



TO MAGNIFICO RECTOR OF UNIVERSITA' DEGLI STUDI DI MILANO ID CODE 5934

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze e Politiche Ambientali del**

Scientist- in - charge: **Prof. Maugeri Maurizio**

[Muhammad Shareef Shazil]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Shazil
Name	Muhammad Shareef

PRESENT OCCUPATION

Appointment	Structure
<ul style="list-style-type: none">05/2023 - Current01/02/2022 - Current	<ul style="list-style-type: none">Visiting faculty member Department of Space Science, University of the Punjab, Lahore Teaching GIS, Google earth engine, Advanced GIS LabGeo Spatial Analyst BITBRICKS, Lahore RS&GIS analysis, Supervised classification, Environmental impact assessment

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	MPhil Space Science	University of the Punjab, Lahore 4/4 CGPA	2023
Specialization	Remote Sensing, Advanced Image Processing, Climate Change		
Bachelor (4 years)	BS Physics	The Islamia University of Bahawalpur, Pakistan 3.62/4 CGPA	2020



Course	Getting Started with Python	University of Michigan and offered through Coursera	2022
Training Course	Getting Started with Data visualization in R	John Hopkins University and offered through Courser	2023
Training Course	Advanced training on Urban Heat Islands by NASA	NASA	2022
Training Course	Training on flood modeling by NASA	NASA	2022
	Training on the "Ocean Remote Sensing"	organized by DQGAST, China	2022

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
2022	Student Representative of Narcotics Control Committee (University of Punjab, Lahore)	Lahore

FOREIGN LANGUAGES

Languages	level of knowledge
<ul style="list-style-type: none"> • Mother tongue: • Saraiki • Other language(s): ‘ • Urdu • English • Hindi 	<p>C2 (Native)</p> <p>C2 (Native)</p> <p>C1 (fluent)</p>

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
[2020]	<ul style="list-style-type: none"> • Certificate of Appreciation for the President of BS Cabinet from the Institute of Physics, The Islamia University of Bahawalpur, Pakistan
[2019]	<ul style="list-style-type: none"> • Certificate of Appreciation for Organizing and participating in the “4th Islamian Physicists Alumni Association (IPAA)” organized by Physics Department
[2022]	<ul style="list-style-type: none"> • Certificate of Completion of advanced training on Urban Heat Islands by NASA
[2022]	<ul style="list-style-type: none"> • Certificate of Completion of training on flood modeling by NASA



[2022]	<ul style="list-style-type: none"> • Certificate of participation in the training “Ocean Remote Sensing” organized by DQGAST, China
[2019]	<ul style="list-style-type: none"> • Certificate of Appreciation for Organizing and participating in the “4th Islamian Physicists Alumni Association (IPAA)” organized by Physics Department, The Islamia University of Bahawalpur, Pakistan
[2019]	<ul style="list-style-type: none"> • Certificate of participation in the “International School on Physics and Allied Disciplines “jointly organized by National Center for physics (NCP), Islamabad, Pakistan & The Abdus Salam International Center for Theoretical Physics (AS-ICTP), Italy
[2022]	<ul style="list-style-type: none"> • Certificate of Participation in “11th School on LHC Physics “Organized by National Center for Physics (NCP), Islamabad, Pakistan and ICTP, Italy at NCP, Islamabad.
[2015]	<ul style="list-style-type: none"> • Certificate of Merit from Director Colleges Bahawalpur
[2019]	<ul style="list-style-type: none"> • Awarded Laptop by Prime Minster Youth Scholarship

TRAINING OR RESEARCH ACTIVITY

<p>description of activity</p> <p>Research Experience University of Punjab, Lahore, Pakistan [2021 - Current]</p> <ol style="list-style-type: none"> 1. Geomorphology 2. LULC 3. Climate Change 4. Hydrological Modelling 5. Flood inundation model 6. Wetlands 7. Maritime Monitoring 8. Carbon storage and sequestration
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PROJECT ACTIVITY

Year	Project
2021-23	Interaction between Climate Change and Geomorphology of Gilgit River basin inferences from Geospatial Techniques

PATENTS

Patent



CONGRESSES AND SEMINARS

Date	Title	Place
[2019]	<ul style="list-style-type: none">Participation in the “International School on Physics and Allied Disciplines “jointly organized by National Center for physics (NCP), Islamabad, Pakistan & The Abdus Salam International Center for Theoretical Physics (AS-ICTP), Italy	National Center for physics (NCP), Islamabad
[2022]	<ul style="list-style-type: none">Participation in “11th School on LHC Physics “Organized by National Center for Physics (NCP), Islamabad, Pakistan and ICTP, Italy at NCP, Islamabad.	National Center for Physics (NCP), Islamabad
[2019]	<ul style="list-style-type: none">Certificate of Appreciation for Organizing and participating in the “4th Islamian Physicists Alumni Association (IPAA)” organized by Physics Department	The Islamia University of Bahawalpur, Bahawalpur, Pakistan

PUBLICATIONS

Published articles
1. 'Machine learning based spatial-temporal assessment and change transition analysis of wetlands: An application of Google Earth Engine in Sylhet, Bangladesh(1985-2022)' [2023] Ecological Informatics /doi.org/10.1016/j.ecoinf.2023.102075. Impact Factor (5.1)
2. Sarwar, F., Tariq, F., Shazil, M. S., Batool, S., Mehrdin, N., Samreen Javed, & Mahmood, S. A. (2023). Evaluating Future Climate Projections in Upper Indus Basin through GFDL-ESM2M Model. International Journal of Innovations in Science & Technology, 5(4), 440-460. Retrieved from https://journal.50sea.com/index.php/IJIST/article/view/553

Articles in reviews
1. Urbanization-led land use land cover transitions impact terrestrial carbon storage capacity: a high-resolution remote sensing-based nation-wide assessment in Pakistan over the past three decades (1990 - 2020) Journal (Environmental Impact Assessment Review), Publishing house (Elsevier), 2023
2. ASSESSMENT OF RIVER TRAJECTORY MIGRATION OF KABUL RIVER USING GEOSPATIAL TECHNIQUES AND MULTI-SOURCE DATA, Journal (Water Resources), Publishing house (Springer), 2023
3. Assessing Long-term Climate Variability in Gilgit and Hunza River Basins through Investigation of Temperature and Precipitation Trends, Journal (Theoretical and applied climatology), Publishing house (Springer)



OTHER INFORMATION

1. **DIGITAL SKILLS:**

- Google Earth Engine
- QGIS
- Python
- ArcGIS
- R studio
- Satellite Images Analysis
- Google Earth / Snap
- ERDAS
- InVEST
- SRM

ORGANISATIONAL SKILLS

- President of BS cabinet of Institute of Physics (The Islamia University of Bahawalpur, Pakistan)
- Organized University Study Tour during BS Physics at Islamia University of Bahawalpur, Pakistan
- Organized Sport gala for BS Physics in Institute of Physics 2019
- Class Representative of during BS Physics at Islamia University of Bahawalpur, Pakistan
- Member of the Discipline Committee of IPAA, Institute of Physics, IUB, Bahawalpur
- Student Representative of Narcotics Control Committee (University of Punjab, Lahore)

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Lahore, Pakistan, 31st October, 2023