




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
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<p>Research Area</p> <ul style="list-style-type: none"> • Carbon Sequestration • Biodiversity Conservation • Environmental Ecology 	<p>Courses Teaching</p> <ul style="list-style-type: none"> • Fundamentals of Ecology • Climate Change and Disaster Management • Environmental Management and Sustainable Development • Environmental Impact Assessment • Natural Resources Management • Industrial Ecology • Remote Sensing and Geographic Information System • Agroforestry
<p>Research Experience: 20</p>	<p>Teaching Experience: 15</p>
<p>Research Credentials (as on April 2026 – Source: Google scholar) H-index: 1189 Citations: 18 i10-index: 28</p>	
<p>Publications International Journals: 72 Conferences: 54 Books/Chapters: 6</p>	
<p>Career At Bharathiar University 1. Designation : Assistant Professor Period : March 2011 - Till Date</p>	
<p>Education Ph. D. Subject : Ecology and Environmental Sciences Institution : Pondicherry University Affiliated University : Pondicherry University Year of Award : November 2010</p>	
<p>Projects National Level Ongoing - 1 completed - 5</p>	<p>Research Guidance Completed Ph.D. - 7 M.Phil. - 3 PG - 35</p>
<p>Publications International Journals - 72 72. Spatiotemporal analysis and prediction of land use and land cover change in a rapidly urbanizing coastal region of India Discover Environment, 4, 183. (25 April 2026) (April 2026) Akila, S.P. and Pragasam, L.A.</p>	



71. Comet Assay Evaluation of Cadmium Chloride-Induced DNA Damage in Cyprinus carpio (Common Carp) and the Genoprotective Role of Selenium

Nature Environment & Pollution Technology, 25(2): B4358. (March 2026)
Nivethitha, P. and Pragasan, L.A.

70. Spatial variability of soil quality under diverse land use systems in tropical coastal environments: A case study from India

Journal of Landscape Ecology, 19(3): 74-95. (14 February 2026). (February 2026)
Akila, S.P. and Pragasan, L.A.

69. Phytolith Carbon Sequestration as a Sustainable Pathway for Climate Change Mitigation

Asian Journal of Environment & Ecology, 25(2):135-144. (February 2026)
Pragasan, L.A.

68. Construction of g-C₃N₄/MoS₂/NiO Ternary Heterojunction for Visible-Light Photocatalytic Degradation of Organic Dyes

Topics in Catalysis, 1-12. (January 2026)
Sekar, M., Kumar, J.V., Saravanan, P., Pragasan, L.A., Bernadsha, S.B., Saravanan, K., Sachin, S., Sundaram, S.J., Sandosh, T.A. and Arunachalam, K.P.

67. Unlocking the Science behind the Soil Phytolith Extraction: New Insights on Terrestrial Carbon Reservoirs

Biotica Research Today, 7 (8): 234-236. (September 2025)
Nivaethaa, C., Pragasan, L.A. and Sreekanth, K.H.

66. Assessment of Phytolith-Occluded Carbon Sequestration Potential in Uncultivated Grasses of Coimbatore, India

Asian Journal of Research in Agriculture and Forestry, 11 (4): 1-10. (September 2025)
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65. Carbon Sequestration Potential and Phytolith-Occluded Carbon in Two Bamboo Species

Asian Journal of Environment & Ecology, 24 (9): 116-126 (September 2025)
Pragasan, L.A., Vidhya, R. and Gnanambal, T.

64. Assessment of the relationship between rising atmospheric carbon dioxide on plant growth traits and carbon sequestration capacity of Dalbergia sissoo Roxb.

Geology, Ecology, and Landscapes, 1-8. DOI: <https://doi.org/10.1080/24749508.2025.2563920>. (September 2025)
Pragasan, L.A. and Ganesh, K.P.

63. Assessment of carbon stock potential of arecanut plantations in Coimbatore district of Tamil Nadu, India

Asian Journal of Research in Agriculture and Forestry, 11 (3): 148-158. (July 2025)
Pragasan, L.A. and Madhu, S.

62. Impact of increasing CO₂ levels on Mangifera indica growth and carbon sequestration potential at different nitrogen addition levels

Asian Journal of Environment & Ecology, 24 (7): 13-25. (July 2025)
Pragasan, L.A. and Ganesh, K.P.

61. Tree carbon stock dynamics of riparian forests from the Western Ghats, India.

Ecological Frontiers (Elsevier), 45 (3): 749-755. (March 2025)
Pragasan, L.A., Kumar, K.M. and Karthika, T.A.

60. Assessment of air pollutants and pollution tolerant tree species for the development of Greenbelt at Narasapura Industrial Estate, India.

Geology, Ecology, and Landscapes, 8 (4): 480-488. (November 2024)
Pragasan, L.A. and Ganesan, N.

59. Preserving the Mangroves of Puducherry Region: A call to action

Aghanaashini Tales, 1 (3): 23-25 (September 2024)
Akila, S.P. and Pragasan, L.A.



58. Rice Water: A Traditional Galactagogue of the Muthuvan Tribe in Kerala, India.

Asian Journal of Food Research and Nutrition, 3 (3): 714-722. (August 2024)
Nithula, N. and Pragasan, L.A.

57. Assessment of Soil Carbon Stock Potential in Different Soil Layers of Grassland Ecosystems

Asian Journal of Research in Agriculture and Forestry, 10 (3): 129-138. (August 2024)
Pragasan, L.A. and Prasad, P.V.

56. Innovative seed treatment for *Cassia siamea* Lam. germination and carbon stock analysis in varied stem sizes for sustainable land management and climate change mitigation.

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Pragasan, L.A. and Dhanavel, P.

55. Carbon stock potential of coconut plantations in university campus: a case study from Coimbatore, India

Asian Journal of Research in Agriculture and Forestry, 10 (2): 140-146. (June 2024)
Pragasan, L.A. and Kalaiselvi, M.

54. Ecological Dynamics of Water Hyacinth in Coimbatore Lakes: Implications for Biomass, Carbon Stock, and Nutrient Management

Asian Journal of Environment & Ecology, 23 (7): 240-251. (June 2024)
Pragasan, L.A. and Vijayakumar, M.

53. The First Occurrence of Entomopathogenic Fungi *Ophiocordyceps nutans* in Tamil Nadu, India

Jordan Journal of Natural History, 11 (1): 74-77. (June 2024)
Edward, P.S., Samson, A., Regupathikannan, J. and Pragasan, L.A.

52. Assessing Colouration in Ichthyology: Insights from the Melanophore Index perspective.

Asian Journal of Fisheries and Aquatic Research, 26(5):32-52. (May 2024)
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51. Water Quality and Environmental Health of Lakes in Coimbatore, India: A Comprehensive Study of the Physicochemical Characteristics.

Asian Journal of Environment & Ecology, 23(7): 11-24. (May 2024)
Pragasan, L.A. and Gomathi, T.

50. Observations of interspecific grooming in Tufted grey langurs (*Semnopithecus priam priam*).

Species, 25:e10s1636 (April 2024)
Vanaraj, G., Pragasan, L.A. and Mutheeswaran S.

49. Effects of nitrogen addition on *Eucalyptus globulus* growth and carbon sequestration potential under various CO₂ climatic conditions.

Geology, Ecology, and Landscapes (Taylor & Francis), 8 (2): 185-193. (April 2024)
Ganesh, K.P. and Pragasan, L.A.

48. Cognizing waste: a comprehensive quantitative and characterization analysis of municipal solid waste in Coimbatore City Municipal Corporation, India.

Journal of Material Cycles and Waste Management, 26(3):1840-1853. (March 2024)
Radhakrishnan, T., Manimekalan, A., Ramaswamy, S.P., Kumar, V.N., Meena, P.S. and Pragasan, L.A.

47. The effect of crop growth stage on the formation and ability of carbon occlusion within phytoliths in rice varieties.

International Journal on Recent and Innovation Trends in Computing and Communication (in press), 10 (12): 747-753 (December 2024)
Raja, R. and Pragasan, L.A.

46. Damage of trees by forest Elephants (*Elephas maximus*) in Cauvery Wildlife Sanctuary, Western Ghats, Karnataka: Are they sustainable?

Species, 24:e61s1563 (July 2023)
Vanaraj, G. and Pragasan, L.A.



45. Seed dispersal modes of tree species and their relation with altitudinal gradient from tropical forests of Eastern Ghats, India.

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Pragasam, L.A.

44. Photocatalytic degradation of organic pollutants and inactivation of pathogens under visible light via SnO₂/rGO composites.

Chemosphere, 335: 139102. (June 2023)
Priyadharsan, A., Palanisamy, G., Pragasam, L.A., Albeshr, M.F., Alrefaei, A.F., Lee, J. and Liu, X.

43. Development of silver oxide-loaded reduced graphene oxide nanohybrids for enhanced photocatalytic activity under visible light in aqueous solutions.

Chemosphere, 336: 139227 (June 2023)
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42. Age effects of millet crops on phytolith carbon sequestration.

Applied Ecology and Environmental Sciences, 10 (12): 747-753 (December 2022)
Vidhya, R. and Pragasam, L.A.

41. Do elephants (*Elephas maximus*) debark specific tree species? Western Ghats, South India.

Species, 23 (72): 581-587 (December 2022)
Vanaraj, G., Pragasam, L.A. and Krishnakumar, B.M.

40. Enhanced photocatalytic degradation of organic pollutants by Ag-TiO₂ loaded cassava stem activated carbon under sunlight irradiation.

Chemosphere, 302: 134844. (September 2022)
Sathishkumar, K., Sowmiya, K., Pragasam, L.A., Rajagopal, R., Sathya, R., Ragupathy, S., Krishnakumar, M., Reddy, V.R.M.

39. Visible light photocatalytic and magnetic properties of V doped γ -Fe₂O₃ (VFO) nanoparticles synthesized by polyol assisted hydrothermal method.

Chemosphere, 307: 135575. (July 2022)
Ramprasath, R., Pragasam, L.A., Manikandan, V., Sudha, S., Cholan, S., Alarfaj, A.A., Hirad, A.H., Gokul, B and Sampath, S.

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activation: Studies on equilibrium isotherm

Environmental Research (Elsevier), 212: 113497. (May 2022)
Samiyammal, P., Kokila, A., Pragasam, L.A., Rajakrishnan, R., Sathya, R., Ragupathy, S., Krishnakumar, M., Reddy, V.R.M.

37. Novel African tulip fruit waste-derived biochar nanostructured materials for the removal of widespread pharmaceutical contaminant in wastewaters. Biomass Conversion and Biorefinery

Biomass Conversion and Biorefinery (May 2022)
Ganesan, S., Shanmugam, S., Alagarasan, J.K., Pragasam, L.A., Savunthari, K.V., Lo, H.M., Ponnusamy, V.K

36. Microwave-assisted green synthesis of multi-functional carbon quantum dots as efficient fluorescence sensor for ultra-trace level monitoring of ammonia in environmental water.

Environmental Research 206, 112589. (December 2021)
Ganesan, S., Kalimuthu, R., Kanagaraj, T., Kulandaivelu, R., Nagappan, R., Pragasam, L.A., Ponnusamy, V.K.

35. Green synthesis of V₂O₅/ZnO nanocomposite materials for efficient photocatalytic and anti-bacterial applications.

Applied Nanoscience (Springer). (June 2021)
Ganesan, S., Gurunathan, R., Pasupuleti, R.R., Dahms, H.U., Pragasam, L.A., SenthilKannan, K., Ponnusamy, V.K.

34. Impact of nitrogen addition on growth and carbon sequestration potential of *Syzygium cumini* under different carbon dioxide environment conditions.

Acta Ecologica Sinica, 42: 431-436. (May 2021)
Pragasam, L.A. & Ganesh K.P.



33. Dietary practices followed during pregnancy by the tribes of Idukki District, Kerala: A qualitative study

International Journal of Biosciences, 18 (2): 252-260. (February 2021)
Nithula, N. and Pragasan, L.A.

32. Activity and dietary budgets of Tufted grey langurs (Semnopithecus priam priam).

Ethology Ecology & Evolution (Taylor & Francis). (February 2021)
Vanaraj, G., & Pragasan, L.A.

31. Facile and Low-Cost Production of Lantana Camara stalk-Derived Porous Carbon Nanostructures with Excellent Supercapacitance and Adsorption Performance.

International Journal of Energy Research (John Wiley & Sons Ltd) 2020; 1-10. (August 2020)
Ganesan, S., Eswaran, M., Chokkiah, B., Dhanusuraman, R., Pragasan, L.A., Ponnusamy, V.K., Kumar, G. & Pugazhendhi, A.

30. Population Status and Distribution of Tufted Grey Langur at the Kalakkad-Mundanthurai Tiger Reserve, Southern Western Ghats.

Gedrag & Organisatie Review - 33 (03): 270-290. (July 2020)
Ganapathy, V., Pragasan, L.A., Nandakumar, R. & Janarthan, K.

29. Tree carbon stock and its relationship to key factors from a tropical hill forest of Tamil Nadu, India.

Geology, Ecology, and Landscapes (Taylor & Francis). (March 2020)
Pragasan, L.A.

28. Discarded biodiesel waste-derived lignocellulosic biomass as effective biosorbent for removal of sulfamethoxazole drug.

Environmental Science and Pollution Research (Springer). 27(15): 17619-17630. (December 2019)
Ganesan, S., Karthick, K., Namasivayam, C., Pragasan, L.A., Kirankumar, V.S., Devaraj, S. & Ponnusamy, V.K.

27. Absolute removal of ciprofloxacin and its degraded byproducts in aqueous solution using an efficient electrochemical oxidation process coupled with adsorption treatment technique.

Journal of Environmental Management (Elsevier) 245: 409-417. (September 2019)
Ganesan, S., Amirthalingam, M., Arivalagan, P., Govindan, S., Palanisamy, S., Pragasan, L.A., & Ponnusamy, V.K.

26. Effect of nitrogen addition on growth and carbon sequestration potential of Azadirachta indica under different climatic conditions.

Journal of Emerging Technologies and Innovative Research, 6(5): 2743-2749. (May 2019)
Ganesh, K.P. & Pragasan, L.A.

25. Species diversity and abundance of birds on Bharathiar University campus, Tamil Nadu, India.

Journal of Threatened Taxa 10(6): 11725-11731. (May 2018)
Pragasan, L.A. & Madesh, M.

24. Effective electrochemical degradation of Piroxicam by RuO₂/TaO₂/IrO₂-TiO₂ Mesh Anodes.

International Journal of Pharma and Bio Sciences 9 (2): 22-29. (April 2018)
Sivarasan, G. & Pragasan, L.A.

23. Kinetics and isotherm studies on acid dye adsorption using thermal and chemical activated Jatropha husk carbons.

Environmental Progress & Sustainable Energy 37 (2): 719-732. (September 2017)
Karthick, K. Namasivayam, C. & Pragasan, L.A.

22. Assessment of air pollution tolerance levels of selected plants at Tamaka industrial site of Kolar, Karnataka, India.

Indian Journal of Scientific Research 17 (1): 25-29. (May 2017)
Ganesan, N. & Pragasan, L.A.

21. Removal of Direct Red 12B from aqueous medium by ZnCl₂ activated Jatropha husk carbon: Adsorption dynamics and equilibrium studies.

Indian Journal of Chemical Technology 24: 73-81. (January 2017)
Karthick, K. Namasivayam, C. & Pragasan, L.A.



20. Removal of Direct Blue 86 from aqueous medium by ZnCl₂ activated Jatropa husk carbon: Adsorption dynamics and equilibrium studies.

Global Journal of Environmental Science and Research 3(2): 61-70 (January 2016)
Karthick, K. Namasivayam, C., Pragasan, L.A., Vishnu, S.N., Vijayakumar, M. & Selvamani, S.

19. Fluctuation of forest floor litter arthropod population at two tropical dry evergreen forests in India.

Indian Forester 142(2): 121-126. (January 2016)
Pragasan, L.A.

18. Assessment of carbon stock of tree vegetation in the Kolli hill forest located in India.

Applied Ecology and Environmental Research 14(2): 169-183. (January 2016)
Pragasan, L.A.

17. Tree carbon stock assessment from the tropical forests of Bodamalai hills located in India.

Journal of Earth Science & Climate Change 6: 314. ISSN 2157-7617. (October 2015)
Pragasan, L.A.

16. Total carbon stock of tree vegetation and its relationship with altitudinal gradient from the Shervarayan hills located in India.

Journal of Earth Science & Climate Change 6: 273. ISSN 2157-7617 (April 2015)
Pragasan, L.A.

15. Assessment of tree carbon stock in the Kalrayan hills of the Eastern Ghats, India.

Walailak Journal of Science and Technology 12(8): 659-670. ISSN 1686-3933. (March 2015)
Pragasan, L.A.

14. Assessment of aboveground biomass stock in the Pachaimalai forest of Eastern Ghats in India.

Applied Ecology and Environmental Research 13(1): 133-145. (August 2014)
Pragasan, L.A.

13. Carbon stock assessment in the vegetation of the Chitteri reserve forest of the Eastern Ghats in India based on non-destructive method using tree inventory data.

Journal of Earth Science & Climate Change S11:001. ISSN 2157-7617. (April 2014)
Pragasan, L.A.

12. A phytogeographic analysis for conservation significance of tree flora of the Eastern Ghats in south India.

Journal of Global Biosciences 3(2): 499-510. ISSN 2320-1355 (April 2014)
Pragasan, L.A.

11. Stand structure and above-ground biomass of two tree plantations at Bharathiar University, Coimbatore.

Indian Forester 140: 29-33. (January 2014)
Karthick, A. & Pragasan, L.A.

10. Litter arthropod population in tropical dry evergreen forests of India

International Journal of Environmental Sciences 3(6): 1935-1946. (December 2013)
Pragasan, L.A.

9. Carbon stock sequestered by tree plantations in university campus at Coimbatore, India.

International Journal of Environmental Sciences 3(5): 1700-1710. (December 2013)
Pragasan, L.A. & Karthick, A.

8. Landscape-level tree diversity assessment in tropical forests of southern Eastern Ghats, India.

Flora – Morphology, Distribution, Functional Ecology of Plants (Elsevier) 205: 728-737. (November 2010)
Pragasan, L.A. & Parthasarathy, N.

7. Flacourtiangomas (Lour.) Raeusch. (Flacourtiaceae) – A new record to tree flora of southern Eastern Ghats, India

Journal of Economic and Taxonomic Botany 34: 407-408. (January 2010)
Pragasan, L.A. & Parthasarathy, N.

6. Biodiversity inventory as a tool to determine forest degradation: a case study from tropical forests of Bodamalai, Eastern Ghats, India.

International Journal of Ecology and Environmental Sciences 35: 329-341. ISSN 0377-015X (December 2009)
Pragasan, L.A. & Parthasarathy, N.



5. Angiosperms, Tree species in tropical forests of southern Eastern Ghats, Tamil Nadu, India.

Check List - Journal of Species Lists and Distribution 5: 542-569. (September 2009)
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4. MemecylonparvifoliumThwaites (Melastomataceae) from southern Eastern Ghats – A new record to tree flora of India

Journal of Economic and Taxonomic Botany 33: 337-338. (January 2009)
Pragasan, L.A. & Parthasarathy, N.

3. Rediscovery of Memecylonmadgolense Gamble (Melastomataceae), after a century from Eastern Ghats of India

Journal of Economic and Taxonomic Botany 33: 426-427. (January 2009)
Pragasan, L.A. & Parthasarathy, N.

2. Plant community structure in tropical rain forest fragments of Western Ghats, India

Biotropica (Blackwell) 38: 143-160. (March 2006)
Muthuramkumar, S., Ayyappan, N., Parthasarathy, N. Muddappa, D., Raman, T.R.S., Selwyn, M.A. & Pragasan, L.A.

1. Litter production in tropical dry evergreen forests of south India in relation to season, plant life-forms and physiognomic groups.

Current Science 88(8): 1255-1263. (April 2005)
Pragasan, L.A. & Parthasarathy, N.

Books/Chapters - 6

6. Trees and Birds of Bharathiar University Campus

Sri Bharani Publication. ISBN: 978-81-998960-4-8. (February 2026)
Pragasan, L.A.

5. Utilization of edible tubers by the Muthuvan tribes of Idukki district, Kerala.

Bhuyan, S.I., Agarwal, H., Islam, M., Teronpi, V., Baruah, D. (Eds.). Biodiversity: Exploration, exploitation and conservation. Research Culture Society and Publication. ISBN 978-93-92504-01-3. (September 2022)
Nithula, N. & Pragasan, L.A. 2022.

4. Biocarbon Storage Potential of Tea Plantation of Nilgiris, India, in Relation to Leaf Chlorophyll and Soil Parameters.

Balkose, D., Ribeiro, A.A.F., Haghi, A.K., Ameta, S.C. and Chakraborty, T. (Eds.). Chemical Science and Engineering Technology: Perspectives on Interdisciplinary Research. CRC PRESS and Apple Academic Press (USA). ISBN 978-0-351-04832-3 (eBook), 978-1-77188-705-2 (Hardcover) (March 2019)
Pragasan, L.A. & Sarath R.

3. Invasive alien plants in tropical forests of southern Eastern Ghats, India: Ecology and Management

Bhatt, J.R., Singh, J.S., Tripathi, R.S., Singh, S.P. & Kohli, R.K. (Eds.). Invasive Alien Plants: An Ecological Appraisal for the Indian Subcontinent. CAB International Publishing, Wallingford, UK. ISBN 9781845939076 (May 2012)
Parthasarathy, N., Pragasan, L.A. & Muthumperumal, C.

2. Flora of Pondicherry University Campus.

Pondicherry University Publication, Printed at Sudarsan Graphics Pvt. Ltd., Chennai. 398p. ISBN: 978-81-920894-1-6. (February 2011)
Parthasarathy, N., Pragasan, L. A., Muthumperumal, C., and Anbarashan, M.

1. Shola forests and some important species of southernmost Eastern Ghats.

Rawat, G.S. (Ed.). Special Habitats and Threatened Plants of India. ENVIS Bulletin: Wildlife and protected areas, Vol. 11(1). Wildlife Institute of India, Dehradun, India. ISBN 0972 – 088X (August 2008)
Pragasan, L.A., Muthumperumal, C. & Parthasarathy, N.

Conferences - 54

54. Patterns of Phytolith occluded carbon in the soils of Nilgiri Biosphere Reserve, Tamil Nadu and its insights for terrestrial carbon sequestration

In International Conference on "Accelerating Action for A Sustainable Planet: Towards SDG 2030", 13th May 2025, Tamilnadu Agricultural University, Coimbatore, India. (won, Best Oral Presentation Award) (May 2025)
Pragasan, L.A., Nivaethaa, C., and Sreekanth, K.H.



53. Melanophore Index as an Indicator of Chromium Toxicity in *Cyprinus carpio*

International Conference on Marine Biodiversity, Genomics and Sustainable Development, 09-11th April 2025, Cochin University of Science and Technology, Kerala, India. (April 2025)

Nivethitha, P. and Pragasan, L.A.

52. Exploring the method for the extraction of soil phytolith from Nilgiri Biosphere Reserve, Tamil Nadu.

Workshop on "Applications of Advanced Analytical Techniques in Research & Industry", 18-19th February 2025, IIT Bombay, Mumbai, India. (February 2025)

Nivaethaa, C., Pragasan, L.A. and Sreekanth, K.H.

51. Baseline assessment of microplastics in the mangrove sediments of Puducherry region, India.

Water Fest'25 Conference cum Student Research Symposium on "Wetlands Conservation", 13-15th February 2025, jointly organized by MIT-WPU and Svarnim Puducherry (Sri Aurobindo Society), held at Sharanam Convention Centre, Puducherry. (February 2025)

Akila, S.P. and Pragasan, L.A.

50. Assessing the presence of soil phytoliths in Nilgiri Biosphere Reserve of Tamil Nadu to promote terrestrial carbon sequestration.

International Conference on "Frontier Research in Life Sciences", 23-24th January 2025, University of Madras, Chennai, India. (January 2025)

Nivaethaa, C., Pragasan, L.A. and Sreekanth, K.H.

49. Genotoxic and Physiological Impacts of Cadmium Chloride on *Cyprinus carpio*: A Multi-Assay Evaluation.

International Conference on Environmental and Molecular Mutagenesis: Genomic Integrity and Implications to Human Health, 28-31st January 2025, Annamalai University, Tamil Nadu, India. (January 2025)

Nivethitha, P. and Pragasan, L.A.

48. Genotoxic Effects of Mercury Chloride in *Cyprinus carpio*: Implications for Aquatic Animal Health and Ecosystem Sustainability.

International Workshop on Aquaculture Medicine and Aquatic Animal Health Management in Asia-Pacific: Status, Constraints and the Way forward (AQUAMAP 25), 16-18th January 2025, National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kochi, India. (January 2025)

Nivethitha, P. and Pragasan, L.A.

47. Melanophore Index in Fishes: Insights into Heavy Metal Induction.

Marine Biology Research Symposium, 23-25th January 2024, Sathyabama Institute of Science and Technology, Chennai, India. (January 2025)

Nivethitha, P. and Pragasan, L.A.

46. Soil carbon sequestration initiatives driving climate action in Puducherry

International conference on Climate Action (Envirosummit 2024), Ecology and Environment, 1st March 2024, MIT World Peace University, Pune. (March 2024)

Akila, S.P. and Pragasan, L.A.

45. Predicting *Avicennia marina* plantation zones in India using ecological niche modeling for carbon neutrality.

International Conference on Sustainable Development Towards 2030 (ICSD-2024), 5-7th March 2024, Bishop Heber College, Tiruchirappalli. (March 2024)

Akila, S.P., Edward, P.S., Regupathikannan, J. and Pragasan L.A.

44. Ecological niche modelling- A geospatial perspective on distribution and conservation of *Apis dorsata* Fabricus, 1793 in Tamil Nadu, India.

International Conference (2nd) proceedings on Insects, Microbes and Environment: Interactions, Impacts and Innovations, 28-29th February 2024, Loyola College (Autonomous), Chennai. (February 2024)

Edward, P.S., Regupathikannan, J., Akila, S.P. and Pragasan L.A.

43. AHP-GIS based garbage vulnerability zone mapping: a case study from Coimbatore city, India.

Esri User Conference, organized by ESRI, held at San Diego, California, USA. (July 2023)

Radhakrishnan, T. Manimekalan, A. and Pragasan, L.A.



42. Mangroves: Guardians of the coastline and climate - a review in India.

17th Annual National Conference on World Mangroves Day organized by Paryavaran Dakshata Mandal, SIES (Nerul) college of Arts, Science and Commerce, Navi Mumbai. (July 2023)

Akila, S.P. and Pragasan, L.A.

41. Experimental study on the impact of nitrogen enrichment on growth and carbon sequestration potential of Mangifera indica under different CO₂ conditions".

13th NABS National Conference on "Current Perspectives for Sustainable Development in Life Sciences, Environment and Agriculture", 23-25th January, Periyar University, Salem, Tamil Nadu. (January 2023)

Ganesh, K.P. and Pragasan, L.A.

40. Phytolith carbon sequestration potential of rice crop varieties at different growth phases cultivated in Tamil Nadu, India.

8th International Conference on Environment and Ecology (ICEE – 2022) (August 2022)

Vidhya, R. and Pragasan, L.A.

39. Utilization of edible tubers by the Muthuvan tribes of Idukki district, Kerala, India.

International Conference on Biodiversity: Exploration, Exploitation and Conservation for Sustainable Development (ICB-01), Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya, Assam, India. (January 2022)

Nithula, N. and Pragasan, L.A.

38. Evaluating carbon sequestration potential of millet crops cultivated in Tamil Nadu, India.

International Conference on Climate Change-An Imminent Global Emergency (ICCCIGE – 2021), University of Delhi, Delhi. (December 2021)

Vidhya, R. and Pragasan, L.A.

37. Determination of Silica and Carbon sequestration potential of two Bamboo species.

National Conference on "Frontiers in Ecobiological Sciences and Applications", 16-18th October, Periyar University, Salem, Tamil Nadu. (October 2019)

Gnanambal, T., Vidhya, R. and Pragasan, L.A.

36. Physico-chemical quality of well water in Palakkad district of Kerala, India.

National Conference on "Frontiers in Ecobiological Sciences and Applications", 16-18th October, Periyar University, Salem, Tamil Nadu. (October 2019)

Reshma, B., Ganesh, K.P. and Pragasan, L.A.

35. Contribution of wild tubers in the food security of the tribes of Adimali, Kerala

National Conference on "Frontiers in Ecobiological Sciences and Applications", 16-18th October, Periyar University, Salem, Tamil Nadu. (October 2019)

Nithula, N. and Pragasan, L.A.

34. Effects of nitrogen addition on the growth of Syzigium cumini under different climatic conditions.

National Conference on Environmental Monitoring, Impact Assessment and Management (NCEMIAM-19) held on 16th March, 2019, at the SSN College of Engineering, Department of Physics, Kalavakkam-603110, Chennai. (March 2019)

Ganesh, K.P. and Pragasan, L.A.

33. Population status of Tufted Grey Langur (Semnopithecus priam priam Blyth 1844) in the forest and adjacent villages of Kalakad-Mundanthurai Tiger Reserve, India.

National Conference on "Biodiversity Recent Developments & Future Strategies, 16-17th November 2018, Kuvempu University, Shivamogga, Karnataka. (November 2018)

Vanaraj, G. and Pragasan, L.A.

32. Enhancement of Lead removal from aqueous solution through V₂O₅/ZnO composites: Kinetics and equilibrium studies.

1st International Conference on Water Resources and Sustainability (ICWRS) and 3rd International Conference on Alternative Fuels, Energy and Environment (ICAFEE): Future and Challenges (ICWRS & ICAFEE 2018), Nanjing, China (October 2018)

Sivarasan, G., Karthick, K., Sabarinathan, D., Sathiskumar, S., Kumar, P.S.M., Arulmani, S., Pasupuleti, R.R., Ponnusamy, V.K. and Pragasan, L.A.



31. Combined anodic Oxidation and adsorption remediation of antibiotic Ciprofloxacin in aqueous solution and monitoring its toxicity through expression stressresponsive genes in Caenorhabditis elegans

1st International Conference on Water Resources and Sustainability (ICWRS) and 3rd International Conference on Alternative Fuels, Energy and Environment (ICAFEE): Future and Challenges (ICWRS & ICAFEE 2018), Nanjing, China (October 2018)

Sivarasan, G., Shanmugam, G., Ponnusamy, V.K., Sundararaj, P. and Pragasan, L.A.

30. Application of ZnCl₂ activated Jatropha husk carbon for kinetics and isotherm studies on

Sulfamethoxazole and Reactive dye adsorption.

1st International Conference on Water Resources and Sustainability (ICWRS) and 3rd International Conference on Alternative Fuels, Energy and Environment (ICAFEE): Future and Challenges (ICWRS & ICAFEE 2018) (October 2018)

Karthick, K., Sivarasan, G., Namasivayam, C., Pragasan, L.A., Ponnusamy, V.K.

29. Ecological importance of bamboo in carbon sequestration for mitigation of global warming and climate change.

National Conference on Basic and Applied Biological Sciences, 10-11th October 2018, Bharathiar University, Coimbatore, TN. (October 2018)

Pragasan, L.A., T. Gnanambal and R. Vidhya.

28. Assessment of Carbon Stock and Silica Content in different plant parts of two Bamboo species (Bambusa spp.) in Coimbatore, India.

National Conference on Basic and Applied Biological Sciences, 10-11th October 2018, Bharathiar University, Coimbatore, TN. (October 2018)

T. Gnanambal, R. Vidhya and Pragasan, L.A.

27. Potential of Mushroom waste compost over vermitechnology: an experimental research on selected crop species.

Student Projects Scheme Seminar cum Exhibition 2017-2018, organized by Tamilnadu State Council for Science and Technology, Chennai, 20-21st July 2018, at National College (Autonomous), Tiruchirapalli, TN. (July 2018)

Pradeep, R.V. and Pragasan, L.A.

26. Lake water quality assessment in Coimbatore district of Tamil Nadu, India

International Conference on Water Resources (ICWR – 2018), University of Kerala, Thiruvananthapuram, Kerala. (March 2018)

Ganesh, K.P., Gomathi, T. and Pragasan, L.A.

25. Carbon Stock Assessment: A case study from Pachaimalai hills, Eastern Ghats, India.

International Conference on Biodiversity and Sustainable Resource Management (ICBSRM – 2018), Madras University, Chennai, TN. (March 2018)

Pragasan, L.A.

24. Population structure of Tufted Gray Langur (Semnopithecus priam ssp priam Blyth, 1844) at Kalakad

Mundanthurai Tiger Reserve, Western Ghats, India: A Preliminary Study.

National Conference on "Biodiversity and its Conservation: Priorities and Challenges, 12-13th March 2018, Bharathiar University, Coimbatore, TN. (March 2018)

Vanaraj, G. and Pragasan, L.A.

23. Assessment of air pollution tolerance index of plant species at Tamaka industrial site of Kolar district, Karnataka, India

International Conference on Science and Humanities for Grooming the Future, Bharathiar University, Coimbatore, TN (February 2018)

Pragasan, N. and Pragasan, L.A.

22. Determination of air pollution tolerance index of selected plants at Narasapura industrial site of Kolar district, Karnataka, India.

International Conference on Science and Humanities for Grooming the Future, Bharathiar University, Coimbatore, TN. (February 2018)

Pragasan, N. and Pragasan, L.A.

21. Combined Anodic Oxidation and Adsorption Treatments for Aqueous Solution Containing Antibiotic Ciprofloxacin- A Novel Approach.

National level Conference on "Reaching the Unreached through Science and Technology- Concepts, Principles and Application of Science and Technology for Nation Building", Kongunadu Arts and Science College, Coimbatore, Tamil Nadu (October 2017)

Sivarasan, G., Sabarathinam, S., Asthitva, A., Rakhi A. and Pragasan, L.A.



20. Air pollution tolerance index of selected plants in the industrial areas of Kolar, Karnataka, India.

International Conference on "Environment and Ecology", Bharathiar University, Coimbatore, TN. (March 2016)
Ganesan, N. and Pragasan, L.A.

19. Estimation of carbon storage in tea plantations located in three different altitudes at Valparai, Coimbatore district, India.

International Conference on "Environment and Ecology", Bharathiar University, Coimbatore, Tamil Nadu (March 2016)
Sivasankar, K. and Pragasan, L.A.

18. Removal of direct blue 86 from aqueous medium by zncl2 activated jatropha husk carbon: adsorption dynamics and equilibrium studies.

International Conference on "Environment and Ecology", Bharathiar University, Coimbatore, TN. (March 2016)
Vishnu, S.N., Vijayakumar, M., Selvamani, S., Pragasan, L.A. and Karthick, K.

17. Population structure of Indian Peafowl Pavo cristatus Linn. (Phasianidae) at Bharathiar University campus, India.

National Conference on "Frontiers in Eco-Biological Research and Applications", 17th March, Periyar University, Salem, Tamil Nadu. (March 2016)
Vishnu, N. and Pragasan, L.A.

16. Phytogeographic analysis of tree flora in Eastern Ghats of south India.

National Seminar on Emerging Trends in Environmental Science and Technology (NSETEST-2014), 14-15th March, Yogi Vemana University, Andhra Pradesh. (March 2014)
Pragasan, L.A.

15. Carbon sequestration by woody species in Chitteri reserve forest of Eastern Ghats, India.

National Conference on "Frontiers in Environmental Research and Applications", 17th February, Periyar University, Salem, Tamil Nadu. (February 2014)
Pragasan, L.A. 2014.

14. A preliminary study on the bird diversity of Bharathiar University campus.

National Conference on "Frontiers in Environmental Research and Applications", 17th February, Periyar University, Salem, Tamil Nadu. (February 2014)
Madesh, M. and Pragasan, L.A.

13. Total carbon storage by selected tree species at Bharathiar University campus, Coimbatore.

National Conference on "Frontiers in Environmental Research and Applications", 17th February, Periyar University, Salem, Tamil Nadu. (February 2014)
Aiswariya, S. and Pragasan, L.A.

12. Mitigation of atmospheric CO₂ through forest carbon sequestration: a case study from Bodamalai reserve forest of Eastern Ghats, India

International Conference on "Harmony with nature in context of Ecotechnological intervention and climate change, Gorakhpur University, Uttar Pradesh. (November 2013)
Pragasan, L.A.

11. Biodiversity and bioresource values of tree species in tropical forests of southern Eastern Ghats, India.

National Conference on "Biodiversity for Sustainable Development: Threats, Indicators, Climate Change, Poverty Allevation and Targets for Safeguarding Biodiversity", 25th – 27th August, Madurai Kamaraj University, Madurai.pp.115 (August 2010)
Pragasan, L.A. and Parthasarathy, N.

10. Forest canopies and liana stratification in tropical evergreen forests of peninsular India.

5th International canopy conference 2009, Bangalore. (May 2009)
Parthasarathy, N., Muthumperumal, C., Pragasan, L.A. and Anbarashan, M.

9. Biodiversity inventory as a tool to determine forest degradation: a case study from tropical forests of Bodamalai, Eastern Ghats, India.

3rd Annual Review workshop on Quantitative assessment and mapping of plant resources of Eastern Ghats, 22nd– 23rd December, Anantapur, Andhra Pradesh. (December 2008)
Pragasan, L.A. and Parthasarathy, N.



8. Inventory of trees in the tropical forest of Bodamalais, Eastern Ghats, India.

National Symposium on Knowledge Systems for Ecosystem Management and Sustainable Development, 26th– 27th August, New Delhi. (August 2008)

Pragasas, L.A. and Parthasarathy, N.

7. Diversity and distribution of trees in tropical forests of southern Eastern Ghats.

Tropical Ecology Congress 2007. Biodiversity conservation in the Tropics: Issues, concerns and strategies, Dehra Dun, India. Pp.29-30 (December 2007)

Pragasas, L.A. and Parthasarathy, N.

6. Quantitative assessment of plant diversity, bioresource values and conservation of tropical forests of southern Eastern Ghats, India.

National seminar on conservation of Eastern Ghats, 28th – 29th December, Chennai, India. Pp.14-18 (December 2007)

Parthasarathy, N., Pragasas, L.A., Muthumperumal, C., Raja, S. and Rajkumar, M.

5. Studies on the endemic medicinal plant *Sansevieria roxburghiana* Schult. and Schult. F. in forests of peninsular India.

The National Academy of Sciences, India, 8th – 9th December 2005, Pondicherry University, Puducherry. pp.68 (December 2005)

Parthasarathy, N. and Pragasas, L.A.

4. Light microscopic studies on pollen grains of selected Cyperaceae species from southern Tamil Nadu:

Relevance in Palaeovegetation studies.

Challenges in Indian Palaeobiology: Current Status. Recent Developments and Future Directions, 15th– 16th November 2005, BSIP, Lucknow. pp.95-96 (November 2005)

Prasad, S., Pragasas, L.A. and Anupama, K. 2005

3. Unveiling past environments and landscapes using modern tools and approaches – Value-Addition through contemporary ecological studies and the application of remote sensing in pollen studies

Challenges in Indian Palaeobiology: Current Status. Recent Developments and Future Directions, 15th– 16th November 2005, BSIP, Lucknow. Pp. 2-3 (November 2005)

Anupama, K., Prasad, S., Aravajy, S., Sudhakar, S., Pujar, G., Thomas, J.V. and Pragasas, L.A.

2. Reconstruction of Late Holocene Northeast Monsoon from Pollen analysis of sediment sections in a rain-fed irrigation reservoir, Tamil Nadu, India

PAGES Second Open Science Meeting, 10th, Beijing, China. (August 2005)

Anupama, K., Prasad, S., Thomas, J.V., Chakraborty, S., Aslam, A., Pragasas, L.A. and Singhvi, A.K.

1. Forest production and functional ecology of tropical dry evergreen forest of peninsular India.

International symposium on Recent trends in Plant ecology and Biodiversity research, NEHU, Shillong. Pp. 44 (May 2004)

Parthasarathy, N., Pragasas, L.A., Selwyn, M.A. & Swamynathan, B.

Projects

Ongoing - 1

1. Assessment of Phytolith carbon sequestration and phytoliths in different soil profiles across Nilgiri Biosphere Reserve, India DST – SERB Rs.38, 99,440/- (March 2023 - March 2026)

Completed - 5

1. Effect of nitrogen addition on carbon sequestration potential of common agroforestry tree species in normal and elevated carbon dioxide environment DST – SERB Rs.29,95,520/- (March 2017 - March 2020)
2. Effect of climate change on growth and yield of selected legume crops *Vigna radiata*, *Trigonella foenum-graecum* and *Glycine max* Others Rs.5,50,000/- (December 2019 - June 2020)
3. Municipal solid waste characterization and quantification as a measure towards effective waste management for Coimbatore City Municipal Corporation (Co-Principal Investigator) Others Rs.9,45,000/- (May 2020 - June 2021)
4. Flora and Fauna of Bharathiar University Campus Others Rs.30,000/- (March 2016 - March 2017)
5. Potential of Mushroom waste compost over Vermitechnology: An experimental research on selected crop species. Sanctioned under Student Project Scheme 2017-2018 from Tamil Nadu State Council for Science and Technology (TNSCST), DOTE Campus, Chennai. (Principal Investigator) Others Rs.9,900/- (January 2018 - April 2018)