Muhammad Ahsan Mahboob

Assistant Professor

Institute of Geographical Information Systems

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About

Dr. Muhammad Ahsan Mahboob is working as Assistant Professor in the Institute of Geographical Information Systems. Dr. Muhammad Ahsan Mahboob has published 2 research articles & conference papers having a citation count of 55, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS   2010 - 2012

Experience

Assistant Professor   2021- Present
Institute of Geographical Information Systems

Assistant Professor   2018 - 2018
Institute of Geographical Information Systems

Assistant Professor   2017 - 2018
Institute of Geographical Information Systems

Lecturer   2013 - 2017
Institute of Geographical Information Systems

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Awards

ICT for Mountain Developm   2016
Muhammad Ahsan Mahboob faculty member of the Institute for Geographical Information Systems (IGIS), NUST supervised BE-Geoinformatics students who developed a wireless sensor network for of Sawat valley Pakistan that integrates GIS information to identify landslide-prone areas in mountainous areas. The system works in real-time updating a web portal that residents can access to learn about potential hazards in their living areas or along their travel routes. The ICT for Mountain Development Award is handed out each year on the occasion of International Mountain Day. This year, ICIMOD received 29 submissions in five categories on water, livelihoods, ecosystem services, geospatial solutions and other. The competitors include a wide array of institutions including universities, donor-funded projects, and government-based initiatives. The 2016 winners include one from Pakistan, two from India and one from Nepal. They were selected for working on projects that can inform and/or be replicated in mountain communities to improve safety and living standards. Geoinformatics Based Landslide Early Warning System (GLEWS) The Institute for Geographical Information Systems (IGIS) has developed a wireless sensor network that integrates GIS information to identify landslide-prone areas in mountainous areas. The system works in real-time updating a web portal that residents can access to learn about potential hazards in their living areas or along their travel routes. Organization: Institute of Geographical Information Systems (IGIS), National University of Sciences and Technology (NUST), Islamabad, Pakistan Contact Person: Muhammad Ahsan Mahboob

Rector Gold Medal Award   2016
Supervision of Best Final Year Project for session BE-GI 2011.

President's Gold Medal   2012
Secured 1st Position in Academics at MS Degree.

Research Articles

Investigating Snow Cover and Hydrometeorological Trends in Contrasting Hydrological Regimes of the Upper Indus Basin

Iqra Atif Javed Iqbal Muhammad Ahsan Mahboob

Atmosphere , Volume 9(5), Article Number 162

Impact Factor: 2.046 | **Quartile:** 3 | **Citations:** 28

DOI: 10.3390/atmos9050162

2018

Modeling and Simulation of Glacier Avalanche: A Case Study of Gayari Sector Glaciers Hazards Assessment

Muhammad Ahsan Mahboob Javed Iqbal Iqra Atif

IEEE Transactions on Geoscience and Remote Sensing, Volume 53, Issue 11, Pages 5824-5834

Impact Factor: 3.360 | **Quartile:** 1 | **Citations:** 27

DOI: 10.1109/TGRS.2015.2419171

2015