenous Technical Knowledge” at Scarascia Mugnozza Genetic Resources Centre, **M. S. Swaminathan Research Foundation (MSSRF)**, Chennai, from **09-09-2004** to **30-11-2004** under the supervision of Dr. M. Geetha Rani.
- Four and half years of research experience from 2006 to 2010 in collecting data on modern and fossil pollen spectra, floristics, and ecophysiological trait measurements on tropical woody plant species in the Eastern Ghats, India for my Ph.D. program. I have submitted my doctoral thesis entitled **“Pollen Analysis of Lake Sediments, Surface Soils and Leaf Trait Measurements in the Eastern Ghats, India”** under the supervision of Dr. C. Livingstone, **Department of Botany, Madras Christian College (MCC)**, Chennai (2005-2010) and awarded Ph.D. in April 2011.
- Done a minor project on **“Floristic inventory and environmental impact assessment of Chemplast Sanmar (p) Ltd., a chemical industry in Mettur, Salem District”** in collaboration with Dr. D. Narasimhan, **Department of Botany, MCC (2002-2003)**.
- Also worked on water quality analysis of fresh water ecosystems of Chennai and its environs in collaboration with Dr. R. Raveen and his research scholar Dr. C. Chennakrishnan from **Department of Zoology, MCC**.
- Also worked on the ecology of mangrove vegetation of Puducherry in collaboration with Dr. N. Ayyappan from **Department of Ecology, IFP**, Dr. G. Muthusankar **Geomatics and Applied**

**Informatics Laboratory, IFP, Mr. J. Presena, Department of Biological Science, Indira Gandhi College of Arts & Science, Puducherry.**

- I have studied **"Seed Ecology of *Syzygium cumini* (L.) Skeels. (Myrtaceae)"** for my M.Sc. Dissertation under the supervision of (Late) Prof. P. Joel Christopher, **Department of Botany, MCC (2003-2004).**
- Also worked on **Palaeoecology of Palar basin** in collaboration with Dr. Anil Agarwal and Dr. A. Rajanikanth from **Birbal Sahni Institute of Palaeobotany (BSIP), Lucknow.**

## Publications

- Mohapatra, P. P., **Stephen, A.**, Prasad, S., Singh, P. and Anupama, K. **2019.** Late Pleistocene and Holocene Vegetation changes and anthropogenic impacts in the Cauvery delta plains, Southern India. *Quaternary International*, 507: 249-261 (ISSN: 1040-6182).
- Karthi, V., Ram kumar, A., Ramesh, R., **Stephen, A.** and Kumaresan, S. **2019.** Isolation, Identification and Optimization of Cellulase Producing Bacteria from Forests of Western Ghats, India. *Journal of Emerging Technologies and Innovative Research*, 6 (4): 240-247 (ISSN: 2349-5162).
- **Stephen, A.** and Ravikumar, K. **2019.** Biological Diversity: Who Owns. In: *Proceedings of National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach"*, Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai.
- **Stephen, A.** and Ravikumar, K. **2019.** Facets of Biodiversity and its Conservation. In: *Proceedings of National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach"*, Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai.
- Anusree, K., **Stephen, A.** and Ravikumar, K. **2019.** Phytochemical, Pharmacological Investigations and Identification of herbaceous species of *Phyllanthus* L. (Phyllanthaceae) in India - a Critical Appraisal. In: *Proceedings of National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach"*, Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai.
- Venkataraman, K., **Stephen, A.** and Srinivasulu, S. **2018.** Biodiversity Register of Anna University. *Coast Track*, Special edition for Green Skill Development Program of IOM-ENVIS - 2018, 1-303 (ISSN 2393-8978).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. **2018.** In vitro antibacterial activity of methanolic extract of wild mushrooms from southern Western Ghats, India. *International Journal of Phytopharmacy Research*, 9 (1): 32-39 (e ISSN 2249-7544; Print ISSN 2229-7464).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. **2018.** Antioxidant activity of some wild mushrooms from southern Western Ghats, India. *International Journal of Pharmaceutics and Drug Analysis*, 6 (2): 72-79 (ISSN: 2348-8948).
- Suresh, R., Thampiraj, S. and **Stephen, A.** **2018.** Antibacterial activities of wild rhizomatous plants - *Curcuma aromatica*, *Curcuma longa* (Zingiberaceae) and synergistic effects of both collected from southern Western Ghats, India. *International Journal of Scientific Research in Biological Sciences*, 5 (2): 7-13 (ISSN 2347-7520).

- Suresh, R., Thampiraj, S. and **Stephen, A.** 2018. Antibacterial activities of wild rhizomatous plants - *Zingiber officinalis*, *Zingiber zerumbet* (Zingiberaceae) and synergistic effects of both collected from southern Western Ghats, India. *International Journal of Research in BioSciences*, 7 (2): 26-33 (ISSN: 2319-2844).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. 2018. Antibacterial activity, in vitro antioxidant potential and GC-MS characterization of methanolic extract of *Tricholoma equestre*, a wild mushroom from southern Western Ghats, India. *Acta Biomedica Scientia*, 5 (1): 21-28 (ISSN 2348-215X (Print), 2348-2168 (Online)).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. 2018. PASS-assisted prediction of biological activity spectra of methanolic extract of *Gymnopilus junonius*, a wild mushroom from southern Western Ghats, India. *European Journal of Pharmaceutical and Medical Research*, 5 (4): 340-347 (ISSN 2394-3211).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. 2018. Antibacterial activity, in vitro antioxidant potential and GC-MS characterization of methanolic extract of *Gymnopilus junonius*, a wild mushroom from southern Western Ghats, India. *European Journal of Biomedical and Pharmaceutical Sciences*, 5 (3): 650-657 (ISSN 2349-8870).
- Senthil Kumar, V., Karthi, V., Ram kumar, A., Ramesh, R., **Stephen, A.** and Kumaresan, S. 2018. Isolation, Screening, Identification, and Optimization of Xylanase Producing Bacteria from Forests of Western Ghats, India. *International Journal of Agriculture, Environment and Biotechnology*, 11 (1): 173-179 (ISSN: 0974-1712).
- **Stephen, A.**, Nikita, S., Nidhi, T., Noorunnisa B. and Ravikumar, K. 2017. Light microscopic study of pollen morphology on selected species of *Jatropha* L. *Journal of Phytological Research*, 30 (1): 1-6 (ISSN 0970-5767).
- **Stephen, A.**, Ragupathi, V. and Kumaresan, S. 2017. Identification and utilization of pharmaceutically novel chemicals from plants for the treatment of cancer - a critical appraisal. *Voyager*, 8 (2): 205-216 (ISSN (P) 0976-7436 (e); 2455-054X).
- Pandian, M., Natarajan, S. and **Stephen, A.** 2017. Studies on the host ranges of angiosperm parasites *Dendrophthoe falcata* var. *coccinia* and *Cassytha filiformis* in Annamalai Reserve Forest, Thiruvannamalai, Tamil Nadu, India. *International Journal of Advanced Research*, 1045-1050 (ISSN 2320-5407).
- Suresh, R., Thampiraj, S. and **Stephen, A.** 2017. Botanical, Phytochemical and Pharmacological Properties of *Curcuma longa* (Zingiberaceae) - A Review. In: *Proceedings of National Seminar on "Phytochemicals as Therapeutics"*, Department of Plant Biology and Plant Biotechnology, Meenakshi College for Women (Autonomous), Kodambakkam, Chennai 600 021, Tamilnadu, pp. 32-39.
- Mhabemo, O., Ramasamy, S., Parthasarathy, P. and **Stephen, A.** 2016. Clay Mineralogy, Palynology and Geochemistry of the Paleogene sediments in Inner Fold Belt of Nagaland, Northeast India. *International Research Journal of Earth Sciences*, 4 (12): 1-18 (E-ISSN 2321-2527).
- **Stephen, A.**, Suresh, R. and Kumaresan, S. 2016. Teaching Environmental Issues with Socio-Economic-Scientific Perspectives at the College level. In: *Proceedings of International Conference on "Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development"*, Department of Science-Education and Internal Quality Assurance Cell, Institute of Advanced Study of Education (Autonomous), Chennai, pp. 148-150 (ISBN: 978-93-85977-61-9).

- Ayyappan. N., **Stephen, A.**, Muthusankar, G., Jayakumar, S. and Presena, J. **2016**. Spatio-temporal changes in fringe mangrove extent in Pondicherry, India after the two phenomenal perturbations: tsunami and cyclone Thane. *Tropical Ecology*, 57 (2): 361-368 (ISSN: 0564-3295).
- **Stephen, A.** Ayyappan. N., Muthusankar, G., Jayakumar, S. and Presena, J. **2016**. Spatio-temporal changes in a vulnerable ecosystem around Pondicherry, India. In: Jayakumar, X. V. (Ed.) *Proceedings of ICSSR Sponsored National Seminar on Infrastructural Development and Environment - Issues & Challenges*, PG & Research Department of Economics, Ramakrishna Mission Vivekananda College (Autonomous), Chennai, pp. 41-48 (ISBN: 978-83-81992-94-4).
- **Stephen, A.** **2016**. Natural disasters: are they really natural? In: Jayakumar, X. V. (Ed.) *Proceedings of ICSSR Sponsored National Seminar on Infrastructural Development and Environment - Issues & Challenges*, PG & Research Department of Economics, Ramakrishna Mission Vivekananda College (Autonomous), Chennai, pp. 34-40 (ISBN: 978-83-81992-94-4).
- Suresh, R., Thampiraj, S., **Stephen, A.** and Thamilvanan, D. **2016**. Western Ghats - a critical ecosystem and refuges for important medicinal plants: a case study of *Curcuma longa*. In: *Proceedings of International Conference on "Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development"*, Department of Science-Education and Internal Quality Assurance Cell, Institute of Advanced Study of Education (Autonomous), Chennai, pp. 155-160 (ISBN: 978-93-85977-61-9).
- Ragupathi, V., **Stephen, A.** and Kumaresan, S. **2016**. Diversity of wild mushrooms and their antibacterial potential from south Western Ghats. In: *Proceedings of International Conference on "Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development"*, Department of Science-Education and Internal Quality Assurance Cell, Institute of Advanced Study of Education (Autonomous), Chennai, pp. 144-147 (ISBN: 978-93-85977-61-9).
- Suresh, R., Thampiraj, S. and **Stephen, A.** **2016**. Preliminary antibacterial activity of selected rhizomatous members of Zingiberaceae from south Western Ghats. In: *Proceedings of International Conference on "Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development"*, Department of Science-Education and Internal Quality Assurance Cell, Institute of Advanced Study of Education (Autonomous), Chennai, pp. 151-154 (ISBN: 978-93-85977-61-9).
- **Stephen, A.**, Suresh, R. and Livingstone, C. **2015**. Indian Biodiversity: Past, Present and Future. *International Journal of Environment and Natural Sciences*, 7: 13-28 (ISSN: 2349-3763).
- **Stephen, A.**, Suresh, R., Balaji, M., Sarathkumar, S., Parthiban, S. and Vinothraj, S. **2015**. Diversity of Vegetables from the Markets of Chennai, Tamil Nadu, India. *Journal of Academia and Industrial Research*, 3 (11): 536-541 (ISSN: 2278-5213).
- **Stephen, A.** and Suresh, R. **2015**. Nutritive and Therapeutic Values of Vegetables from the Markets of Chennai, Tamil Nadu, India. *Journal of Academia and Industrial Research*, 3 (11): 546-561 (ISSN: 2278-5213).
- Kumaresan, S., Senthilkumar, V., **Stephen, A.** and Balakumar, B. S. **2015**. GC-MS analysis and PASS-assisted prediction of biological activity spectra of the extract of endophytic fungus, *Phomopsis* sp. isolated from *Andrographis paniculata*. *World Journal of Pharmaceutical Research*, 4 (1): 1035-1053 (ISSN: 2277-7105).

- Kumaresan, S., Karthi, V., Senthilkumar, V., Balakumar, B. S. and **Stephen, A.** 2015. Biochemical constituents and antioxidant potential of endophytic fungi isolated from the leaves of *Azadirachta indica* A. Juss. (Neem) from Chennai, India. *Journal of Academia and Industrial Research*, 3 (8): 355-361 (ISSN: 2278-5213).
- **Stephen, A.** 2014. Pollen - A microscopic wonder of plant kingdom. *International Journal of Advanced Research in Biological Sciences*, 1 (09): 45-62 (ISSN: 2348-8069).
- **Stephen, A.** 2014. Effect of industrial pollution on chlorophyll content and proximate composition of *Millettia pinnata* (L.) Panigrahi and *Azadirachta indica* A. Juss. *Proceedings of UGC sponsored National Seminar on Recent trends and future perspectives of biological sciences (BIOVISION - 2014)* held at Arumugam Pillai Seethai Ammal College, Thirupathur, Sivagangai (Dt), Tamilnadu (ISBN: 978-81-924835-3-5).
- **Stephen, A.** and Joel Christopher, P. 2014. *Histo-chemical study on Syzygium cumini* (L.) Skeels. seeds. *Proceedings of UGC sponsored National Seminar on Recent trends and future perspectives of biological sciences (BIOVISION - 2014)* held at Arumugam Pillai Seethai Ammal College, Thirupathur, Sivagangai (Dt), Tamilnadu (ISBN: 978-81-924835-3-5).
- **Stephen, A.,** Anupama, K., Aravajy, S. and Livingstone, C. 2012. Leaf classes, foliar phenology and life forms of selected woody species from the tropical forests of central and southern Eastern Ghats, India. *Check List*, 8 (6): 1248-1266 (ISSN: 1809-127X) <http://dx.doi.org/10.15560/8.6.1248>.
- **Stephen, A.** 2012. Natural disasters in India with special reference to Tamil Nadu. *Journal of Academia and Industrial Research*, 1 (2): 59-67 (ISSN: 2278-5213).
- **Stephen, A.,** Dheeraj Reddy, C. and Joel Christopher, P. 2012. Effect of pre-sowing treatments on seed germination of *Syzygium cumini* (L.) Skeels. *Advances in Plant Sciences*, 25 (1): 297-299 (ISSN: 0970-3586).
- **Stephen, A.** 2012. *Syzygium cumini* (L.) Skeels: A multipurpose tree, its phytotherapeutic and pharmacological uses. *Journal of Phytotherapy and Pharmacology*, 1 (4): 22-32 (ISSN: 2278-1390).
- Anupama, K., Prasad, S., Ponnuchamy, R. and **Stephen, A.** 2010. Facets of applied Palynology at the French Institute of Pondicherry over the last fifty years. 'Vistas of Palynological Science', *Journal of Palynology*, Prof. M. S. Swaminathan Festschrift volume, 46: 343-363 (ISSN: 0022-3379).
- Rajanikanth, A., Agarwal, A. and **Stephen, A.** 2010. An integrated inquiry of Early Cretaceous flora, Palar Basin, India. *Phytomorphology*, 60 (1&2): 21-28 (ISSN: 0031-9449).
- **Stephen, A.,** Anupama, K., Orukaimani, G. and Prasad, S. 2008. A new microsieving technique in pollen analysis. *The Palaeobotanist*, 57 (3): 551-557 (ISSN: 0031-0174).
- **Stephen, A.,** Anupama, K., Aravajy, S. and Orukaimani, G. 2008. Leaf trait measurements in Southern Eastern Ghats and their applications. In: Baquer, S. H., Krishna, I. S. R., Bhakshu, L. M. and Reddy, C. S. (Eds.) *Proceedings of National Seminar on Conservation of Eastern Ghats*, EPTRI, Hyderabad, pp. 188-197 (ISBN: 978-81-7525-955-3).
- Syamsundar, K. V., Srinivasulu, B., **Stephen, A.,** Ramesh, S. and Rao, R. R. 2008. Chemical composition of volatile oil of *Thymus vulgaris* L. from Western Ghats of India. *Journal of Spices and Aromatic Crops*, 17 (3): 255-258 (ISSN: 0971-3328).

- Raveen, R., Chennakrishnan C. and **Stephen A.** 2008. Impact of pollution on the quality of water in three fresh water lakes of suburban Chennai. *Nature Environment and Pollution Technology*, 7(1): 61-64 (ISSN: 0972-6268).
- Chennakrishnan, C., **Stephen, A.**, Manju, T. and Raveen, R. 2008. Water quality status of three vulnerable fresh water lakes of suburban Chennai, India. *Indian Journal of Environment and Ecoplanning*, 15 (3): 591-596 (ISSN: 0972-1215).
- Ragupathi, V., **Stephen, A.**, Arivoli, D. and Kumaresan, S. (Accepted) PASS-assisted prediction of biological activity spectra of methanolic extract of *Tricholoma equestre*, a wild mushroom from southern Western Ghats, India. *Journal of Pharmaceutical Biology* (ISSN e-ISSN - 2249-7560 Print ISSN - 2249-7579).

### Electronic Publications

- Anupama, K., **Stephen, A.**, Aravajy, S. and Orugaimani, G. 2007. Plant Functional Types and Plant trait measurements in the Eastern Ghats, India Download at <http://dx.doi.org/10.1038/npre.2007.941.1>.

### Popular Publications

- **Stephen, A.** 2019. *Veppa Ulagu. Arivukkan*, India (in Tamil).
- **Stephen, A.** 2019. *Thirukuralum Thavarangalum. Arivukkan*, India (in Tamil).
- **Stephen, A.** (Submitted). *A Trip to JNTBGRI - Predatory Plants and Botanical Wonderland. Arivukkan*, India.
- **Stephen, A.** 2004. Motherland art - Karate. *Woodchips' 04*, College Union Society Magazine, Madras Christian College (Autonomous), Tambaram, India, pp. 21-23.

### Abstracts in Conferences

- **Stephen, A.\*** and Ravikumar, K. Biological Diversity: Who Owns. In: National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach" held at Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai - 600042, Tamilnadu, March 11-12, 2019.
- **Stephen, A.\*** and Ravikumar, K. Facets of Biodiversity and its Conservation. In: National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach" held at Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai - 600042, Tamilnadu, March 11-12, 2019.
- Anusree, K., **Stephen, A.**, and Ravikumar, K. Phytochemical, Pharmacological Investigations and Identification of herbaceous species of *Phyllanthus* L. (Phyllanthaceae) in India - a Critical Appraisal. In: National Conference on "Biodiversity and Conservation: A Multidisciplinary Approach" held at Department of Plant Biology and Plant Biotechnology, Guru Nanak College (Autonomous), Velachery, Chennai - 600042, Tamilnadu, March 11-12, 2019.
- **Stephen, A.\*** Identification and utilization of pharmaceutically novel chemicals from plants for the treatment of cancer. In: National Seminar on "Phytochemicals as Therapeutics" at Department of Plant Biology and Plant Biotechnology, Meenakshi College for Women (Autonomous), Kodambakkam, Chennai 600 021, Tamilnadu, September 16-17, 2016.



- Suresh, R., Thampiraj, S. and **Stephen, A.** Botanical, Phytochemical and Pharmacological Properties of *Curcuma longa* (Zingiberaceae) - A Review. In: National Seminar on “Phytochemicals as Therapeutics” at Department of Plant Biology and Plant Biotechnology, Meenakshi College for Women (Autonomous), Kodambakkam, Chennai 600 021, Tamilnadu, September 16-17, **2016**.
- **Stephen, A.\***, Suresh, R. and Kumaresan, S. Teaching Environmental Issues with Socio-Economic-Scientific Perspectives at the College level. In: International Conference on “Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development” at Department of Science-Education, Institute of Advanced Study of Education (Autonomous), Saidapet, Chennai 600 006, Tamilnadu, June 22-23, **2016**.
- Suresh, R., Thampiraj, S., **Stephen, A.** and Thamilvanan, D. Western Ghats - a critical ecosystem and refuges for important medicinal plants: a case study of *Curcuma longa*. In: International Conference on “Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development” at Department of Science-Education, Institute of Advanced Study of Education (Autonomous), Saidapet, Chennai 600 006, Tamilnadu, June 22-23, **2016**.
- Suresh, R., Thampiraj, S. and **Stephen, A.** Preliminary antibacterial activity of selected rhizomatous members of Zingiberaceae from south Western Ghats. In: International Conference on “Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development” at Department of Science-Education, Institute of Advanced Study of Education (Autonomous), Saidapet, Chennai 600 006, Tamilnadu, June 22-23, **2016**.
- Ragupathi, V., **Stephen, A.** and Kumaresan, S. Diversity of wild mushrooms and their antibacterial potential from south Western Ghats. In: International Conference on “Global Environmental Challenges - Role of Teachers in Evolving a Sustainable Development” at Department of Science-Education, Institute of Advanced Study of Education (Autonomous), Saidapet, Chennai 600 006, Tamilnadu, June 22-23, **2016**.
- **Stephen, A.\*** Natural disasters: are they really natural? In: Indian Council of Social Science Research Sponsored National Seminar on “Infrastructural Development and Environment - Issues & Challenges” at PG & Research Department of Economics, Ramakrishna Mission Vivekananda College (Autonomous), Mylapore, Chennai 600 004, Tamilnadu, Feb. 5, **2016**.
- **Stephen, A.\***, Ayyappan, N., Muthusankar, G., Jeyakumar, S. and Presena, J. Spatio-temporal changes in a vulnerable ecosystem around Pondicherry, India. In: Indian Council of Social Science Research Sponsored National Seminar on “Infrastructural Development and Environment - Issues & Challenges” at PG & Research Department of Economics, Ramakrishna Mission Vivekananda College (Autonomous), Mylapore, Chennai 600 004, Tamilnadu, February 5, **2016**.
- Suresh, R., Thampiraj, S., Kumaresan, S. and **Stephen, A.** *Screening of Phytochemicals and Pharmacological Potential of Acorus calamus L.* In: UGC sponsored National Seminar on “Biodiversity and Human Health: New Perspectives” at PG & Research Department of Botany, Bharathi Women’s College (Autonomous), Prakasam Salai, Broadway, George Town, Chennai 600 108, Tamilnadu, February 6, **2015**.
- Kumaresan, S., **Stephen, A.**, Senthilkumar, V. and Karthi, V. *Diversity and Biological Activities of Endophytic Fungi Associated with selected Medicinal Plants from Chennai, India.* In: UGC sponsored National Seminar on “Biodiversity and Human Health: New Perspectives” at PG & Research Department of Botany, Bharathi Women’s College

(Autonomous), Prakasam Salai, Broadway, George Town, Chennai 600 108, Tamilnadu, February 6, 2015.

- **Stephen, A.** and Suresh, R. *Diversity of Vegetables from Chennai (Madras) Markets used as Therapeutic Diet*. In: UGC sponsored National Seminar on “Biodiversity and Human Health: New Perspectives” at PG & Research Department of Botany, Bharathi Women’s College (Autonomous), Prakasam Salai, Broadway, George Town, Chennai 600 108, Tamilnadu, February 6, 2015.
- **Stephen, A.**, Balaji, M., Sarathkumar, S., Parthiban S. and Vinothraj S. *Vegetables of Chennai (Madras) markets and their Nutritive, Therapeutic Values*. In: National Seminar on “Current Scenario of Plants as Potential Drugs” at PG & Research Department of Plant Biology and Plant Biotechnology, Quaid-E-Millath Government College for Women (Autonomous), Anna Salai, Chennai 600 002, Tamilnadu, January 3, 2015.
- **Stephen, A.\*** and Joel Christopher, P. *Histo-chemical study on Syzygium cumini (L.) Skeels. seeds*. In: UGC sponsored National Seminar on “BIOVISION 2014” Recent trends and future perspectives of biological sciences at Department of Zoology and Department of Botany, Arumugam Pillai Seethai Ammal College, Thirupathur, Sivagangai (Dt.), Tamilnadu, September 5 - 6, 2014.
- **Stephen, A.\*** *Effect of industrial pollution on chlorophyll content and proximate composition of Millettia pinnata (L.) Panigrahi and Azadirachta indica A. Juss.* In: UGC sponsored National Seminar on “BIOVISION 2014” Recent trends and future perspectives of biological sciences at Department of Zoology and Department of Botany, Arumugam Pillai Seethai Ammal College, Thirupathur, Sivagangai (Dt.), Tamilnadu, September 5 - 6, 2014.
- Anupama Krishnamurthy, Prasad Srinivasan, Aravajy, S., Ponnuchamy, R., **Stephen, A.** and Anusree, A. S. *Palynological methods for land-cover reconstruction in semi-arid Peninsular India*. In: PAGES 4<sup>th</sup> Open Science Meeting on “The Past: A Compass for Future Earth” at Goa, India, February 13 - 16, 2013.
- **Stephen, A.\***, Mohapatra, P. P., Anupama Krishnamurthy, Prasad Srinivasan and Pramod Singh. *Holocene Vegetation changes in the Cauvery Floodplains, southern India: A case study*. In: PAGES 4<sup>th</sup> Open Science Meeting on “The Past: A Compass for Future Earth” at Goa, India, February 13 - 16, 2013.
- **Stephen, A.\***, Ayyappan, N., Jeyakumar, S. and Presena, J. *“Thane” cyclonic impact on mangroves of Puducherry, India: A preliminary assessment*. In: National Seminar on “Cyclonic Changes and Its Impact on Marine Biodiversity (CCIMBD-2012)” at Research Department of Botany, Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar - 626 001, Tamilnadu, February 9 - 10, 2012.
- Rajan, K., Premathilake, T. R., Anupama, K., Prasad, S., Orukaimani, G., Yathees Kumar, V. P., Selvakumar, S., Ponnuchamy, R. and **Stephen, A.** *Archaeological Implication of Phytolith Study at Porunthal*. In: IGBP PAGES PHAROS Workshop: “Land-cover reconstructions in the monsoon affected Tropical world - pollen modeling approach and data synthesis” at Centre Point Hall, Hotel Atithi, French Institute of Pondicherry, Puducherry, Jan.27-29, 2011.
- Anupama, K., Prasad, S., **Stephen, A.\***, Ponnuchamy, R., Singh, P. & Mahapatra, P. *Overview of palynological studies in South India*. In: IGBP PAGES PHAROS Workshop: “Land-cover reconstructions in the monsoon affected Tropical world - pollen modeling approach and data synthesis” at Centre Point Hall, Hotel Atithi, French Institute of Pondicherry, Puducherry, January 27 - 2, 2011.

- Kavitha, A., Pragasam, A., Ponnuchamy, R. and **Stephen, A.** *Floristic enumeration of weeds and pollen morphology of some selected species in Sorghum field*. In: UGC-sponsored National Seminar on “The Impact of Climate Change on Biodiversity (ICCBD-2011)” at Convention cum cultural centre, Pondicherry University, Department of Plant Studies, Kanchi Mamunivar Centre for Post Graduate Studies, January 21 - 22, **2011**.
- **Stephen, A.\***, Aravajy, S., Livingstone, C. and Anupama, K. *Diversity of plant functional types in forests of Eastern and Western Ghats, India using leaf trait measurements*. In: UGC-sponsored National Seminar on “The Impact of Climate Change on Biodiversity (ICCBD-2011)” at Convention cum cultural centre, Pondicherry University, Department of Plant Studies, Kanchi Mamunivar Centre for Post Graduate Studies, January 21 - 22, **2011**.
- Narasimhan, D. and **Stephen, A.** *Tropical Dry Evergreen Forests: Structure and Function*. In: National Seminar on Tropical Ecosystem, Structure and Function conducted by the Institute of Forest Genetics and Tree Breeding, Coimbatore, 28 December **2010**.
- **Stephen, A.**, Srilatha, R. and Anupama, K. *Software cum Database for Leaf Trait Measurements: Case Study from South India*. In: PAGES 3<sup>rd</sup> “Open Science Meeting” held at Corvallis, USA, July 8 - 11 **2009**.
- Rajanikanth, A., Anil Agarwal and **Stephen, A.** *Early Cretaceous Floristics of Palar Basin - An Integrated Inquiry*. In: Conference on Plant Life through the Ages, 2008 at Birbal Sahni Institute of Palaeobotany, Lucknow, November 16 - 17, **2008**.
- **A. Stephen\***, K. Anupama, S. Aravajy and G. Orugaimani. *Leaf Trait Measurements in southern Eastern Ghats and their applications*. In: National Seminar on “Conservation of Eastern Ghats” organized by EPTRI, Hyderabad at Chennai, December 28 - 29, **2007**.
- **Stephen, A.\***, Anupama, K., Prasad, S., Sudhakar, S. and Pujar, G. S. *Pollen analysis of a Late Holocene core from Rusulcheruvu, Central Andhra Pradesh, India*. In: XXI Indian Colloquium on Micropalaeontology and Stratigraphy, at Birbal Sahni Institute of Palaeobotany, Lucknow, November 16 - 17, **2007**.
- Anupama, K., Sudhakar, S., Prasad, S., Pujar, G.S. & **Stephen, A.** *Biological proxies in paleomonsoon reconstruction: An assessment of present status and future directions*. ISRO-GBP Sub-working Group Brainstorming Workshop on High Resolution Monsoon Reconstruction since the Last Glacial Maximum (~21ka) by Cochin University & Physical Research Laboratory, July 20 - 21, **2007**.
- Anupama, K., **Stephen, A.\***, Aravajy, S. and Orugaimani, G. *Plant Functional Types and Plant trait measurements in the Eastern Ghats, India*. In: Conference of the Asian Chapter of the Association for Tropical Biology and Conservation on the topic “Averting Biodiversity Meltdown in the Asian Tropics” at GRT Temple Bay, Mahabalipuram, India. Available from Nature Precedings, <<http://dx.doi.org/10.1038/npre.2007.941.1>> (2007), February 6 - 9, **2007**.
- **Stephen, A.\***, Orukaimani, G., Prasad, S., & Anupama, K. *A New Microsieving Technique in Pollen Analysis*. In: Diamond Jubilee International Conference on “Changing Scenario in Palaeobotany and Allied Subjects” at Birbal Sahni Institute of Palaeobotany, Lucknow, November 15- 17, **2006**.

## Invited Lectures

- **Stephen, A. (Resource Person).** *Biodiversity of Wetlands and its Conservation.* In: One day Eco-Trail program for school pupils organized by Chennai Rivers Restoration Trust, Chennai at Adyar Eco Park (Tholkappia Poonga), Chennai on 04 March **2019**.
- **Stephen, A. (Resource Person).** *Importance of Trees in a Forest.* In: One day field based orientation program for college students of Prince Shri Venkateswara College of Arts and Science, Chennai at Nanmangalam Reserve Forest, Chennai on 19 December **2018**.
- **Stephen, A. (Resource Person).** *Identification Flowering Plants (Trees)* In: one day capacity building workshop to forest officials organized by Environment Amelioration Services Trust (EAST), Tirunelveli at Nanmangalam Reserve Forest, Chennai on 17 December **2018**.
- **Stephen, A. (Resource Person).** *Global Warming: Are we digging our own graves?* In: Inaugural address delivered at the inauguration of SHEE (Safety, Health, Environment, Empowerment) Club of Department of Biotechnology, Prince Shri Venkateswara College of Arts and Science, Chennai on 12 December **2018**.
- **Stephen, A. (Resource Person).** *Biodiversity and Conservation* In: Inaugural address delivered at the inauguration of National Green Corps (NGC), Vidhya Schools, Chennai on 10 December **2018**.
- **Stephen, A. (Resource Person).** *Wetlands and Conservation.* In: One day Eco-Trail program for school pupils organized by Chennai Rivers Restoration Trust, Chennai at Adyar Eco Park (Tholkappia Poonga), Chennai on 10 December **2018**.
- **Stephen, A. (Resource Person).** *Identification and importance of flora of Adyar Eco Park, Chennai.* In: One day Eco-Trail program for various government schools of Chennai and organized by World Wide Fund for Nature-India (WWF-India), Tamil Nadu State office at Adyar Eco Park, Chennai on 02, 09, 20 November **2018**.
- **Stephen, A. (Resource Person).** *Identification and importance of flora of Guindy National Park, Chennai.* In: Four days Eco-Trail program for various government schools of Chennai and organized by World Wide Fund for Nature-India (WWF-India), Tamil Nadu State office at Guindy National Park, Chennai on 24-26 & 31 October & 10, 14 November **2018**.
- **Stephen, A. (Resource Person).** *Identification and utilization of pharmaceutically novel chemicals from medicinal plants.* In: Workshop on “Identification of Medicinally Important Plants” at Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 05 February **2018**.
- **Stephen, A. (Resource Person).** *Importance of Trees.* In: One day orientation program for school pupils and teachers of TI Matriculation and Higher Secondary School, Ambattur and organized by Nature Club, World Wide Fund for Nature-India (WWF-India), Tamil Nadu State office at TI Matriculation and Higher Secondary School, Ambattur, Chennai on 18 February **2016**.
- **Stephen, A. (Resource Person).** *Identification of Flowering Plants of Chennai.* In: Workshop on “Identification of Flowering Plants of Chennai” at Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 12 October **2015**.
- **Stephen, A. (Resource Person).** *Plant Systematics: Principles and Practices.* In: UGC sponsored seminar on “Plant Systematics: Principles and Practices” at Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 11 April **2015**.
- **Stephen, A. (Resource Person).** *Flora of Nanmangalam Reserve Forest.* In: One day field based orientation program for school pupils and teachers of TI Matriculation and Higher Secondary School, Ambattur and organized by Nature Club, World Wide Fund for Nature-

India (WWF-India), Tamil Nadu State office at Nanmangalam Reserve Forest, Chennai on 05 February 2015.

- **Stephen, A. (Resource Person).** *Organ Systems*. In: One day Science seminar-Orientation program for school teachers organized by Cordova Publications Pvt. Ltd. at Velankanni Matriculation and Higher Secondary School, Ashok Nagar, Chennai on 29 November 2014.
- **Stephen, A. (Resource Person).** *Creation: The household of God*. In: One day Seminar organized by Eco Vision department of Diocese of Madras, Church of South India for Southern area church lay-leaders, lay-preachers and presbyters to create awareness on climate change issues at Villuppuram on 09 February 2013.
- **Stephen, A.** *Pollen types Vs. Plant taxa: a diagnostic pollen key to the pollen types of Eastern Ghats, India*. In: ECOLOGY Talks Programme organized by department of Ecology, French Institute of Pondicherry, Puducherry held at Jawaharlal Nehru Conference Hall, French Institute of Pondicherry, Puducherry on 16 November 2012 (<http://www.ifpindia.org/Pollen-types-Vs-Plant-taxa-a-diagnostic-pollen-key-to-the-pollen-types-of-Eastern-Ghats-India.html>).
- **Stephen, A. (Resource Person).** *Global Warming: Are we digging our own graves?* In: One day Seminar organized by Eco Vision department of Diocese of Madras, Church of South India for North area church lay-leaders, lay-preachers and presbyters to create awareness on climate change issues at Nagari, Chittoor District, Andhra Pradesh on 3 March 2012.
- **Stephen, A. (Resource Person).** *Climate Change and Church Response*. In: One day Seminar organized by Eco Vision department of Diocese of Madras, Church of South India for Southern area church lay-leaders, lay-preachers and presbyters to create awareness on climate change issues at St. Columba's Higher Secondary School, Chengalpattu on 18 February 2012.
- **Stephen, A.** *Pollen Analysis of Lake Sediments, Surface Soils and Leaf Trait Measurements in the Eastern Ghats of India*. In: ECOLOGY Talk Series organized by department of Ecology, French Institute of Pondicherry, Puducherry held at Jawaharlal Nehru Conference Hall, French Institute of Pondicherry, Puducherry on 01 April 2011 (<http://www.ifpindia.org/Pollen-Analysis-of-Lake-Sediments-Surface-Soils-and-Leaf-Trait-Measurements-in-the-Eastern-Ghats-of-India.html>).
- **Stephen, A.** *Pollen Studies of a Sediment Profile from Eastern Ghats, India*. In: Science and Humanity - an Open House Seminar organized by French Institute of Pondicherry on November 27 - 28, 2009 (<http://www.ifpindia.org/Science-and-Humanity-an-Open-House-Seminar.html>).

## Reports

- Narasimhan, D. and **Stephen, A.** Survey of NTFP/Medicinal Plant Resources and Preparation of Management Plan including Market Linkages in Tiruvannamalai Division, Tamil Nadu, India. Project completion report submitted to Office of Forest Division, Thiruvannamalai South Forest Division, Tamil Nadu, India, 2018.
- Anupama, K., Prasad, S., Singh, P., **Stephen, A.**, Mohapatra, P. P. and others. *Pollen Analyses of Quaternary Sediments: reconstructing vegetation and environment history in the Cauvery Floodplains* [DST No: SR/S4/ES-21/Cauvery/P-11]. Unpublished project completion report submitted to DST, India, 2013.
- **Stephen, A.**, Ajaykumar, S. and Narasimhan, D. 2003. Floristic Inventory and Environmental Impact Assessment of Chemplast Sanmar (p) Ltd., A Chemical Industry in

Mettur, Salem District. Project completion report submitted to Chemplast Sanmar (p) Ltd., Mettur, Salem.

- Sudhakar, S., Anupama, K., Pujar, G. S., Prasad, S., Babar, S., Sudha, K., **Stephen, A.**, Aslam, A., Aravajy, S., Orukaimani, G. and Jayapalan, G. 2007. Modern Pollen Rain in the Eastern Ghats for Reconstruction of Paleovegetation and climate - Application of Remote Sensing and GIS Techniques. Unpublished project completion report submitted to ISRO-DOS-Geosphere-Biosphere Studies.

## Dissertations/Thesis

- **Stephen, A.** "SEED ECOLOGY OF SYZYGIUM CUMINI (L.) SKEELS. (MYRTACEAE)" M.Sc. dissertation under the guidance of Prof. P. Joel Christopher, Plant Ecology Laboratory, Department of Botany, Madras Christian College, 2004.
- **Stephen, A.**, "POLLEN ANALYSIS OF LAKE SEDIMENTS, SURFACE SOILS AND LEAF TRAIT MEASUREMENTS IN THE EASTERN GHATS, INDIA" Ph.D. Thesis submitted to University of Madras under the supervision of Dr. C. Livingstone, Department of Botany, Madras Christian College, 2010.
- **Stephen, A.**, "NATURAL DISASTERS IN INDIA WITH SPECIAL REFERENCE TO TAMIL NADU" End of Course project submitted to World Bank Distance Learning, Natural Disaster Risk Management Program, Climate Change and Disaster Risk Management Course, 2011.

## Professional Membership

### International

- ♣ Life Member, International Society of Plant Morphologists (**ISPM**)
- ♣ Life Member, National Academy of Biological Sciences (**NABS**)
- ♣ Member, The International Association for Ecology (**INTECOL**)
- ♣ Member, The World Student Community for Sustainable Development (**WSC-SD**)
- ♣ Member, International Commission on History of Meteorology (**ICHM**)
- ♣ Member, International Hibiscus Society (**HIS**)
- ♣ Member, International Society for Environmental Information Sciences (**ISEIS**)
- ♣ Member, International Ecotourism Society (**IES**)
- ♣ Member, International Mountain Forum (**IMF**)
- ♣ Member, Asian Bioethics Association (**ABA**)

### National

- ♣ Member, Academy of Plant Sciences India (**APSI**) (2011-2013)
- ♣ Member, Phytological Society, Bharatpur, India (**PS**) (2018)
- ♣ Member, Tamil Nadu Science Forum (**TNSF**)

## Academic Services

- ♣ Member, College Union Society, Madras Christian College (MCC) (2003-2004).
- ♣ Secretary, Botany Society, MCC (2001-2002).
- ♣ Secretary, Tamil Peravai (Association), MCC (2001-2002).
- ♣ Student Member, Board of Studies, Department of Botany, MCC (2003-2004).
- ♣ Member, Editorial Board: Journal of Academia and Industrial Research (ISSN 2278-5213).
- ♣ Member, Editorial Board: Plant (ISSN: 2331-0669).
- ♣ Member, Editorial Board: Journal of Taxonomic and Economic Botany (ISSN: 0250-9768)
- ♣ Member, Editorial Board: International Journal of Herbs, Spices and Medicinal Plants (ISSN: 2123-7362).
- ♣ Member, Editorial Board: Ethnobotany Research & Applications (ISSN 1547-3465).
- ♣ Guest Editor: Coast Track: Special edition for Green Skill Development Program of IOM-ENVIS - 2018 (ISSN 2393-8978).
- ♣ Reviewer: Ethnobotany Research & Applications (ISSN 1547-3465).
- ♣ Reviewer: Journal of Social Sciences & Humanities (ISSN 0128-7702; Pertanika Journals).
- ♣ Reviewer: Journal of Plant Sciences (ISSN: 2331-0723).
- ♣ Reviewer: International Journal of Phytotherapy and Ethnobotany (ISSN 4536-1837).
- ♣ Reviewer: Fruits (ISSN: 0248-1294)
- ♣ Reviewer: Biology and Medicine (ISSN: 0974-8369)
- ♣ Reviewer: Journal of Scientific Research and Essays (ISSN: 1992-2248).
- ♣ Reviewer: Biodiversitas: Journal of Biological Diversity (ISSN/E-ISSN: 1412-033X (printed edition), 2085-4722 (electronic)
- ♣ Reviewer: International Journal of Herbs, Spices and Medicinal Plants
- ♣ Reviewer: Notulae Scientia Biologicae (ISSN: 2067-3264)
- ♣ Reviewer: Rheedea (ISSN: 0971-2313).
- ♣ Reviewer: Journal of Research and Development.
- ♣ Reviewer: Open Science Journal
- ♣ Reviewer: World Research Journal Biology of Biological Sciences (ISSN: 3713-2135)
- ♣ Reviewer: Plant (ISSN Print: 2331-0669; ISSN Online: 2331-0677).
- ♣ Reviewer: Nordic Journal of Botany (Online ISSN: 1756-1051).

- ♣ Judge: For evaluating essay competition held for School students at Tamil Nadu state level to mark the Earth Hour 2016 organized by Tamil Nadu state office, WWF-India. The topic of essay competition is “Wind Energy and Its Future Prospects”.
- ♣ Resource person: POLTRAIN workshop held at French Institute of Pondicherry, Puducherry, 7<sup>th</sup> - 10<sup>th</sup> December 2010.
- ♣ Resource person: ECO-Vision Department, Church of South India, Diocese of Madras, Chennai.
- ♣ Member, Advisory Board : Islamic Literacy Movement of India - ILMI (2016-2017)

## Administrative Positions Held

### At St. Joseph's College

- ♣ **Internal Member, Board of Studies, Department of Botany, St. Joseph's College (2019-till date)**

### At Ramakrishna Mission Vivekananda College

- ♣ **Member, Organizing Committee** (Workshop on Edible Mushroom Cultivation on February 19, 2015, Organized by PG & Research Department of Botany, RKMVC)
- ♣ **Member, Examination Valuation Camp Committee (2014-2015)**
- ♣ **Assistant Chief Superintendent of Autonomous Examinations (2015-2016)**
- ♣ **Member, Board of Studies, PG & Research Department of Botany, RKMVC (2016-2017)**

### At Madras Christian College

- ♣ **Member, College Union Society (2003-2004)**
- ♣ **Secretary, Tamil Peravai** (Association) (2001-2002)

### In the Department of Botany, MCC

- ♣ **Student Member, Board of Studies, Department of Botany, Madras Christian College (2003-2004)**
- ♣ **Secretary, Botany Society (2001-2002).**

## Awards

- ♣ Caithness general fund scholarship for excellence in the first semester during under graduation (1999-2000)
- ♣ Edward Barnes gold medal for excellence in Botany (1999-2002)
- ♣ Second Rank in B.Sc. Botany (1999-2002)
- ♣ Third Rank in M.Sc. Botany (2002-2004)
- ♣ Elizabeth Miller Prize for excellence in Scripture (2002-2003)
- ♣ Best oral presentation award at the National seminar on “The Impact of Climate Change on Biodiversity (ICCBD-2011)” at Convention cum cultural centre, Pondicherry University,



Department of Plant Studies, Kanchi Mamunivar Centre for Post Graduate Studies, January 21<sup>st</sup>-22<sup>nd</sup>, 2011.

- ♣ First prize in oral presentation at the National seminar on “Cyclonic Changes and Its Impact on Marine Biodiversity (CCIMBD-2012)” at Research Department of Botany, Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar - 626 001, Tamil Nadu, February 9<sup>th</sup>-10<sup>th</sup>, 2012.

### Lectures Organized

- ♣ On 05 October 2017 - Dr. Devojit Das, Vulture conservationist, delivered a thoughtful lecture on “Vulture conservation: through education and awareness” in Thursday Colloquium of TransDisciplinary University, Bengaluru.
- ♣ On 18 March 2016 - Ms. Tiffany Brar, Brand Emissary, Tamil Nadu State Office, WWF-India & Founder of Jyothirgamaya, Thiruvananthapuram, Col. Sanath Gopinath, Head, Tamil Nadu State Office, WWF-India, Mr. Patrick Kaiser, a Geoecologist turned social activist, Germany and Shri. S. Saravanan, Senior Education Officer, Tamil Nadu State Office, WWF-India, they were the guests of honour at the Botany Association Valedictory function of PG and Research Department of Botany, RKM Vivekananda College, Chennai. They delivered a thoughtful lecture on “Earth Hour: Shine a light on climate action”.
- ♣ On 20 February 2016 - Dr. Rathnasiri Premathilake, The Postgraduate Institute of Archeology, University of Kelaniya, Colombo, Sri Lanka, delivered a talk on “Understanding the interrelationship between prehistoric human and rain forest ecology using phytoliths” at PG and Research Department of Botany, RKM Vivekananda College, Chennai.
- ♣ An inter-collegiate wild-life fest “**Nelumbo**” was organized on 9<sup>th</sup> October, 2014 to mark the celebration of national wildlife week. Tmt. K. Geethanjali, IFS, Wildlife Warden, Chennai inaugurated the fest and Shri. S. Saravanan, Senior Education Officer, World Wide Fund for Nature-India (WWF-India) delivered keynote address and conducted quiz and various competitions at PG and Research Department of Botany, Ramakrishna Mission Vivekananda College.
- ♣ On 25 February 2011 - Dr. Rathnasiri Premathilake, The Postgraduate Institute of Archeology, University of Kelaniya, Colombo, Sri Lanka, delivered a talk on “Montane rainforest changes during the late Quaternary in the Horton Plains, central Sri Lanka: a multi-proxy applications” at Centre for Advanced Studies in Botany, University of Madras.
- ♣ 2011 - Dr. Rathnasiri Premathilake, The Postgraduate Institute of Archeology, University of Kelaniya, Colombo, Sri Lanka, delivered a talk on “Phytoliths”, at Department of Botany, Madras Christian College.
- ♣ On 4 January 2011 - Dr. Parminder Singh Ranhotra, Scientist of Birbal Sahni Institute of Paleobotany, Lucknow, spoke on two topics “Vegetation, Climate and Glacier History in the Himalayan Region since last Pleistocene” and “The Glimpses of Arctic Expeditions 2009-2010”, at Department of Botany, Madras Christian College.

### Workshops and Training Program Attended

- ♣ **Herbaceous taxa in south India: Ecology, Distribution and Applications in palaeovegetation studies.**  
*Presentation: Stephen, A. Ecological significance of herbaceous markers in pollen surface samples: a review.*  
*Presentation: Anupama, K., Prasad, S., Aravajy, S., Stephen, A. and Ponnuchamy, R. An Overview of Pollen Data and Reconstruction of Palaeovegetation Using Case Studies from Tamil Nadu and Andhra Pradesh.*  
Department of Ecology, French Institute of Pondicherry, Puducherry.  
November 30 - December 1, 2006.

- ♣ **Geoaerchaeology and Human Response to Landscape Evolution.**  
Department of Geology, Anna University, Chennai, October 13 - 15, **2006.**
- ♣ **POLTRAIN Workshop: Resource person in Multidisciplinary training program.** Laboratory of Palynology, Department of Ecology, French Institute of Pondicherry, Puducherry, December 7<sup>th</sup> - December 10<sup>th</sup>, **2010.**
- ♣ **IGBP PAGES PHAROS Workshop: “Land-cover reconstructions in the monsoon affected Tropical world - pollen modeling approach and data synthesis”** at Centre Point Hall, Hotel Atithi, French Institute of Pondicherry, Puducherry, January 27 - 29, **2011.**  
Rajan, K., Premathilake, T. R., Anupama, K., Prasad, S., Orukaimani, G., Yathees Kumar, V. P., Selvakumar, S., Ponnuchamy, R. and **Stephen, A. Archaeological Implication of Phytolith Study at Porunthal.**
- ♣ Completed **“Scientific and professional communication in English”** seminar held at Jawaharlal Nehru Conference Hall, French Institute of Pondicherry, Puducherry, December 17 - 21, **2012** and January 7<sup>th</sup>, **2013.**
- ♣ Workshop for college teachers on **“Recent Advances in Biological Sciences - RABMS 2014”.** School of Life Sciences, B. S. Abdur Rahman University, Vandalur, Chennai - 600048, November 7<sup>th</sup> **2014.**
- ♣ Workshop on **“Mass Cultivation of Biofertilizers and Biocontrol agents”.**  
Department of Plant Biology and Plant Biotechnology, Women’s Christian College (Autonomous), Chennai - 600006, September 9<sup>th</sup> **2015.**
- ♣ **Workshop: Resource person** in “Identification of Flowering Plants of Chennai” at Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 12 October **2015.**
- ♣ Workshop on **“Climate Change and Renewable Energy”.**  
National Institute of Wind Energy (NIWE) and World Wide Fund for Nature (WWF-India) Chennai, June 14<sup>th</sup> **2016.**
- ♣ **Workshop: Resource person** in “Identification of Medicinally Important Plants” at Dr. Ambedkar Govt. Arts College, Vyasarpadi, Chennai on 05 February **2018.**
- ♣ **Resource person** in Green Skill Development Programme master training course on “Para-Taxonomy including People Biodiversity Register - PBR” conducted by ENVIS Resource partner of Coastal zone management and coastal shelter belt, Institute for Ocean Management, Anna University, Chennai - 600025 from July 2018 - August **2018.**
- ♣ Workshop on **“Methods in Plant Sciences”.**  
Centre for Molecular and Computational Biology (CMCB), St. Joseph’s College and Cellkraft Biotech Pvt. Ltd. Bengaluru, February 1<sup>st</sup> **2019.**

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### Personal Minutiae

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Date of Birth : 15 March 1980  
 Nationality : Indian  
 Languages known : Tamil (Native), English (Advanced - Spoken, written & reading),  
 Kannada (Beginner - Spoken), French (Beginner - Spoken)  
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 Webpage : <http://stephanos-crown.tripod.com/>  
 Blog : <http://stephenindiachennai.blogspot.com/>