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Dr. E. Pandian, working as Assistant Professor in the Department of Chemistry at SRMIST, Ramapuram, Chennai. He has 11 years of experience in teaching (three years) and research (eight years). He has two post-doctorate, one is National Postdoctoral Fellow (Plant Science) at Manonmaniam Sundaranar University and another is one Institutional Postdoctoral fellow (Genetic Engineering) at SRM University. I received my Ph.D. in the Department of Environmental Science from Pondicherry University (Central University). My research interests include carbon sequestration, green synthesis of nanoparticles, docking and plant diversity conservation. I have 14 published articles in leading journals in the field. My research has been recognized with DST-SERB. From 2020 – 2023, he worked as an Assistant Professor in the Department of Biotechnology Saveetha school of Engineering, Tamil Nadu, India.

Selected articles

1. **Elumalai Pandian** and Perumal Ravichandran. 2023. Climber species composition and distribution pattern along the elevation gradient of Courtallam hills, Southern Western Ghats of India. **Indian Forester (In press)**.
2. Yaashikaa, P. R., Devi, M. K., Kumar, P. S., & **Pandian, E.** (2022). A review on biodiesel production by algal biomass: Outlook on lifecycle assessment and techno-economic analysis. *Fuel*, 324, 124774. [**Impact factor: 8.9**]. **Web of Science/ Scopus/ Science Citation Index**
3. Palasundaram R, Manickam E, Shanmugam V, Annaian S, **Pandian E**, Kavisri M and Seedeve P. (2022). Chemical characterization of *Orchismacula* and its antibacterial efficiency against clinical isolated human pathogenic bacteria. **Biomass Conversion and Biorefinery** (<https://doi.org/10.1007/s13399-022-03022-x>). [**Impact factor: 4.1**]. **Scopus/ Science Citation Index/UGC-Care**
4. S Rajkumar, Nagaraj B, Saktishree J, Santhosh Kumar J, **Pandian E**, Prathap S and Kwang-Hyun Baek (2022). Recent developments in heteroatom/metal-doped carbon dots

based image-guided photodynamic therapy for cancer. *Pharmaceutics* [Impact factor: 6.5]. *Web of Science/ Scopus/*

5. **Pandian, E.** and Parthasarathy, N. 2016. Decadal (2003-2013) changes in liana diversity, abundance and aboveground biomass in four inland tropical dry evergreen forest sites of peninsular India. *Journal of Forestry Research*(Springer) 27(1), 133-146 [Impact factor: 2.4].*Scopus/ Science Citation Index/UGC-Care*
6. **Pandian, E.**and Parthasarathy, N. 2017. Tree growth, mortality and recruitment in four inland tropical dry evergreen forest sites of peninsular India. *Biodiversitas Journal of Biological Diversity*, 18(4), 1646-1656 [Impact factor: 1.36]. *Scopus*
7. **Pandian, E.,** Parthasarathy, N., &Selvan, B. T.(2021).Assessment of tree species diversity and above-ground biomass in two disturbed tropical dry evergreen forests of Coromandel coast of India. *Journal of Applied and Natural Science*, 13(3), 981-992. [Impact factor: 0.2]. *Scopus, UGC-CARE List Group II.*
8. **Pandian, E.** and Parthasarathy, N. 2016. Tree diversity changes over a decade (2003-2013) in four inland tropical dry evergreen forest sites on the Coromandel Coast of India. *Journal of forest and environmental science*, 32(2), 219-235. [Impact factor: 0.2].
9. **Pandian, E. et al.** 2017. Liana growth, mortality and recruitment in four inland tropical dry evergreen forest sites of peninsular India. *Journal of Global Ecology and Environment*, 6 (2), 2454-2644.
10. **ElumalaiPandian** and PerumalRavichandran. 2020. Diversity and threatened climber plants in tropical forests of Courtallam hills, southern Western Ghats, India. *Journal of Tropical Forestry and Environment* 9 (2).*UGC-CARE List*
11. **ElumalaiPandian** and PerumalRavichandran. 2021. Altitudinal variation of soil organic carbon stock in tropical forest of Courtallam hills, Southern Western Ghats of India. *Tropical plant research* 7(3): 702–714, 2020. *UGC-Care*
12. **E. Pandian and S. Revathy. 2023.** Green synthesis of silver nanoparticles by *Dimorphocalyx glabellus* plant and to study their pharmacology activity and in silico analysis for Rheumatoid Arthritis. *Journal of South African Botany*(In press).

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<https://scholar.google.co.in/citations?user=ym0dkNgAAAAJ&hl=en>