



ADRC Highlights

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TOPICS

ADRC Visiting Researcher Report

¶ Mr. Fozilov Elyor
(Uzbekistan)

¶ Mr. Tahir Mehmood
(Pakistan)

●ADRC Visiting Researcher Report Mr. Fozilov Elyor (Uzbekistan)

My name is Fozilov Elyor and I work in the department of Hydrogeology, Engineering Geology, and Geoecological Works of the State Committee on Geology and Mineral Resources (SCGMR) of the Republic of Uzbekistan. The SCGMR conducts the geologic analysis of entrails with the purpose of strengthening and developing the mineral base of the mining and processing industry and coordinates the different branches of industry connected to the geologic analysis of entrails in Uzbekistan. The department of Hydrogeology, Engineering Geology, and Geoecological Works performs the following functions:

- Coordinates the activities of subordinate enterprises to ensure quality and increase efficiency through the use of advanced production techniques, modern methods, and technologies
- Monitors the implementation of various organizations' activities
- Monitors over the dangerous geological processes in the mountainous areas of Uzbekistan
- Works to prevent the catastrophic effects of dangerous geological processes and radiation conditions at work sites
- Participates in the development of protective measures against landslides and avalanches in mountainous areas



I am conducting scientific research as part of a doctoral degree program, and am focusing on the assessment and forecasting of engineering-geological processes in Uzbekistan. I have published more than 20 articles, seven of which were published in foreign countries (including China, Ukraine, Russia, and Azerbaijan). I also published a monograph entitled "Methodological Guide to Mine Hydrogeology and Engineering Geology" (LAP LAMBERT Academic Publishing, Germany, 2014).

Mr. Tahir Mehmood (Pakistan)

I am Tahir Mehmood from Pakistan. Prior to joining ADRC as a Visiting Researcher on 25 August 2015, I have been working at the National Seismic Monitoring Center (NSMC), Pakistan Meteorological Department (PMD) in Islamabad since April 2012. The PMD is both a scientific and service department, and is organized under the Cabinet Secretariat (Aviation Division). It is responsible for providing meteorological services throughout the country for a wide variety of stakeholders, public activities, and projects that require weather information.



In its services to the aviation sector, the department's responsibilities go somewhat beyond national boundaries in the fulfillment of accepted international agreements and obligations, including the collection and rebroadcast of meteorological data. Its main objectives are (1) to provide information on

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meteorological and geophysical matters to ensure air, land, and maritime traffic safety, (2) to mitigate disasters due to weather and geophysical phenomena, and (3) to facilitate agriculture development based on the climatic potential of the country. NSMC is responsible for seismic monitoring and early warning issuance in Pakistan. It is responsible for disseminating earthquake information to government agencies, non-governmental organizations, and to the general public after any seismic event.

NSMC operates around the clock. I worked there as a Duty Seismologist Officer in detecting earthquakes and disseminating earthquake data, and developed skills in the evaluation of earthquake parameters and the refinement of results obtained from automated calculations. I also prepared an earthquake catalogue for Pakistan and its neighboring countries. Now, I am conducting research activities related to seismology. During my tenure with the PMD, I worked as the Duty Forecasting Officer at the Meteorological Office Allama Iqbal International Airport and as Editor of the Weekly Agro-Met Bulletin at the National Agro-Met Center (NAMC) in Islamabad. Before joining PMD, I served as an Assistant Surveyor for the Survey of Pakistan, Rawalpindi from September 2006 to April 2012.

I graduated with a B.Sc in Maths/Physics and an M.Sc in Maths from the University of the Punjab, Lahore. I did a certificate in basic IT from the Pakistan Computer Bureau, Islamabad, and completed a Preliminary Meteorology Course at the Institute of Meteorology and Geo Physics (IMG) in Karachi. At ADRC, I want to conduct research relating to Making Gwadar a Sustainable City in Pakistan (case study for earthquake and tsunami). Gwadar is located at coast of Pakistan. It is expected that it will become a future economic hub and a modern port and a modern city in near future. It is usually difficult in an already urbanized environment to mitigate hazard and develop a disaster management system. Gwadar provides us an opportunity to develop a sustainable city which will remain safe city in case of any natural disaster. A scheme out of the lessons learned from earlier earthquake disasters in Pakistan will help in achieving desired target to make Gwadar a sustainable city.

It is a pleasure and honor for me to join ADRC and I would like to express my deepest gratitude and admiration to the ADRC staff for their dedicated efforts to take such good care of all their Visiting Researchers.

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