

PERSONAL PROFILE

Rizwan Aziz (PhD)

Date of Birth June 18, 1987
Nationality Pakistani
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Address College of Earth and Environmental Sciences, Faculty of Geosciences, University of the Punjab, Quaid e Azam Campus, Lahore
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EDUCATIONAL QUALIFICATION

- 2013- 2018** : **PhD, Civil Engineering (Hydrology & Water Resource Division)**
Middle East Technical University
Ankara, Turkey

PhD Thesis:
<http://etd.lib.metu.edu.tr/upload/12622687/index.pdf>
- 2009-2011** : **M.Sc., Engineering Hydrology**
Centre of Excellence in Water Resources Engineering,
University of Engineering & Technology,
Lahore
- 2005-2009** : **B.Sc., Agricultural Engineering**
University of Agriculture, Faisalabad

PROFESSIONAL EXPERIENCE

- Assistant Professor at College of Earth and Environmental Sciences, Faculty of Geosciences, University of the Punjab, Lahore-Pakistan. (Since June 2023)
- Lecturer of Hydrology at College of Earth and Environmental Sciences, Faculty of Geosciences, University of the Punjab, Lahore-Pakistan. (March 2020-June 2023)
- Assistant Professor at College of Earth and Environmental Sciences, Faculty of Geosciences, University of the Punjab, Lahore-Pakistan. (October 2019-March 2020)

ADMINISTRATIVE EXPERIENCE

- In charge of examination, at College of Earth and Environmental Sciences, University of the Punjab, Lahore-Pakistan. (October 2020- continued).
- Assistant superintendent, Boys Hostel, University of the Punjab, Lahore-Pakistan. (Nov2019- continued)

AREAS OF PROFESSIONAL INTEREST

- Climate Change Impacts on Water Resources
- Hydrological Modelling and Watershed Studies
- Statistical Hydrology and Flood Estimation
- Agricultural Water Management and Irrigation Engineering
- Ground Water and Surface Water Interactions
- Soil-Water-Plant Relationships

PROFESSIONAL TRAININGS

1. Training on techniques used in Drip and Sprinkler Irrigation Systems, Soil and Water Analysis
From: 1/07/2008 To: 15/08/2008
at
Nuclear Institute for Agriculture & Biology, Faisalabad-Pakistan
2. One-month internship on Basic Agriculture and Crop Production Technologies
at
Department of Agriculture (Extension) Government of Punjab, Pakistan

JOURNAL PAPERS/ ABSTRACTS IN INTERNATIONAL CONFERENCES

Publications in International Journals

1. **Aziz R.**, Yucel I., Yozgatligil, C. (2020). *Nonstationarity impacts on frequency analysis of yearly and seasonal extreme temperature in Turkey*. Journal of Atmospheric Research. 238, 104875. ISSN 0169-8095. 10.1016/j.atmosres.2020.104875. (**Impact Factor 5.96, W-Category**)
2. **Aziz R.**, Yucel I (2021). *Assessing nonstationarity impacts for historical and projected extreme precipitation in Turkey*. Theoretical and Applied Climatology 143, 1213–1226. (**Impact Factor 3.42, W-Category**)
3. Anob, Ahmad S. R., **Aziz R.** (2021). *Assessing the ground water quality on human health using GIS: A case study of Bahawalnagar*. Pakistan Journal of Science (Vol. 73. No.2). (**Y-Category**)
4. Awais, M.; Arshad, M.; Ahmad, S.R.; Nazeer, A.; Waqas, M.M.; **Aziz, R.**; Shakoora, A.; Rizwan, M.; Chauhdary, J.N.; Mehmood, Q.; Ahmad, M. *Simulation of Groundwater Flow Dynamics under Different Stresses Using MODFLOW in Rechna Doab, Pakistan*. Sustainability 2023, 15, 661. <https://doi.org/10.3390/su1501066>. (**Impact Factor 3.88, W-Category**)
5. **Aziz, R.**, Yucel, I. *Assessment of changes in return levels of historical and projected high and low flows of upper Euphrates basin in Turkey using nonstationary models*. Environ Monit Assess 195, 576 (2023). <https://doi.org/10.1007/s10661-023-11136-6>. (**Impact Factor 3.3, W-Category**)

Abstracts in International Conferences

Sr. #	Title of Publication	Conference	Year	Venue
1.	Non-stationarities in observed and projected streamflow extremes for upper Euphrates basin (poster presentation)	EGU General Assembly, 2018 Abstract: https://meetingorganizer.copernicus.org/EGU2018/EGU2018-14390-2.pdf	2018	Vienna, Austria
2.	Drought analyses using CORDEX simulations over the Mediterranean climate regions of turkey (poster presentation)	EGU General Assembly, 2018 Abstract: http://adsabs.harvard.edu/abs/2018EGUGA..2013538Y	2018	Vienna, Austria
3.	Nonstationarities in observed and projected streamflows of upper Euphrates basin (oral presentation)	Scientific Congress of The Turkish National Union of Geodesy and Geophysics Abstract: https://docplayer.biz.tr/97570122-Tujjb-bk-bildiriler-track_nr-session-title-authors.html	2018	Izmir, Turkey
4.	Impacts of climate nonstationarities on hydroclimatological extremes in turkey (oral presentation)	8 th Atmospheric Sciences Symposium Abstract: http://www.atmosfer.itu.edu.tr/e proceedings/ATMOS2017.pdf	2017	ITU, Istanbul Turkey
5.	Nonstationary frequency analyses of hydroclimatological extremes over Turkey	EGU General Assembly, 2017 Abstract: https://meetingorganizer.copernicus.org/EGU2017/EGU2017-9535.pdf	2017	Vienna, Austria
6.	Impacts of climate nonstationarities on hydroclimatological extremes (poster presentation)	American Geophysical Union 2016 Fall Meeting Abstract: http://adsabs.harvard.edu/abs/2016AGUFMNH51B1940Y	2016	San Francisco, USA

COMPUTING SKILLS

- Microsoft Office
- Programming (MATLAB, R-Programming)
- Mapping Skills (Using ArcMap & R-Programming)
- Hydrological Modeling (HEC-HMS, HEC-GeoHMS, TopMODEL, HBV, cropWAT)
- Ground Water Modeling (ModFLOW, Excel Based Numerical Modeling)

REFERENCES

- **Dr. Ismail Yucel, Professor**, Civil Engineering Department METU, Ankara
Phone: +90312210 2487 Email: iyucel@metu.edu.tr
- **Dr. Mustafa Tuğrul Yılmaz, Associate Professor**, Civil Engineering Department METU, Ankara.
Phone: +903122105413 Email: tyilmaz@metu.edu.tr
- **Dr. Ceylan Talu Yozgatligil, Professor**, Department of Statistics, METU, Ankara.
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