

LIST OF PUBLICATIONS

Faculty: Dr Javid Ahmad Dar

Department of Environmental Sciences

JOURNAL PUBLICATIONS

1. **Dar, J.A.**, Subashree, K, Khan, M.L., 2022. Sacred groves of Central India: Diversity status, carbon storage, and conservation strategies. *Biotropica*. <https://doi.org/10.1111/btp.13157> (Wiley, IF 2.858)

2. Liang, J., **Dar, J.A.**,.... et al. 2022. Evidence of co-limitation in global forest diversity gradients. *Nature Ecology and Evolution*. <https://doi.org/10.1038/s41559-022-01831-x> (Nature, IF 19.1)
3. **Dar, J.A.**, Subashree, K, Khan, M.L., 2022. An invasive shrub *Lantana camara* L. alters the flora and soils in tropical dry deciduous forests of Central India. *Biotropica* <https://doi.org/10.1111/btp.13112> (Wiley, IF 2.858)
4. Raha, D., **Dar, J.A.**, 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.
5. Subashree, K., **Dar, J.A.**, 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. (Springer Nature, IF 4.996)
6. Ray, T., Malasiya, D., **Dar, J.A.**, Khan, M.L. 2020. Impact of forest fire frequency on tree diversity and species regeneration in tropical dry deciduous forest of Panna Tiger Reserve, Madhya Pradesh, India. *Journal of Sustainable Forestry* 36. (Taylor & Francis, IF. 1.5)
7. Subashree K., **Dar J.A.**, Karuppusamy, S., Sundarapandian, SM. 2020. Plant diversity, structure and regeneration potential in tropical forests of Western Ghats, India. *Acta Ecologica Sinica*, <https://doi.org/10.1016/j.chnaes.2020.02.004>. (Elsevier)
8. Verma, S., **Dar J.A.**, Khan, M.L. 2019. A MODIS-based spatiotemporal assessment of agricultural residue burning in Madhya Pradesh, India. *Ecological Indicators*, 105:496-504. <https://doi.org/10.1016/j.ecolind.2018.04.042> (Elsevier, IF. 6.263)
9. **Dar J.A.**, Subashree K., 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*, 26:37212–37227 (Springer, IF. 5.190)

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10. **Dar J.A.**, Raha D., Khare P.K., Khan, M.L. 2019. Variation in tree biomass and carbon stocks in three tropical dry deciduous forest types of Madhya Pradesh, India. *Carbon Management*, doi.org/10.1080/17583004.2020.1712181 (Taylor & Francis, IF. 3.520)
 11. Subashree K., **Dar J.A.**, Sundarapandian, S.M. 2019. Variation in soil organic carbon stocks with vegetation type in tropical forests of Western Ghats, India. *Environmental Monitoring and Assessment*, 191:690 (Springer, IF. 3.307)
 12. Lone, P.A., **Dar, J.A.**, Subashree, K., 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.
 13. **Dar J.A.**, Subashree K, Bhat N.A., Rather M.Y., Sundarapandian S.M., Khare P.K., Khan M.L. 2018. Climate Change Combat – A Conspectus. *International Journal of Environmental Sciences & Natural Resources*, 13(2):1-4.
 14. **Dar J.A.**, Rather M.Y., Subashree K., 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. (Taylor & Francis, IF. 1.425)
 15. **Dar J.A.** Sundarapandian S. 2016. Patterns of plant diversity in seven temperate forest types of Western Himalaya, India. *Journal of Asia-Pacific Biodiversity*, 9(3): 280-292. (Elsevier, IF. 0.804)
 16. Sundarapandian S., Amritha S., Gowsalya L., Kayathri P., Thamizharasi M., **Dar J.A.**, Srinivas K., Sanjay G.D. Subashree K. 2016. Soil organic carbon stocks in different land uses in Pondicherry university campus, Puducherry, India. *Tropical Plant Research*, 3(1):10-17.
 17. Sundarapandian S., Amritha S., Gowsalya L., Kayathri P., Thamizharasi M., **Dar J.A.**, Srinivas K., Sanjay G.D. Subashree K. 2015. Soil Organic Carbon Stocks in Different Land Uses at Puthupet, Tamil Nadu, India. *Research & Reviews: Journal of Ecology*, 4(3):6-14.
 18. **Dar J.A.** Sundarapandian S. 2015. Variation of biomass and carbon pools with forest type in temperate forests of Kashmir Himalaya, India. *Environmental Monitoring and Assessment*, 187: 55. (Springer, IF. 3.307)
 19. **Dar J.A.** Sundarapandian S. 2015. Altitudinal variation of soil organic carbon in temperate forests of Kashmir Himalayas, India. *Environmental Monitoring and Assessment*, 187: 11. (Springer, IF. 3.307)
 20. **Dar J.A.**, Ganie K.A. Sundarapandian S.M. 2015. Soil CO₂ efflux among four coniferous forest types of Kashmir Himalaya, India. *Environmental Monitoring & Assessment*, 187: 715. (Springer, IF. 3.307)
 21. Sundarapandian S.M., **Dar J.A.**, Gandhi D.S., Kantipudi S. and Subashree K. 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.

22. Ahmad S., Dar H.U., **Dar J.A.**, Majeedi Z.M. 2013. Impact of varying disturbances on the structure and composition of grassland vegetation in Anantnag, Kashmir Himalayas. *Proceedings of the International Academy of Ecology and Environmental Sciences*, 3(3): 219-228.

BOOK CHAPTERS

1. Subashree K., **Dar J.A.**, Bhat, N.A., Sundarapandian S., Khan M.L. 2022. 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, Singapore. https://doi.org/10.1007/978-981-19-5478-8_12

2. **Dar J.A.**, Subashree K., 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.

3. **Dar J.A.**, Subashree K., 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.

ONLINE COURSES

2020 – Online certificate course on “Ecosystem Services: a Method for Sustainable Development” offered by University of Geneva via Coursera.

2020 – Online certificate course on “Understanding Phenology with Remote Sensing” offered by NASA’s Applied Remote Sensing Training

2020 – Online certificate course on “Cartography” offered by Environmental Systems Research Institute (ESRI)

2020 – Online certificate course on “Ecology: Ecosystem Dynamics and Conservation” offered by American Museum of Natural History and Howard Hughes Medical Institute via Coursera

2020 – Online certificate course on “Biological Diversity (Theories, Measures and Data sampling techniques)” offered by National Research Tomsk State University via Coursera

PROJECTS

- **Funded Research Projects** (as Principal Investigator)

- **Project Title:** Assessment and modelling of carbon and nitrogen dynamics in tropical forests of Eastern Ghats, Andhra Pradesh in response to climate change (Ref.: SRG/2022/002286).
- **Funding Agency:** Science and Engineering Research Board (SERB)- Department of Science and Technology (DST), Govt. of India.
- **Total Project Layout:** 28.54 Lakhs
- **Project Start Date:** November 04, 2022
- **Status:** Ongoing