

# SYED UMAIR SHAHID



Date of Birth: 10-01-1985  
Languages: English, Urdu and Punjabi  
Domicile: Lahore, Punjab  
Email: [rollno1@hotmail.com](mailto:rollno1@hotmail.com)  
Mobile Number: +92 321 4173173

## Experience

Since Oct 2019 Assistant Professor  
Centre for Integrated Mountain Research,  
University of the Punjab, Lahore.

July 2018 to July 2019 Assistant Professor (IPFP)  
College of Earth & Environmental Sciences,  
University of the Punjab, Lahore.

Feb 2008-Oct 2008 Geography Teacher (O-level)  
Aitchison College Lahore.

## Academics

S. No.	Degree	University	Year	Major Subjects
1	PhD	NUST Islamabad	2017	Remote Sensing & Geographical Informarion Systems
2	MS	NUST Islamabad	2012	Remote Sensing & Geographical Informarion Systems
3	M.Sc.	PU Lahore	2008	Geography

## Courses Studied During PhD

- Spatial Analysis and Modeling
- Engineering Aspects of Remote Sensing
- Remote Sensing in Hydrology
- Advanced Spatial Data Management
- Advanced Digital Image Processing
- Spatial Statistics

## PhD Dissertation Title

- Groundwater Vulnerability Assessment of Lahore City based on Modified DRASTIC model in GIS

## Courses Studied During MS

- GeoDatabases and Programming

- Remote Sensing
- Geographical Information Systems
- Spatial Decision Support System
- Research Methods
- Natural Hazard and Disaster Management
- Land Information System
- Geodesy

### MS Dissertation Title

- Groundwater Quality Assessment and its Correlation with Gastroenteritis using GIS: A Case Study of Rawal Town

### Publications

- Shahid, S.U., Iqbal, J. and Hasnain, G., (2014) Groundwater quality assessment and its correlation with gastroenteritis: a case study of Rawal town, Rawalpindi, Pakistan. Environmental Monitoring and Assessment, 186:7525–7537
- Shahid, S.U., Iqbal, J. and Khan, S. J., (2017) A comprehensive assessment of spatial interpolation methods for the groundwater quality evaluation of Lahore, Punjab, Pakistan. NUST Journal of Engineering Sciences (NJES), 10 (1):1-13
- Shahid, S.U. and Iqbal, J., (2016) Groundwater Quality Assessment Using Averaged Water Quality Index: A Case Study of Lahore City, Punjab, Pakistan. Proceedings of World Multidisciplinary Earth Sciences Symposium, Prague, Czech Republic, September 5-9, 2016.
- Shahid, S.U. and Khalid, W., (2019) Geospatial analysis for the assessment of Urban Sprawl Impact on Water Table in Lahore, Punjab, Pakistan. Proceedings of 8th International Conference on Water Resources and Arid Environments, Riyadh, Kingdom of Saudi Arabia, January 22-24, 2019.

### Travel Grant

Research Paper	International Conference	Sponsoring Agency
Geospatial analysis for the assessment of Urban Sprawl Impact on Water Table in Lahore, Punjab, Pakistan	8 <sup>th</sup> International Conference on Water Resources and Arid Environments held on 22-24 January 2019 at King Saud University, Riyadh, Kingdom of Saudi Arabia.	Higher Education Commission , Pakistan

### Courses Developed

Class	Course No	Course Title	University / Department
Ph.D Geomatics	GMT-703	Natural Hazards and Disaster Management	College of Earth & Environmental Sciences, University of the Punjab, Lahore
	GMT-705	Geomatics for Environment	As Above
	GMT-708	Spatial Statistics	As Above
	GMT-710	Water Informatics	As Above
M.Phil. Geomatics	GMT-506	Spatial Analysis and Modeling	As Above
	GMT-510	Geo-statistics	As Above

## Professional Exposure

- Conducted Survey about Urban Tourism in Murree Hills and Adjacent Areas in 2007.
- Attended and Participated in International Conference on Advances in Space Technologies held at NUST, Islamabad in 2008.
- Attended a weekly training on Basic Survey Techniques employed for spatial data collection organized by Army Survey Group, Abbotabad in 2009.
- Attended National Workshop on Hydro-Meteorological Modeling and Simulation using GIS and RS Technologies held at NUST, Islamabad in 2014.
- Attended a weekly training on Basics of Soil Surveying at Soil Survey of Punjab, in 2014.
- Attended International workshop on Water, Sanitation and Resource Recovery Solutions for Sustainable Development held at NUST, Islamabad in 2017.
- Attended a workshop on Google Earth Engine held at University of the Punjab, Lahore in 2018.
- Member of Technical Committee of the 38th All Pakistan Science Conference on Energy Crisis and their Solutions in Pakistan held on 10-11 December 2018 at College of Earth & Environmental Sciences (CEES), Quaid-i-Azam Campus, University of the Punjab, Lahore.

## Achievements

- 1st PhD graduate of IGIS, NUST, Islamabad.
- Merit Scholarship holder at NUST.
- Two times Merit Scholarship Holder during MSc.
- Won Many Prizes in Quiz Competitions.
- Won Scholarship from Board of Intermediate & Secondary Education Lahore.
- 4th Position among Boys in Intermediate in Board of Intermediate and Secondary Education, Lahore.

## ESRI Certifications

- Basics of the Geodatabase Data Model.
- Georeferencing Rasters in ArcGIS.
- Creating and Editing Geodatabase Features with ArcGIS Desktop.
- Learning ArcGIS Spatial Analyst.
- Exploring Spatial Patterns in Your Data Using ArcGIS 10.
- Introduction to ArcGIS 9 Geostatistical Analyst.
- Performing Spatial Interpolation Using ArcGIS 10.
- Learning ArcGIS 3D Analyst.

## Software

- ArcGIS
- Erdas Imagine
- Basics of Google Earth Engine
- MS Office (Excel, Word, PowerPoint)

## References

Available on demand