List of publications:

1. **Chowdhury, A. I.**, Kukkonen, M., Ukonmaanaho, L., Tuula, L., Aleksi, R., Rana, P., **(2024)** (**Under review**). Predicting ecosystem services using remote sensing and machine learning in boreal drained-peatland forests. *ISPRS journal of photogrammetry and remote sensing.*

2. Rana, P., Muinonen, E., **Chowdhury, A. I.,** Tolvanen, M., Vastaranta, M., Tokola, T., **(2024) (in Press).** Can We Monitor Seedling Stands Using Landsat Time Series? *European Journal of Forest Research.*

3. Baul, T. K., **Chowdhury, A. I.**, Uddin, Md. J., Hasan, M. K., Nandi, R., Nath, T. K., & Al-Amin, M. Kilpeläinen, A., **(2024) (in press).** Phytosociology of tree understorey under closed canopy and in canopy gaps at Sitapahar forest reserve, Bangladesh. *Journal of Resources and Ecology.*

4. Raihan, A., Ridwan, M., Bala, S., Mou, A. T., Akhter, A., **Chowdhury, A. I., (2024) (Under review)** Effectiveness of green finance and environmental tax in the Nordic region: The role of technological innovation using STIRPAT model. *Innovation and Green Development*.

5. **Chowdhury, A. I.**, Baul, T. K., Uddin, Md. J., Karmakar, S., Nandi, R., Akhter J., & Nath, T. K., **(2022).** Quantifying the potential contribution of urban trees to particulate matters removal: A study in Chattogram city, Bangladesh. Journal of cleaner production, 380 (2022): 135015. https://doi.org/10.1016/j.jclepro.2022.135015

6. Baul, T. K., **Chowdhury, A. I.**, Uddin, Md. J., Hasan, M. K., Kilpeläinen, A., Nandi, R., & Sultana, T., **(2022**). Forest carbon stocks under three canopy densities in Sitapahar natural forest reserve in Chittagong Hill Tracts of Bangladesh. *Forest Ecology and Management, 492, 119217.* https://doi.org/10.1016/j.foreco.2021.119217

7. Baul, T. K., **Chowdhury, A. I.**, Uddin, Md. J., Hasan, M. K., Nandi, R., Nath, T. K., & Kilpeläinen, A., **(2022)** Evaluating gap characteristics and their effects on regeneration in Sitapahar forest reserve, Bangladesh**.** *European Journal of Forest Research.* https://doi.org/10.1007/s10342-022-01502-3

8. Baul, T. K., **Chowdhury, A. I.**, Uddin, Md. J., Hasan, M. K., Schmidt, L. H., Nandi, R, & Nath, T. K., **(2022)** Diversity and Phytosociology of Natural Regeneration in a Sub-tropical Forest of Chittagong Hill Tracts, Bangladesh: Implications for Conservation. *Journal of Sustainable Forestry,* 1-14. https://doi.org/10.1080/10549811.2022.2059517

9. Baul, T. K., **Chowdhury, A. I.**, Uddin, Md. J., Hasan, M. K, Kilpeläinen A.; Nandi R.; Karmakar S.; Akhter J., **(2023)** Effects of fragmentation and shifting cultivation on soil carbon and nutrients: A case study in Sitapahar forest, Bangladesh. Rhizosphere. https://doi.org/10.1016/j.rhisph.2023.100756