

Dr. Adeel Ahmad | List of Publications

Journal:

1. Gilani, H., **Ahmad, A.**, Younes, I., & Abbas, S. (2022). Impact Assessment of Land Cover and Land Use Changes on Soil Erosion Changes (2005–2015) in Pakistan. *Land Degradation & Development*, 33(1), 204–217. <https://doi.org/10.1002/ldr.4138>
2. Tufail, R., **Ahmad, A.**, Javed, M. A., & Ahmad, S. R. (2021). A Machine Learning Approach for Accurate Crop type Mapping using Combined SAR and Optical Time Series Data. *Advances in Space Research*. <https://doi.org/10.1016/j.asr.2021.09.019>
3. **Ahmad, A.**, Ahmad, S. R., Gilani, H., Tariq, A., Zhao, N., Aslam, R. W., & Mumtaz, F. (2021). A Synthesis of Spatial Forest Assessment Studies using Remote Sensing Data and Techniques in Pakistan. *Forests*, 12(9), 1–32. <https://doi.org/https://doi.org/10.3390/f12091211>
4. Ahmed, N., Wang, G., Booij, M. J., Ceribasi, G., Bhat, M. S., Ceyhunlu, A. I., & **Ahmed, A.** (2021). Changes in Monthly Streamflow in the Hindukush – Karakoram – Himalaya Region of Pakistan using Innovative Polygon Trend Analysis. *Stochastic Environmental Research and Risk Assessment*, 35(9). <https://doi.org/10.1007/s00477-021-02067-0>
5. **Ahmad, A.**, Gilani, H., & Ahmad, S. R. (2021). Forest Aboveground Biomass Estimation and Mapping through High-Resolution Optical Satellite Imagery — A Literature Review. *Forests*, 12(7), 1–20. <https://doi.org/https://doi.org/10.3390/f12070914>
6. Hassan, I., Javed, M. A., Asif, M., Luqman, M., Rashid, S., **Ahmad, A.**, Akhtar, S., & Hussain, B. (2020). Weighted Overlay based Land Suitability Analysis of Agriculture Land in Azad Jammu and Kashmir using GIS and AHP. *Pakistan Journal of Agricultural Sciences*, 57(6), 1509–1519. <https://doi.org/10.21162/PAKJAS/20.9507>
7. Dung, N. B., Minh, D. T., **Ahmad, A.**, & Long, N. Q. (2020). The Role of Relative Slope Length in Flood Hazard Mapping using AHP and GIS (Case Study: Lam River Basin, Vietnam). *Geography, Environment, Sustainability*, 13(2), 115–123. <https://doi.org/10.24057/2071-9388-2020-48>
8. Tong, S. S., Pham, T. L., Nguyen, Q. L., Le, T. T. H., Trinh, L. H., Cao, X. C., **Ahmad, A.**, & Tong, T. H. A. (2020). The Study of Land Cover Change using Change Vector Approach Integrated with Unsupervised Classification Method: A Case in Duy Tien (Vietnam). *Geography, Environment, Sustainability*, 13(2), 175–184. <https://doi.org/10.24057/2071-9388-2019-62>
9. Ashraf, N., Rashid, S., **Ahmad, A.**, & Javed, M. A. (2020). Assessment of Land Suitability for Tea Cultivation Using Geo- Informatics in the Mansehra and Abbottabad District. *Pakistan Journal of Scientific and Industrial Research*, 63A(1), 65–70. <https://v3.pjsir.org/index.php/physical-sciences/article/view/363>
10. Nam, B. U. I. X., Changwoo, L. E. E., Long, N. Q., **Ahmad, A.**, Cao, X. C., Nghia, N. V., Canh, L. C., Hoang, N., Thao, L. Q., Huong, D. T., & Duc, N. Van. (2019). Use of Unmanned Aerial Vehicles for 3D Topographic Mapping and Monitoring the Air Quality of Open-Pit Mines. *Inżynieria Mineralna – Journal of the Polish Mineral Engineering Society*, 44(2), 222–238. <https://doi.org/http://doi.org/10.29227/IM-2019-02-77>

11. Jahan, Z., Sarwar, F., Younes, I., Sadaf, R., & **Ahmad, A.** (2019). Assessment of Smog Pattern and its Effects on Visibility in Lahore using Remote Sensing and GIS. *International Journal of Economic and Environmental Geology*, 10(2), 55–59. <https://doi.org/10.1119/1.2218359>
12. Nguyen, L. Q., **Ahmad, A.**, Cao, C. X., & Le, C. Van. (2018). Designing Observation Lines : A Case Study of the G9 Seam in the Mong Duong Colliery. *Journal of Mining and Earth Sciences*, 59(6), 28–34. https://www.researchgate.net/publication/333560617_Designing_observation_lines_a_case_study_of_the_G9_seam_in_the_Mong_Duong_colliery
13. **Ahmad, A.**, Javaid, U., Javed, M. A., Ahmad, S. R., Jaffri, M. A., & Ashfaq, M. (2016). Landfill Sites Identification using GIS and Multi-Criteria Method : A Case Study of Intermediate City of Punjab , Pakistan. *Journal of Geographic Information System*, 8(February), 40–49. <https://doi.org/10.4236/jgis.2016.81004>
14. Javaid, U., Ahmad, S. R., **Ahmad, A.**, Javed, M. A., & Taj, A. A. (2015). Assessment of Transit Stops Service Area using Geographical Information System – A Case Study of Punjab University Transportation. *Pakistan Journal of Science*, 67(4), 350–358. <http://www.paas.com.pk/pjs.php>
15. Javed, M., Ahmad, S., & **Ahmad, A.** (2013). Assessment of Neighborhood Parks using GIS Techniques in Sheikhpura City. *Pakistan Journal of Science*, 65(2), 305–311. <http://www.paas.com.pk/pjs.php>

Book Chapter:

1. **Ahmad, A.**, Gilani, H., Shirazi, S. A., Pourghasemi, H. R., & Shaukat, I. (2022). Spatiotemporal Urban Sprawl and Land Resource Assessment using Google Earth Engine Platform in Lahore District, Pakistan. In H. R. Pourghasemi (Ed.), *Computers in Earth and Environmental Sciences* (pp. 137–150). Elsevier. <https://doi.org/10.1016/B978-0-323-89861-4.00023-3>
2. Shirazi, S. A., **Ahmad, A.**, & Qureshi, S. (2020). Assessing the Impact of Land Use and Land Cover (LULC) Changes on the Biodiversity of River Ravi, Lahore- Pakistan. In J. H. Breuste, M. Artmann, C. Ioja, & S. Qureshi (Eds.), *Making Green Cities* (pp. 220–233). Springer International Publishing. <https://doi.org/10.1007/978-3-030-37716-8>
3. Akram, W., **Ahmad, A.**, Javed, M. A., & Raoof, A. (2017). Exploring Existing Spatial Patterns of Diarrhea and Proposing New Health Unit Using GIS in District Vehari, Punjab Pakistan. In N. Q. Long, P. T. Lan, N. V. Nghia, K. T. Hung, L. T. T. Ha, & L. P. Hien (Eds.), *Geo-Spatial Technologies and Earth Resources (GTER 2017)* (pp. 83–90). Publishing House for Science and Technology.