



Jahanzeb Qureshi

ACADEMIC QUALIFICATION :

M.Phil (GEOMATICS) 2014	University of Punjab, Lahore
M.Sc. (SPACE SCIENCE) 1992	University of Punjab, Lahore
B.Sc. 1989	University of Punjab, Lahore Physics, Mathematics and Space Science

ACADEMIC AND PROFESSIONAL EXPERIENCE

June 2003 till date	Working as a Lecturer in Space Science dept. (University of the Punjab, Lahore)
August 2001 to June 2003	Worked in Balcom (pvt) Ltd. as Manager coordinator administrative affairs.
March 1993 to May 2001	Worked in the capacity of Incharge Paging Communications at DIGITAL RADIO PAGING, LAHORE.

THESIS

A M.Phil Research Thesis on “Remote Sensing study of Tectonic Geomorphology along Kalabagh Fault and Potwar Plateau.

A Master’s Research Thesis on “Detection of intense meteorological systems and their movement through weather satellite pictures in conjunction with surface meteorological data and upper air charts”.

PUBLICATIONS:

- i. S.A. Mahmood, **A. Masood**, J. Qureshi, R.M.A.Khan, Neotectonics of Gilgit-Baltistan: insight from SRTM DEM; in *Geodynamics Research International Bulletin*, ISSN 2345-4997, 3(1): 1-9, S.No.9, **JUNE 2015**.
- ii. S.A. Mahmood, J. Qureshi, **A. Masood**, DEM based appraisal of Neotectonics in Potwar Plateau- N.Pakistan; in *Geodynamics Research International Bulletin*, ISSN 2345-4997, 2(5): 1-8 **(2015)**
- iii. S.A. Mahmood, U. Alvi, J. Sami , J. Qureshi, **A. Masood** , Sahar Mirza , S.M.H Raza, Active Tectonics Study Using Remote Sensing SRTM DEM: a Case Study: Parachinar Syntaxis - NW Pakistan, *Geodynamics Research International Bulletin*, ISSN 2345-4997, 1(2): 23-34,February **(2014)**
- iv. Syed Amer Mahmood, Jahanzeb Qureshi, Sajid Rashid Ahmad, Javed Sami, Amer Masood and Hafiz Muhammad Rafique, " Identification of Neotectonics using DEM -based Local Base-Level Approach in Pothowar Plateau", *Proceedings of the Pakistan Academy of Science*, 50(4): 299-308, (2013). **HEC recognized (X category)**
- v. Jahanzeb Qureshi, Syed Amer Mahmood, Amjed S.Almas, Rauf Irshad and H.M.Rafique, Monitoring spatiotemporal and micro-level climatic variations in Lahore and suburbs using satellite imagery and multi-source data, *Journal of Faculty of Engineering & Technology*, 19(1) :51-65 (2012). **HEC recognized (Y category)**
- vi. A. Masood, S. R. Ahmad, S. A. Mahmood, J. Qureshi, H. M. Rafique and M.S Khan, "Surface deformation through fractal analysis of DEM based spatial drainage patterns in Gilgit Baltistan region (Northern Pakistan)", *Pakistan Journal of Science*, 64(2): 163-172, (2012). **HEC recognized (Y category)**
- vii. J. Qureshi, S. A. Mahmood, A. S. Almas, H. M. Rafique, S.R. Ahmad and A. Masood, "DEM based geomorphic analysis along Kalabagh fault and Potwar Plateau to constrain surface deformation: inferences from remote sensing and GIS", *Pakistan Journal of Science*, 64(2) :108-117, (2012). **HEC recognized (Y category)**
- viii. Jahanzeb Qureshi, Saher Ershad and Shaukat Ali Awan, "Study of Frontal Weather System using satellite images", *Journal of Scientific Research*" C/o Institute of Chemistry, University of the Punjab, Lahore, Pakistan, 34(2): 43-53, (2005).

- ix. Syed Amer Mahmood, Jahanzeb Qureshi and Iftekhar Abbas, "Landuse/Landcover study of urban features using spot imagery", Science International, Lahore, Pakistan (ISSN 1013-5316), 17(3): 195-198, (2005).
- x. Jahanzeb Qureshi, Syed Amer Mahmood and Shaukat Ali Awan, "Monitoring bifurcation of monsoon system through satellite imagery and synoptic data" Science International, Lahore, Pakistan (ISSN 1013-5316), 17(3): 199-200, (2005).
- xi. Jahanzeb Qureshi, Shaukat Ali Awan and Syed Amer Mahmood, "Detection on intense meteorological systems and their movement through weather satellite pictures" Journal of research (science), Bahaudin Zakariya university, Multan, Pakistan (ISSN 1021-1012), 15(4): 351-359, (2004).

PARTICIPATION IN SEMINARS/CONFERENCES:

International Level

- Jahanzeb Qureshi, Syed Amer Mahmood, Amer Masood and Shahid Ghazi, "Remote Sensing study of Tectonic Geomorphology in Potwar Plateau", 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September **2014** in Singapore.
- Amer Masood, Syed Amer Mahmood, Jahanzeb Qureshi and Sadaf Sharif, "Appraisal of neotectonics in Gilgit Baltistan, Northern Pakistan : inferences from Remote Sensing and GIS", 3rd annual international conference on Geological and Earth Sciences (GOES 2014) to be held on 22-23 September **2014** in Singapore.
- S.A.Mahmood, J.Sami, J.Qureshi, A.Masood, H.Batool, Z.Wahid, " Remote sensing and GIS based analysis of Neotectonics in Hazara Kashmir Region, Northern Pakistan", 9th International conference on GI4DM Earth Observation for Disaster Management, Hanoi, Vietnam, (9-11 December), 2013, Institute of Geography, VAST.
- Participated and presented paper on "Earth satellite region link to solar activity" at first International conference on "Aerospace Science & Engineering (ICASE-2009)" at Institute of Space Technology (IST), Islamabad, Pakistan (18-20, August, 2009).
- Jahanzeb Qureshi, Shaukat Ali Awan, Salman Latif, Adnan Ahmad Baig and M. Nouman Khan, "Spatial and Temporal variation in climate of Lahore (Pakistan) due to rainfall", International conference on Water, Environment and Health Sciences: The Challenges of Climate Change (ICWEHS), Mexico. April 13-17 199-218, (2009).

National Level

- A seminar on “Exploring dust and metals in diverse galaxies” arranged by department of Space Science on **22-10-15** by Dr. Tayyaba Zafar.
- A seminar on “Pakistan National Student Satellite (PNSS-1) arranged by Satellite Research & Development Centre, SUPARCO, Lahore , (6-7 February 2014).
- A seminar on “Search for Life in the Universe” arranged by Khwarzimid Science Society by Dr. Salman Hameed (School of Cognitive Science, Hampshire College, U.S.A at Institute of Biotechnology & Biochemistry, University of the Punjab, Lahore, Pakistan, (26-06-2006).
- A seminar on “Satellite Remote Sensing & GIS an Input to Sediment Transportation into Mangla Reservoir” by Prof. Dr. Bob Wasson, Deputy Vice Chancellor, Charles Darwin University & Prof Dr. Waqar Ahmed, Coordinator Remote Sensing and GIS ,Charles Darwin University arranged by Punjab University College of Information Technology(PUCIT) , (31-05-2006).
- A seminar on “Deteriorating situation of ambient air quality/ winter fog in Punjab, Conference” by Dr. Liaquat Hussain (prof.of environmental chemistry, state university, NY. Albany N.Y arranged by SUPARCO at Chamber of Commerce. (08-12-05).
- A seminar on space radiation environment “a space scientist perspective” arranged by the joint collaboration of department of Space Science and SUPARCO by Dr. Bodo W.Reinisch, Phd, Director, Prof. environmental , earth and atmospheric sciences deptt. University of Massachusetts Lowell, Centre for atmospheric research (31-05-2005).
- Pakistan Flood conference “Establishment of Regional Flood Information System” arranged by Pakistan Meteorological Centre (PMD), ICIMOD, WMO.(8-11, Feb. 2004).
- All Pakistan Geographical conference arranged by Deptt. Of Geography , University of the Punjab, Lahore on (21-24, Dec. 2003) .
- National conference of physics arranged by Pakistan Institute of physics (PIP) at Lahore held at ILM (21-23, Oct. 2003).

TRAINING COURSES/WORKSHOPS:

- International workshop organized by UNESCO and Pakistan Meteorological Department (PMD) on “standardizing flood forecasting and warning approaches in transboundary catchments”, held in Avari, Lahore, (19-20) April, 2016.
- A workshop on “world quality day” organized by University of the Punjab, Lahore, Pakistan and Virtual University, Lahore, Pakistan, 05-04-2016.

- A short course on “Global Tectonics and Pakistan” arranged by Institute of Geology, University of the Punjab, Lahore (26-28, August, 2014).
- Training Workshop on “Disaster Risk Management” arranged by National Disaster Management and Department of Geography, University of the Punjab, Lahore, (11-12 April 2011).
- Training Workshop on “Satellite Technology Applications in Communication and Remote Sensing” arranged by ISNET & SUPARCO, (05-08 May 2008).
- Workshop on “Global water scarcity and Pakistan” arranged by Institute of Geology, University of the Punjab, (23 -25 January, 2007).
- Sixth HRDC National Faculty Development Program Workshop arranged by Human Resources Development Centre, University of the Punjab, Lahore, (6 -10 September 2004).

COURSES TAUGHT:

- ✓ Space System & their Applications
- ✓ Meteorology
- ✓ Aero Space Systems
- ✓ Space Exploration
- ✓ Fundamentals of Rockets
- ✓ Atmospheric Science

RESEARCH AREAS Remote Sensing Meteorology, Geomorphology

HONOURS : Stood Second In Masters Of Space Sciences(1993)University of the Punjab, Lahore.

Best Teacher Award from Space Science Department for year 2005.

SUPERVISION OF RESEARCH THESES

S.#	Thesis / Report Topic	Class	Session
01	Frontal weather systems and their detection using satellite pictures	M.Sc	2003-2004
02	A research report supervised classification of Landsat /Spot images	M.Sc	2003-2004
03	VSAT data communication for meteorological data	M.Sc	2004-2005
04	Spatial and temporal variation in climate due to urbanization (a case study of Lahore, Pakistan)	B.S	2003-2007
05	Spatial and temporal variation in climate due to rainfall (a case study of Lahore, Pakistan)	B.S	2004-2008
06	Analysis of monthly monsoon rainfall variability in the Punjab (Lahore, Islamabad,	B.S	2005-2009

	Multan) for the period (1988-2007)		
07	Detection of frontogenesis and frontolysis through satellite images over Pakistan and Iranian Peninsula	B.S	2007-2011
08	Detection and movement of monsoon depressions through satellite imagery	B.S	2008-2012
09	Appraisal of growth and decay of intense cloud system through satellite imagery.	B.S	2009-2013
10	Monitoring snow dynamics in Skardu district, Northern Pakistan using RS/GIS/multisource data.	B.S	2010-2014
11	Temporal and spatial variation of mean sea level pressure and its synoptic variation during April 2014.	B.S	2010-2014
12	Evaluation of satellite based automatic dependent surveillance broad cast (ADS-B)	B.S	2011-2015

PROFESSIONAL SOCIETIES/AFFILIATIONS:

Life Member Pakistan Institute of Physics-(PIP)

Computer courses

(BASIC AND COBOL)from Punjab board of technical education, Lahore, 1987

LANGUAGE SKILLS

Urdu	Fluent
Punjabi	Fair
English	Good
German	Very basic

EXTRA CURRICULAR

Browsing Internet , Reading Books, Music

PERSONAL DETAILS

Date of birth	08-01-1968
Place of Birth	Faisalabad-Pakistan
Nationality	Pakistani

DATE OF BIRTH

January 8, 1968.

References:

Professor Dr. Mujahid Kamran
Vice Chancellor
University of the Punjab,
Lahore.

Dr. Amjed Siddique Almas
Deputy Director General (DDG) C2-systems
CENTech, NESCOM, Islamabad.