

RESEARCH PAPERS

REFEREED RESEARCH PAPER

1. **Yaseen, M.;** Latif, Y.; Waseem, M.; Leta, M.K.; Abbas, S.; Bhatti, A.H. (2022). Contemporary Trends in High and Low River Flows in Upper Indus Basin, Pakistan. *Water* 2022, 14, 337. <https://doi.org/10.3390/w14030337>
2. Abbas, S., Dastgeer, G., **Yaseen, M.** and Latif, Y. (2022). Land-use changes and concerning impacts on soil and vegetation attributions in the Kanshi River Basin, Potohar Plateau, Pakistan. *Land Degradation and Development*, First published: 12 March 2022 <https://doi.org/10.1002/ldr.4252>
3. Abbas, S., Mahmood, M.J. & **Yaseen, M.** Assessing the potential for rooftop rainwater harvesting and its physio and socioeconomic impacts, Rawal watershed, Islamabad, Pakistan. *Environ Dev Sustain* 23, 17942–17963 (2021). <https://doi.org/10.1007/s10668-021-01422-z>
4. Abbas, S., Kousar, S., Shirazi, S.A., **Yaseen, M.**, Latif, Y. Illuminating Empirical Evidence of Climate Change: Impacts on Rice Production in the Punjab Regions, Pakistan. *Agric Res* (2021). <https://doi.org/10.1007/s40003-021-00548-w>
5. **Yaseen, M.;** Waseem, M.; Latif, Y.; Azam, M.I.; Ahmad, I.; Abbas, S.; Sarwar, M.K.; Nabi, G. (2020). “Statistical Downscaling and Hydrological Modeling-Based Runoff Simulation in Trans-Boundary Mangla Watershed Pakistan”. *Water*, 12(11).
6. **Yaseen, M.**, Ahmad, I., Guo, J., Azam, M.I., and Latif, Y., (2020). “Spatiotemporal variability in the hydro-meteorological time-series over upper Indus river basin of Pakistan” *Advances in Meteorology*. <https://doi.org/10.1155/2020/5852760>
7. Azam, M.I., Guo, J., Shi, X., **Yaseen, M.**, Tayyab, M., Hussain, Z., Dai, L., Bashir, H. and Tam, N.T.M., (2020). Spatial Climatic Variability and Impact of El Niño–Southern Oscillation on Extreme Precipitation of River Catchment. *Environmental Engineering Science*. <https://doi.org/10.1089/ees.2019.0440>
8. Azam, M.I., Guo, J., Shi, X., **Yaseen, M.**, Mohammad, A., Lu, H., Tayyab, M., Hussain, Z., Dai, L., (2020). Evaluation of Statistical Model for Future Precipitation and Temperature in Drainage Area of Jhelum River, Pakistan., *Pakistan Journal of Agricultural Sciences*. 57(3), 605-613. DOI: 10.21162/PAKJAS/20.7586
9. Shah, S.I.H., Nawaz, R., Ahmad, S., Arshad, M., Nasir, r., **Yaseen, M.**, Javied, S., Irshad, M.A., (2020): Sustainability assessment of modern urban transport and its role in the reduction of greenhouse gas emissions: A case study of Metro Bus System (MBS), Lahore. *Kuwait Journal of Science*. 47 (2) pp. 67-81.
10. Abbas, S., Kousar, S., **Yaseen, M.**, Mayo, Z. A., Zainab, M., Mahmood, M. J., & Raza, H. (2020). Impact assessment of socioeconomic factors on dimensions of environmental degradation in Pakistan. *SN Applied Sciences*, 2(3), 1-16.
11. Abbas, S., Shirazi, S. A., Hussain, M. S., **Yaseen, M.**, Shakarullah, K., Wahla, S. S., Khurshid, M. (2020). Impact of Climate Change on Forest Cover: Implications for Carbon Stock Assessment and Sustainable Development in HKH Region-Pakistan. *Journal of Pakistan Vision*, 21(1), 66-81.

12. Shirazi, S. A., Abbas, S., Shakarullah, K., Yaseen, M., Mazhar, N., Wahla, S. S., & Khurshid, M (2020). Trends and variability of temperature time series over the kanshi catchment in the Potohar region of Punjab-Pakistan. *Pakistan Journal of Science*, 72(3), 241-248
13. Latif, Y., Yaoming, M., **Yaseen, M.**, Sher M., and Wazir, M.A.; (2019). "Spatial analysis of temperature time series over the Upper Indus Basin (UIB) Pakistan". *Theoretical and Applied Climatology*, <https://doi.org/10.1007/s00704-019-02993-8>.
14. Ijaz Ahmad, I., Ahmed, S.M., Mahmood, S., Afzal, M., **Yaseen, M.**, Saleem, M., and Rizwan, M.; (2019): "To develop a crop water allocation model for optimal water allocation in the warabandi irrigation system." *Arabian Journal for Science and Engineering*. Volume 44, Issue 10, pp 8585–8598.
15. Azam, M.I., Bhatti, M.B., Xiaotao, S., Guo, J., Afzal, M. and **Yaseen, M.** (2018). "Flood occurrence exploration for ungauged river catchment at Jhelum river basin of Pakistan". *International Journal of Hydrology*. 2(4):520-526
16. Shehzad, T., M. **Yaseen, M.**, Afzal, M., Khan, K., Rizwan, M.A., Ahmad, S.R., and Bhatti, H.A. (2017). "Performance evaluation of sodium bentonite material for seepage control in irrigation channels". *Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan*. Vol. 22 No. I.
17. Latif, Y., Yaoming, M., and **Yaseen, M.**, (2016): "Spatial analysis of precipitation time series over the Upper Indus Basin". *Theoretical and Applied Climatology*. **131**, 761–775.
18. Khan, K., **Yaseen, M.**, Afzal, M. and Zaman, Q. (2015): Appraisal of air bubbles discharge measurement technique for different nozzle sizes. *Journal of Science International, Pakistan*. 27(6), 6125-6130.
19. Afzal, M., Zakaullah, **Yaseen, M.**, S. Mahmood, M. S. and Khan, M. A. (2015). Estimation of potential rainfall recharge in the Pothwar area. *Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan* Vol. 20 No. II.
20. Khan, K., **Yaseen, M.**, Latif, Y., and Nabi, G., (2015): "Detection of river flow trends and variability analysis of Upper Indus Basin, Pakistan". *Journal of Science International, Pakistan*. 27(2), 1261-1270.
21. **Yaseen, M.**, Khan, K., Nabi, G., Bhatti, H. A. and Afzal, M.; (2015): "Hydrological trends and variability in the mangla watershed, Pakistan". *Journal of Science International, Pakistan*. 27(2),1327-1335
22. Boota, M. W., Nabi, G., Abbas, T., Hussain, F., **Yaseen, M.** (2015). "An appraisal of statistically approaches for estimation of probable maximum precipitation in highland climatic zone of Pakistan". *Journal of Science International, Pakistan*. 27(3), 1993-1998.
23. Faisal, M., Muzammil, M., Azam, M.I., **Yaseen, M.**, Abbas, Y., Nabi, G., (2015): "Flood Hazard Mapping And Risk Zoning Of The Nullah Deg, Pakistan Using Hydraulic Simulation Model (A Case Study)". *Journal of Science International, Pakistan*. 27(6), 6459-6464.
24. **Yaseen, M.**, Rientjes, T., Nabi, G., Rehman, H. and Latif, M.; (2014): "Assessment of recent temperature trends in Mangla watershed". *Journal of Himalayan Earth Sciences*. Volume 47, No. 1, 2014, pp. 107-121.

25. **Yaseen, M.**, Nabi, G., Rehman, H. and Latif, M.; (2014): “Assessment of climate change at spatio-temporal scales and its impact on stream flows of Mangla watershed”. Pakistan Journal of Engineering and Applied Sciences Volume 14, July 2014.
26. Zakaullah, Ashraf, M., Afzal, M., **Yaseen, M.** and Khan, K., (2014): “Appraisal of Sediment Load in Rainfed Areas of Pothwar Region in Pakistan”. Global Journal of Researches in Engineering: Volume 14 Issue 6 Version 1.0 Online ISSN: 2249-4596 & Print ISSN: 0975-5861.
27. **Yaseen, M.**, Khan, K and Afzal, M. (2014): “Effect of bed configuration on flow resistance under different flow regimes in an open channel”. Global Journal of Researches in Engineering: Volume 14 Issue 7 Version 1.0 Online ISSN: 2249-4596 & Print ISSN: 0975-5861.
28. Bhatti, H. A., Rientjes, T., Verhoef, W., and **Yaseen, M.**; (2013): “Assessing Temporal Stability for Coarse Scale Satellite Moisture Validation in the Maqu Area, Tibet”. Sensors 2013, 13, 10725-10748.

RESEARCH PAPERS PRESENTATIONS IN CONFERENCES

1. Yaseen, M., Ramzan, I., Shahid, S.U., Latif, Y., and Abbas, S. (2021): “Identification of inhomogeneities and change points in climatic data of Upper Indus River Basin, Pakistan”. 3rd International Conference on Emerging Trend in Earth & Environmental Sciences, Organized by College of Earth and Environmental Sciences, University of the Punjab Lahore Pakistan; November 16-18, 2021.
2. Yaseen, M., Afroz, F., Shahid, S.U., Latif, Y., and Abbas, S. (2021): “Assessment of suitable sites for rain water harvesting using geospatial techniques and SCS curve number method in Jhelum River Basin, Pakistan”. 3rd International Conference on Emerging Trend in Earth & Environmental Sciences, Organized by College of Earth and Environmental Sciences, University of the Punjab Lahore Pakistan; November 16-18, 2021.
3. Yaseen, M., Mateen, A., Narmeen, Shahid, S.U., Latif, Y., and Abbas, S. (2021): “Geospatial analysis for the geomorphological characterization of trans-boundary watershed of upper Indus Basin, Pakistan”. 3rd International Conference on Emerging Trend in Earth & Environmental Sciences, Organized by College of Earth and Environmental Sciences, University of the Punjab Lahore Pakistan; November 16-18, 2021.
4. **Yaseen, M.**, Nasir, B, Azam, M.I, Rehman, M.H., and Ahmed, I.; (2017): “Evaluation of suitable design flood frequency approaches for the mountainous watersheds (a case study of Upper Indus Basin)”. International Conference on Hydropower: A Vital Source of Sustainable Energy for Pakistan. CEWRE-UET. Lahore. December 19-20, 2017.
5. **Yaseen, M.**, Naveed, M., Kaleem Sarwar, M. K., Rehman, M. H. and Azam, M. I.; (2017): “Selection of Best Diversion Facility for the Construction of Kohala Hydropower Dam”. International Conference on Hydropower: A Vital Source of Sustainable Energy

for Pakistan. Organized by Centre of Excellence in Water Resources Engineering, University Of Engineering and Technology, Lahore Pakistan. December 19-20, 2017.

6. **Yaseen, M.**, Bhatti, H. A., Rientjes, T., Nabi, G., and Latif, M.; (2013): “Temporal and spatial variations in summer flows of Upper Indus Basin, Pakistan” 72th Annual session of Pakistan Engineering Congress (PEC), Organized by Pakistan Engineering Congress (PEC), Lahore. December, 2013.
7. **Yaseen, M.**, Nabi, G., and Latif, M.; (2011): “Effect of Suspended Sediment on Flow Resistance in an Open Channel”. International Conference on Water Resources Engineering & Management. Organized by Civil Engineering Department, University Of Engineering and Technology, Lahore Pakistan. March 7-8 2011.

BOOK CHAPTERS

1. Latif, Y., Yaoming, M., Ma W., Sher M., and **Yaseen, M.**; (2019): “Snowmelt Runoff Simulation During Early 21st Century Using Hydrological Modelling in the Snow-Fed Terrain of Gilgit River Basin (Pakistan)”. In: Chaminé H., Barbieri M., Kisi O., Chen M., Merkel B. (eds) Advances in Sustainable and Environmental Hydrology, Hydrogeology, Hydrochemistry and Water Resources. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham