LIST OF PUBLICATIONS

Faculty: Dr Subashree Kothandaraman

Department of Environmental Science and Engineering

JOURNAL PUBLICATIONS

1. Liang, J… **Kothandaraman, S.,** et al. 2022. Co-limitation towards lower latitudes shapes global forest diversity gradients. Nature Ecology & Evolution, 6, 1423–1437. https://doi.org/10.1038/s41559-022-01831-x

2. Dar, J.A., **Kothandaraman, S.,** Khare, P.K., Khan, M.L. 2022. Sacred groves of Central India: diversity status, carbon storage and conservation strategies. Biotropica, 13157. https://doi.org/10.1111/btp.13157

3. Raha, D., **Kothandaraman, S.,** Khan, M.L., 2022. Variation in soil organic carbon stocks in three tropical dry deciduous forests of Madhya Pradesh, India. Proceedings of the International Academy of Ecology and Environmental Sciences, 12(1): 1-16.

4. Lone, P.A., **Kothandaraman, S.,** Khan, M.L. 2022. Invasive shrub Lantana camara L. alters the flora and soils in tropical dry deciduous forests of Central India. Biotropica, 13112. https://doi.org/10.1111/btp.13112

5. **Kothandaraman, S**., Karuppusamy, S., Sundarapandian, SM., 2021. Plant diversity, structure and regeneration potential in tropical forests of Western Ghats, India. Acta Ecologica Sinica, 41(4): 259-284. https://doi.org/10.1016/j.chnaes.2020.02.004

6. **Kothandaraman, S.,** Sundarapandian, S., Dayanandan, S., Khan, M.L., 2020. Ecosystem-level carbon storage and its links to diversity, structural and environmental drivers in tropical forests of Western Ghats, India. Scientific Reports 10: 13444. https://doi.org/10.1038/s41598-020-70313-6

7. Dar J.A., **Kothandaraman, S.,** Raha D., Kumar A., Khare PK., Khan, M.L., 2019. Tree diversity, biomass and carbon storage in sacred groves of Central India. Environmental Science and Pollution Research, 26: 298. https://doi.org/10.1007/s11356-019-06854-9

8. Lone, P.A., Dar J.A., **Kothandaraman, S.,** Raha, D., Pandey, P.K., Ray, T., Khare, P.K., Khan, M.L., 2019. Impact of plant invasion on physical, chemical and biological aspects of ecosystems: A review. Tropical Plant Research 6(3): 528-544. https://doi.org/10.22271/tpr.2019.v6.i3.067

9. **Kothandaraman, S.,** Dar J.A., Sundarapandian, SM., 2019. Variation in soil organic carbon stocks with vegetation type in tropical forests of Western Ghats, India.

Environmental Monitoring and Assessment, 191: 410. https://doi.org/10.1007/s10661-019-7881-6

10. Dar, J.A, **Kothandaraman, S.,** Bhat, N.A., Rather, M.Y., Sundarapandian, SM., Khare, P.K., Khan M.L., 2018. Climate Change Combat – A Conspectus. International Journal of Environmental Sciences and Natural Resources 13(2): 555857. https://doi.org/10.19080/IJESNR.2018.13.555857

11. Dar, J.A., **Kothandaraman, S.,** Rather, M.Y., Sundarapandian, S., Khan, M.L., 2017. Distribution patterns of tree, understorey and detritus biomass in coniferous and broadleaved forests of Western Himalaya, India. Journal of Sustainable Forestry 36: 787-805. https://doi.org/10.1080/10549811.2017.1363055.

12. **Kothandaraman, S.,** Sundarapandian, S., 2017. Biomass and carbon stock assessment in two savannahs of Western Ghats, India. Taiwania 62(3): 272-282. https://doi.org/10.6165/tai.2017.62.272

13. **Kothandaraman, S.,** Sundarapandian, S., 2017. Structure of plant community in tropical deciduous forests of Kanyakumari Wildlife Sanctuary, India. Biodiversitas Journal of Biological Diversity 18(1): 391-400. https://doi.org/10.13057/biodiv/d180150

14. Sundarapandian, SM., Amritha, S., Gowsalya, L., Kayathri, P., Thamizharasi, M., Dar J.A., Srinivas, K., Gandhi, D.S., **Kothandaraman, S.,** 2016. Soil organic carbon stocks in different land uses in Pondicherry University campus, Puducherry, India. Tropical Plant Research 3(1): 10-17.

15. Sundarapandian, SM., Amritha, S., Gowsalya, L., Kayathri, P., Thamizharasi, M., Dar J.A., Srinivas, K., Gandhi, D.S., **Kothandaraman, S.,** 2015. Soil Organic Carbon Stocks in Different Land Uses at Puthupet, Tamil Nadu, India. STM Journals: Research & Reviews: Journal of Ecology 4(3): 6-14. https://doi.org/10.37591/rrjoe.v4i3.596

16. Sundarapandian, SM., Amritha, S., Gowsalya, L., Kayathri, P., Thamizharasi, M., Srinivas, K., Gandhi, D.S., **Kothandaraman, S.,** 2014. Biomass and carbon stock assessments of woody vegetation in Pondicherry University campus, Puducherry. International Journal of Environmental Biology 4(2): 87-99.

17. Sundarapandian, SM., Gandhi, D.S., Kantipudi, S., **Kothandaraman, S.,** 2013. Estimation of biomass and carbon stocks in tropical dry forests in Sivagangai District, Tamil Nadu, India. International Journal of Environmental Science and Engineering Research 4(3): 66-76.

BOOK CHAPTERS

1. **Kothandaraman, S**., Bhat, N.A., Sundarapandian, S., Khan, M.L. Tree plantation: a silver bullet to achieve carbon neutrality? In: Panwar, P., Shukla, G., Bhat, J.A., Chakravarty, S. (Eds.) Land Degradation Neutrality: Achieving SDG 15 by Forest

Management, Springer Nature, Singapore, pp. 205-227. https://doi.org/10.1007/978-981-19-5478-8_12

2. Dar J.A., **Kothandaraman, S.,** Bhat, N.A., Sundarapandian S., Xu, M., Saikia P., Kumar A., Kumar A., Khare P.K., Khan M.L. 2020. Role of Major Forest Biomes in Climate Change Mitigation: An Eco-Biological Perspective. In: Roy, N., Roychoudhury, S., Nautiyal, S., Agarwal, S.K., Baksi, S. (Eds.) Socio-economic and Eco-biological Dimensions in Resource use and Conservation: Strategies for Sustainability. Springer Nature, Switzerland, pp. 483-526. https://doi.org/10.1007/978-3-030-32463-6_24

3. Dar J.A., **Kothandaraman, S.,** Sundarapandian S., Saikia P., Kumar A., Khare P.K., Dayanandan S., Khan M.L. 2019. Invasive Species and Their Impact on Tropical Forests of Central India: A Review. In: Garkoti, S.C., Van Bloem, S.J., Fulé, P.Z., Semwal, R.L. (Eds.) Tropical Ecosystems: Structure, Functions and Challenges in the Face of Global Change. Springer Nature, Singapore, pp. 69-109. https://doi.org/10.1007/978-981-13-8249-9_5

4. Sundarapandian, SM., **Kothandaraman, S.,** 2017. Status of Invasive Plants in Tamil Nadu, India - Their Impact and Significance. In: Ansari, A.A., Gill, S.S., Abbas, Z.K., Naeem, M. (Eds.) Plant Biodiversity: Monitoring, Assessment and Conservation. CAB International, United Kingdom, pp. 371-387. https://doi.org/10.1079/9781780646947.0371

5. Sundarapandian, SM., Muthumperumal, C., **Kothandaraman, S.,** 2015. Biological Invasion of Vines, Their Impacts and Management. In: Parthasarathy, N. (Ed.) Biodiversity of Lianas. Volume 5 of the series Sustainable Development and Biodiversity, Springer International Publishing, Switzerland, pp. 211-253. https://doi.org/10.1007/978-3-319-14592-1_12