

**CURRICULUM VITAE**  
**SAJID RASHID AHMAD, PhD.**

**PERSONAL DETAILS**

**Address:** College of Earth and Environmental Sciences, University of the Punjab, Lahore  
**Telephone:** Cell: 0312-9801510  
**Email:** [sajidpu@yahoo.com](mailto:sajidpu@yahoo.com), [principal.cees@pu.edu.pk](mailto:principal.cees@pu.edu.pk)  
**Languages:** English, Urdu, Punjabi, French

**HIGHLIGHTS**

**Education:**

- ✓ PhD, University of Windsor, Ontario, Canada
- ✓ M.B.A, Institute of Business Administration, University of the Punjab, Lahore
- ✓ M.S., University of Windsor, Ontario, Canada
- ✓ M.Sc., Institute of Geology, University of the Punjab, Lahore
- ✓ B.Sc., Institute of Geology, University of the Punjab, Lahore

**Teaching and Research Experience**      *29 Years (Since 1992 to-date)*

- ✓ *Professor, College of Earth and Environmental Sciences, University of the Punjab, Lahore*
- ✓ *Assistant Professor, Institute of Geology, University of the Punjab, Lahore*
- ✓ *Lecturer, Institute of Geology, University of the Punjab, Lahore*

**Publications:**      *233 refereed research papers in national and international Journals and conferences, 05 International Book Chapter and presented 75 Papers in National and International conferences*

**Publication Impact Factor:**      *More than >335*      **Citations:**      *More than >1450*

**Student Supervised:**      *PhD: 29*      *M.S / M.Phil: 243,*      *BS / M.Sc.: 64*

**Administrative Experience**

- ✓ *Dean, Faculty of Geosciences, University of the Punjab, Lahore*
- ✓ *Principal, College of Earth and Environmental Sciences, University of the Punjab, Lahore*
- ✓ *Controller of Examination, University of the Punjab, Lahore*
- ✓ *Director, Centre for Geographical Information System (GIS), University of the Punjab, Lahore*
- ✓ *Resident Officer-I, University of the Punjab, Lahore*
- ✓ *Elected Member Syndicate, University of the Punjab, Lahore*

**Research Projects and Grants:**

- ✓ Won Research Projects / Grants from National / International Organizations / Institution of worth *More than 49.0 million rupees*

**Conference Organization / Participation**

- ✓ *Organized 36 and participated in 108 workshops, training courses and conferences at national and international level.*

**LEADERSHIP EXPERIENCE**

- ✓ *Served more than 100 committees at National and International level*

## **EDUCATION QUALIFICATIONS**

<b>2014-2016</b>	<b>M.BA:</b> Institute of Business Administration, University of the Punjab, Lahore
<b>2006 – 2010</b>	<b>Ph.D. Earth &amp; Environmental Sciences,</b> Department of Earth and Environmental Sciences, University of Windsor, Ontario, Canada
Advisor:	Dr. V. Chris Lakhan
Thesis Title:	GIS-Based analysis and modeling with empirical and remotely sensed data on coastline advance and retreat
Courses:	Advanced techniques of image processing, Hydrogeology and Groundwater modeling
Funding:	Ontario Graduate Scholarship, University of Windsor Doctoral Scholarship, Ontario Graduate Scholarship in Science and Technology, Graduate Assistantship, Research Assistantship
<b>2004 – 2006</b>	<b>M.Sc. Earth Sciences,</b> Department of Earth and Environmental Sciences, University of Windsor, Ontario, Canada
Advisor:	Dr. V. Chris Lakhan
Thesis Title:	Satellite based remote sensing of suspended sediments along the coast of Guyana
Courses:	Advanced Topics in Geoinformatics, Advanced integration of Remote Sensing and GIS, Applied Geophysical Techniques
Funding:	University of Windsor Postgraduate Tuition Scholarship, Teaching Assistantships, Research Assistantship
<b>1990 – 1992</b>	<b>M.Sc. Applied Geology with specialization in Engineering Geology and Geohydrology,</b> Institute of Geology, University of the Punjab, Lahore, Pakistan
Advisors:	Dr. M. H. Malik and Dr. M. Saeed Farooq
Thesis Title:	Geotechnical Studies of Landslide problems along Murree Kohala Road, Pakistan and Remodeling of Thal Canal, Mianwali area Punjab, Pakistan
Courses:	Hydrogeology, Soil Mechanics, Rock Mechanics, Engineering Geology
<b>1986 – 1990</b>	<b>B.Sc. (Hons.) Applied Geology,</b> Institute of Geology, University of the Punjab, Lahore, Pakistan
Courses (selected):	Remote Sensing and Photogeology, Hydrology, Engineering Geology, Geomorphology, Mapping Techniques, Geophysics, Geochemistry and Environmental Geology, Field work and Report.

## **RESEARCH GRANTS RECEIVED**

2019-2022	Higher Education Commission (HEC), Islamabad of Rs. 11,376,777/- for the “Project Surveillance and Effects of Plastic Pollution on Ecological Integrity of River Ravi and Chenab, Pakistan” (Co-PI)
2018-2020	Higher Education Commission (HEC), Islamabad of Rs. 37,97,944/- for the Project Reduction in Air Emissions through Modifications and Improve Efficiency in Firing of Brick Kiln Units (P.I).
2019	UNDP, Project titled “Sampling, Analysis Characterization and Quantification of PCBs in Transformers Oils” of Rs. 13,99,000/- (P.I.).
2018	UNDP, Reconfirming the Amount and Location of POPs Stockpiles in AJK, GB and KP, Pakistan of Rs. 14,00,000/- (P.I.).
2019-2020	Punjab University Research Project Grants of Rs. 250,000/- as (PI)
2016-2017	Ministry of Climate Change, Government of Pakistan Research Project Grant of Rs. 400,000/- as Principal Investigator (PI)
2016-2017	Punjab University Research Project Grants of Rs. 250,000/- as (PI)
2015-2016	Punjab University Research Project Grants of Rs. 800,000/- as (CO-PI)
2015-2016	Punjab University Research Project Grants of Rs. 250,000/- as (PI)
2014-2015	Punjab University Research Project Grants of Rs. 250,000/- as (PI)
2013-2014	Punjab University Research Project Grants of Rs. 150,000/- as (PI)
2012-2013	Punjab University Research Project Grants of Rs. 150,000/- as (PI)
2011-2012	Punjab University Research Project Grants of Rs. 150,000/- as (PI)

## **INTERNATIONAL TRAVEL GRANTS RECEIVED FOR RESEARCH**

2019	Higher Education Commission (HEC) Travel Grant for Research of Rs. 364560/-
2018-2019	Punjab Higher Education Commission (PHEC) Travel Grant for Research of Rs. 323,600/-
2017-2018	Punjab University Travel Grant for Research of Rs. 350,000/- aprox.
2016-2017	Punjab University Research National Travel Grant for Research of Rs.300,000/-
2016-2017	Punjab University Research International Travel Grant for Research of Rs. 350,000/-
2015-2016	Punjab University Research International Travel Grant for Research of Rs. 320,000/-
2014-2015	Punjab University Research National Travel Grant for Research of Rs. 320,000/-
2013-2014	Punjab University Research National Travel Grant for Research of Rs. 300,000/-

2012-2013	Punjab University Research Travel Grant for Research of Rs. 275,000/-
2010-2011	University of Windsor Graduate Travel Grant for Research ( <b>\$500</b> )
2009	University of Windsor Graduate Travel Grant for Research ( <b>\$1000</b> )
2006	University of Windsor Graduate Travel Grant for Research ( <b>\$500</b> )
2004	University of Windsor Graduate Travel Grant for Research ( <b>\$500</b> )

### **SCHOLARSHIPS/AWARDS RECEIVED**

2010	<b>Letter of Appreciation as Member Board of Governors (BOG),</b> University of Windsor, Ontario, Canada.
2007-2010	University of Windsor <b>Doctoral Tuition Scholarship (\$21,000)</b>
2008-2009	University of Windsor, Graduate Student Society, <b>Excellence in Leadership Award</b>
2008-2009	Ontario Graduate Scholarship in Science and Technology ( <b>OGSST</b> ), Ministry of Training and education, Government of Ontario, Canada ( <b>\$15,000</b> )
2009	University of the Windsor <b>Graduate Ian and Terry Scholarship (\$1000)</b>
2007	<b>Award of Excellence</b> , Graduate Student Society, University of Windsor
2006-2007	Ontario Graduate Scholarship ( <b>OGS</b> ), Ministry of Training and education, Government of Ontario, Canada ( <b>\$15,000</b> )
2004-2006	University of Windsor Postgraduate Tuition Scholarship ( <b>\$10,000</b> )
2001	<b>PhD Indigenous Scholarship</b> awarded by University Grants Commission (UGC), Ministry of Education, Government of Pakistan ( <b>DECLINED</b> )
2000	<b>Letter of Appreciation</b> awarded by Pakistan Academy of Geological Sciences
1998	<b>Certificate of Appreciation</b> for Volunteer Services in <b>K-12 Geosciences</b> Education awarded by Partners for Education Program, Geological Society of America
1995	<b>Best Man of the Quarter</b> awarded by Daewoo Corporation, North Korea
1989	<b>Sheikh Zaid Bin Sultan Merit Scholarship</b> awarded by Institute of Geology, University of the Punjab, Lahore, Pakistan

## **EMPLOYMENT**

<b>2015- to-date</b>	<b>Principal</b> College of Earth and Environmental Sciences, University of the Punjab, Lahore
<b>02/2018 to 08/2018</b>	<b>Controller of Examination</b> University of the Punjab, Lahore
<b>2015-2017</b>	<b>Director</b> Centre for Geographical Information System (GIS), University of the Punjab, Lahore
<b>2013- to-date</b>	<b>Professor</b> College of Earth and Environmental Sciences, University of the Punjab, Lahore, Pakistan
<b>2000 to 2013</b>	<b>Assistant Professor</b> Institute of Geology, University of the Punjab, Lahore, Pakistan
<b>2001 to 2002</b>	<b>Assistant Professor (Visiting)</b> Institute of Environmental Sciences, University of the Punjab, Lahore, Pakistan
<b>1995-2000</b>	<b>Lecturer</b> Institute of Geology, University of the Punjab, Lahore, Pakistan

## **UNIVERSITY TEACHING**

### **RESEARCH SUPERVISION**

#### ***PhD Research Supervision***

<b>Sr. No.</b>	<b>Name of Scholar</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
1.	Naseem Zahra	Quantification and Detoxification of different Mycotoxins in selected crops of Punjab, Pakistan	2021
2.	Azra Yaqoob	Green Dyeing” with Natural Dyes for Eco Textiles from Indigenous Plants Waste Resources	2021
3.	Aqeela Mubeen Akhtar	Appraisal of Biomass and Carbon Stocks in Selected Forests of Pakistan through SRS/GIS and Multi-Source Data	2021
4.	Madiha Ijaz	Quantification and Detoxification of Different Mycotoxins in Selected Crops of Punjab, Pakistan	2021
5.	Muhammad Asif Javed	Irrigation Water Demand Modeling by Monitoring Crop Health Cycle: A GIS and Remote Sensing Perspective	2020
6.	Sana Bashir	Long Term Integrated (Multi-Agent) Modeling of Power Sector under sustainable Development Pathway.	2020

Sr. No.	Name of Scholar	Title of Research Thesis	Completion Year
7.	Ambreena Javaid	Impacts and Risk Evaluation of Hudaira Drain on Adjacent Groundwater and Soil using Geospatial Techniques	2020
8.	Muhammad Sanaullah	Regional Numerical Flow Modeling for Sustainable Groundwater Management of Inter-Fluvial Irrigated Basin, Indus Plain	2020
9.	Zaira Ahmad	Cytochrome c oxidase I (COI) based identification of common insectivorous bats across different habitats of Punjab, Pakistan	2020
10.	Mehreen Khan	Role and Challenges to Stakeholders in Environmental Impact Assessment System of Punjab, Pakistan	2020
11.	Waheed Ullah Khan	Role of Metal Tolerant Rhizobacteria on Phytoremediation of cd and Ni Contaminated Soils by <i>Catharanthus roseus</i> (L.) g. don	2019
12.	Abdul Qayyum Aslam	Critical Appraisal on Climate Change (Extreme Events) Impacts & Evaluation of Adaptation Perspective in Southern Punjab.	2019
13.	Jaweria Shamshad	Simulation and Modeling of Climate Change Impact on Water resources of Pakistan under Possible Future Socioeconomic Scenario	2019
14.	Hina Aslam	Use of Halo Toleranthrhizospheric Bacterial Isolates Conferring Resistance In Tomato Plants To Salt Stress	2019
15.	Firdaus Kausar	Evaluation of Anthropogenic Stress on Ecological Integrity of River Chenab, Pakistan	2019
16.	Uzma Ashraf	Climate Change Impact with Ecological Niche Model Analysis on <i>Olea Species</i> ”	2019
17.	Dur-e-Shahwar	Bioremediation of Hydrocarbon Contaminated Produced Water by Indigenous Microbes in Selected Oil Fields of Potwar, Pakistan.	2019
18.	Nadia Ayoub	Preparation of Pillared Clays from Pakistani Bentonites to Remove Heavy Metals from Wastewaters.	2019
19.	Mujtaba Baqar	Assessment of Selected Persistent Organic Pollutants (POPS) in River Ravi and its Northern Tributaries, Pakistan	2018
20.	Soniya Munir	Transformation of Municipal Solid Waste into Fuel of Ravi Town, Lahore, Pakistan.	2018
21.	Ali Ahmad Sabir	Environment Friendly Synthesis of Acetic Acid Based Compounds and Their Biological Characterization.	2018

Sr. No.	Name of Scholar	Title of Research Thesis	Completion Year
22.	Habib ul Haq	Recycling Potential Assessment of Asphalt Roads in Lahore	Thesis submitted to the University for evaluation
23.	Areej Muhammad Tahir	Assessment of Chlorinated Paraffins in Different Environmental Matrices and Associated Human Health Risks in Lahore, Pakistan	Research work in progress
24.	Rabbia Nasir	Emission Reduction Analysis of Greenhouse Gases using Integrated Energy Modeling of Punjab for Sustainable Development Goals	-do-
25.	Maria Abdullah Butt	Environment Friendly Synthesis of Nano Sized Metal Complexes of New Schiff Bases and their Biological Activity	-do-

#### ***MS / M.Phil Research Supervision***

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
1.	Saba Rafi	Detailed investigation on Physico-Chemical & Microbiological pollution load of Hudiara Drain & its subsidiaries	2020
2.	Muhammad Naveed	Evaluation of Arsenic Concentration in Drinking Water of Urban and Rural Areas of Gujranwala and Associated Potential Health Risks	2020
3.	Sahar Sohail	Evaluation of Different non-Wood Raw Materials as an Alternative Option for Paper production.	2020
4.	Mirza Sarfraz Baig	Assessment of Heavy Metals and Associated health risks in Shisha consumers: A Case Study from Lahore.	2020
5.	Zarish Imtiaz	Human Exposure to Heavey Metal through Road Dust in varying traffic Intensity Roads of Lahore	2020
6.	Muhammad Abubakar	Environmental Impacts of War on Terrorism in Pakistan	2020
7.	Ansir Rasool	Assessment for Increase in Vegetation / Tree Cover through dry afforestation in Samarkand Park of Chakwal Forest Division by using Remote Sensing / GIS.	2020
8.	Maryam Arif	Assessment of Green Banking: Comparison of in-house Green Practices in different branches of Banks in Lahore, Pakistan	2020
9.	Muhammad Hashar Ashfaq	Assessment of Moringa <i>OLEIFERA</i> Seed Powder for Heavy Metal Removal from Wastewater.	2020

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
10.	Wajeeha Fiaz	Assessment of generation, management of E-waste and climatic impacts in Lahore region.	2020
11.	Muhammad Hannan Yousaf	Occupational Health & Safety and Environmental Risk Assessment of Shoe Factory by using Risk Matrix Technique	2020
12.	Assad Ullah Riaz	Occupational Hazards and Safety measures amongst Paint Industry workers in Lahore	2020
13.	Haider Ali	Stress Impact Evaluation of Healthcare Workers at Public and Private Hospitals during Covid-19 Pandemic at Lahore, Pakistan	2020
14.	Muhammad Asif	Evaluation of Health and Safety practices and health Risk Assessment in Textile Sector under Sustainable Development Goals	2020
15.	Ibrahim Arif	Global Reporting Initiative Standards (GRI Standards) and Trends of Social Compliance Information (including Occupational Health and Safety) Reporting by Manufacturing Sector Companies Listed with Pakistan Stock Exchange	2020
16.	Umer Qureshi	Impact of Safety Culture on Employees Job Performance	2020
17.	Muhammad Abubakar Riaz	Occupational Health and Safety, Hazards Risk Assessment and Control: Study on Orang Metro Train Stations and Tunnel Construction in Lahore	2020
18.	Shaukat Ali	Workplace Occupational Health and Safety Practices, their Impact on Workers Efficiency and organizational Growth	2020
19.	Mudassir Jehanzeb	Fire Risk Assessment in High Rise Buildings.	2020
20.	Waqar Ahmed	Noise Exposure and Health Hazard Assessment among Occupational Workers in Textile Industry	2020
21.	Tafseer Ali	Development of Hydrological modeling for Degh Nala an assessment of upcoming water behaviors.	2020
22.	Muhammad Qasim Mahmood	Calculation of groundwater footprint to estimate groundwater sustainability in aquifer system in Lahore.	2020
23.	Rubina Ashraf	District wise identification of villages in flood inundation from marala HW to Qadirabad HW using remote sensing and Gis	2020
24.	Jalisha Qayyum	Estimation of long-term groundwater fluctuations and depletion of water table in lahore by using hydrologic method and GIS techniques.	2020
25.	Misbah Ismail	Assessment of groundwater vulnerability to pollution by using GIS- based DRASTIC model: A case study of Lahore.	2020



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26.	Tayyaba Shabbir	Simulation of hydraulic model and steady flow analysis of indus river	2020
27.	Muhammad Zakariya Ayub	Scrutinizing the efficacy of fire brigade emergency services in terms of accessibility in Lahore city: A GIS perspective	2020
28.	Muhammad Nabeel Khalid	Utilization of GIS / RS Techniques for Facilitating Urban Sustainability	2020
29.	Yusra Arif	Comparative Study of Satellite and Gauge-Based Rainfall by using Advanced Rainfall Correction Methods	2020
30.	Muhammad Arshad Javed	Efficiency Assessment of Agricultural Water Resources in Rachna Doab, Punjab using Remote Sensing Data	2020
31.	Muhammad Waleed	Decision Support System for Efficient Irrigation Management using Geospatial Technology	2020
32.	Muhammad Farhan Saleem	GIS-Based Geotechnical Zonation: A Case Study of District Sialkot, Punjab, Pakistan	2020
33.	Abid Sarwar	Delineation of Ground Water Potential Zones and Water Quality Assessment using Geographic Information System and Remote Sensing Techniques, a Study of District Lower Dir.	2020
34.	Zunira	Flood inundation modeling and damage assessment: A case study of Ravi River, Lahore	2020
35.	Muhammad Waqas Ejaz	Road Network Analysis of Freeways in a Metropolitan City: Conceptualization, Implementation and Application (A Case Study of Lahore)	2020
36.	Hassan Hafeez	Estimating Crop Yield with Irrigation System Performance using RS and GIS Techniques in Bahawalpur and Rahim Yar Khan, Punjab, Pakistan.	2020
37.	Muhammad Arshad	Flood Damaged Assessment through Geospatial Techniques using Remote Sensing Data: A Case Study of Nullah Daik (Narowal-Pasroor Road to Muridke-Narrang Road).	2020
38.	Anob	Assessing the Effects of Groundwater Quality on Human Health using GIS: A Case Study of Bahawalnagar.	2020
39.	Mehreen Akhtar	A Web-GIS Application for Flood Disaster Risk Estimation in Lahore, Punjab, Pakistan	2020
40.	Shakeela Talib	GIS Based Future Prediction for Temperature Rise caused by Land Use and Land Cover	2020
41.	Tabinda Sharif	Assessment of Drinking water quality Correlation with Disease by using GIS a Case Study of Faislabad, Punjab, Pakistan.	2020

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
42.	Sumaira Hafeez	GIS based Analysis for Optimal Site Selection of Schools in Khushab District, Punjab.	2020
43.	Nida Fatima	Environmental Monitoring and Impact Assessment of Steel re-rolling mill located in Rawat Industrial estate, Rawalpindi	2019
44.	Shamim Mukhtar	Effects of cement industry on physical environmental attributes of Salt Range area.	2019
45.	Ayesha Murtaza	Comparative assessment of physic-chemical quality of bottled water in privileged and under privileged areas of Lahore	2019
46.	Rida Riaz	Comparison between particulate scavenging extent of precipitation and wind: A case study of Lahore District.	2019
47.	Mahreen Yousaf Malik	Monitoring and Assessment of environmental impacts of distillery located near Nankana Sahib	2019
48.	Iqra Nazir	Gasification of refuse-derived fuel (RDF) selected from DG Khan Cement RDF plant Lakhodair, Punjab, Pakistan	2019
49.	Fatima Abdul Malik	Production of synthetic gas from forest waste by using gas furnace	2019
50.	Sabeen Idrees	Evaluate the Efficiency of Wastewater Treatment Plant of Textile Unit Located at Gajumata, Lahore	2019
51.	Areesha Mehmood	Exposure and effects of toxic trace metals in birds of Pakistan	2019
52.	Muhammad Talha Javed	Improvement of ambient air quality in outskirts of Lahore by selection of brick kilns	2019
53.	Rimsha Rubab	Environmental monitoring of citrus company located near Sargodha including soil, water and air aspect and preparation of environmental management plan.	2019
54.	Tehmir Nabi	Comparative study of air emission for various type of brick kilns in Punjab.	2019
55.	Muhammad Nazim Ali	Comparison of Ambient air quality in zone of conventional and zig-zag brick kilns in Punjab	2019
56.	Nishwah Tahir	Impact assessment study of canal lining and associated parameters: An extended approach to Punjab Irrigation System Improvement Project. (PISIP).	2019
57.	Shamoun Arslan Javaid	Groundwater Development of under developed regions. A case study of upper Sindh areas (Rohri, Guddu, Kashmoor)	2019
58.	Rabilla Ghazanfar	Downscaling of Hydrological Time Series and Future Flow Estimation.	2019
59.	Farhan Farooq	An Approach to Delineate Ground Water Recharge	2019

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
		Potential Sites Using RS & GIS.	
60.	Arooj Fatima	Development of Flood Forecasting and damage based mechanism using geoinformatics.	2019
61.	Tehreem Fatima	Hydrological modeling of River Jehlum from Mangla Dam to Rasool barrage by using HEC-HMS.	2019
62.	Tayyaba Saleem Mughal	Feasibility study for using seepage of River Ravi to meet with drinking water needs of Lahore city.	2019
63.	Wardah Mehmood	Landuse impacts of groundwater resources using GIS Techniques in Jhang, Pakistan	2019
64.	Saqib Iqbal Ch.	Experimental Investigation and Development of Predictive Models for The Higher Heating Value of Municipal Solid Waste	2019
65.	Samita Arub	Drinking Water Quality of District D.G. Khan, Pakistan	2019
66.	Hafiza Saadia Ramzan	Drinking Water Quality Assessment of District Rahim Yar Khan, Pakistan	2019
67.	Samina Bilal	Waste Amount Characterization Survey of Municipal Solid Waste Generated in Sahiwal, Punjab, Pakistan	2019
68.	Zeeshan Riaz Tarar	Detection of Sediment Trends in Upper Indus Basin by using Wavelet Transforms and Prediction of Sediment Delta of Tarbela Reservoir with Accurate Sediment Boundary Conditions	2019
69.	Hafiz Haseeb Ahmad	Assessment of Hydrological Behaviors and Historic Trends using probability Distributions for Chenab River.	2019
70.	Akhtar Zeb Khan	Remote Sensing and GIS based groundwater potential mapping of district Swat	2018
71.	Mudassar Khushi	Geospatial approach in Crime Analysis and Mapping: A Case Study of Kasur District.	2018
72.	Rahat Tufail	A Machine approach for accurate crop type mapping using a combined dual polymeric SAR and optical time series data.	2018
73.	Farhan Mustafa	A Web-based Decision Support System for Selection of Suitable Industrial Sites in Punjab.	2018
74.	Sidra Abdul Hameed	Temporal Analysis of Land Use Change by using GIS & RS Techniques-A Case Study of District Gujrat.	2018
75.	Sana Jamil	Assessment of Impacts of Open Waste Dumping Site on Groundwater Quality in Lahore.	2018
76.	Fatima Nawaz	Environmental Risk and Impact Assessment of an Oil Refinery Located in Mudke, Kasur	2018

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77.	Shah Zaib	Assessment of Deterioration of Ambient Air Quality in Lahore.	2018
78.	Ayesha Baig	Study of Aflatoxins and heavy Metals in Local Biscuits from different Towns of Lahore, Pakistan	2018
79.	Amna Farooq	Environmental Impact Assessment of Gujranwala-Sheikhupura Road, Widening Project by incorporating GIS.	2018
80.	Ajwah Rafique	Environmental Impact Assessment of Lahore Sialkot Motorway M-11.	2018
81.	Hafiza Samar Fatima	Qualitative Assessment of urban Heat Island Effect in Major Cities of Punjab, Pakistan.	2018
82.	Komal Jabeen	Risk Assessment of Cement Industries in the native areas of Distt. Chakwal.	2018
83.	Nimra Idrees	Comparative environment Assessment during construction and operation Phase of Aluminum Beverage Can Manufacturing Industry of Pakistan	2018
84.	Anam Hassaan Nasir	Treatment of Paint Industry Wastewater by Combination of Chemical and Biological Process.	2018
85.	Iqra	Assessment of Occupational Health Safety Hazards of Boiler Operators in various Industries in Punjab.	2018
86.	Ateeqa Aftab	Occupational Health and Safety Hazards Assessment of Workers in Synthetic Leather Industry in Pakistan.	2018
87.	Sajjad Ahmad	Evaluation of Recharging Capacity of Groundwater Recharge Wells in Lahore City: A Field Study	2018
88.	Farwa Touqeer	Investigation of Water Quality in Sahiwal Region	2018
89.	Kanwal	Development of Envelope Curve for maximum Floods in Selected Parts of Pakistan	2018
90.	Khurram Riaz	Hydrology and Hydraulic Design of Bridges on Kunhar River Pakistan.	2018
91.	Wajeeha Afzal Khan	Determination of Groundwater Quality using Electrical Resistivity Survey in Narowal, Punjab, Pakistan	2018
92.	Asim Shafiq	Impact Assessment of dying industrial units waste on ground water quality by using geospatial techniques in Faisalabad	2017
93.	Mohsin Ali	Spatial Variation of Heavy Metals Concentration in the Drinking Water of Rajanpur district.	2017
94.	Rohila Tabassum	Web GIS Application Development for National Flood Protection Plan.	2017
95.	Iqbal Hassan	Agro-Ecological Zoning for Azad Jammu and Kashmir using Remote Sensing and GIS Techniques	2017

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96.	Mubashar Hassan	Spatial Accessibility Analysis and Proposing New Sites for Health Facilities using Geographical Information System (GIS). a Case Study: Mandi Bahuddin City, Pakistan	2017
97.	Muhammad Rehman	Formation of Water quality and Aquifer Based Criteria for Potential Groundwater Bore Site Selection in the CDGL Precinct of Lahore District using Geospatial and Multicriteria Analysis Techniques.	2017
98.	Kamran Baig	Assessment of Accessibility to Public Health Facilities in Rural Areas of District Sialkot.	2017
99.	Sidra Anwar	Temporal Assessment of Land Surface Temperature in Sargodha Pakistan using Satellite Data and its comparison with ground Based Measured Data.	2017
100.	Rida Batool	A Study of Changing Groundwater Quality Trends in Lahore Metropolitan, in Response to the Urbanization and Water Demand Growth using Temporal GIS.	2017
101.	Muhammad Furqan	Identification of Land Encroachment (Railway Department) using Remote Sensing & GIS Techniques and its Remedy.	2017
102.	Arif Pervaiz Khalid	Spatial Variation in the Ground Water Quality of Tehsil Pattoki, District Kasur.	2017
103.	Shahbaz Rafiq	Remote Sensing and GIS Based Water Shed and Structural Analysis of Bago Toro Anticline Lakki Range Sehwan Sharif, District Dadu.	2017
104.	Sobia Yaqoob	The Role of Traffic Infrastructure in Vehicular Emissions: A Geospatial Approach.	2017
105.	Syeda Jabeen Fatima	Assessing the Serviceability Status of Existing Transport Network by using Geospatial Techniques A Case Study of metropolitan City Lahore.	2017
106.	Munazza Usmani	Mapping of Groundwater Potential Zones using Remote Sensing and GIS Techniques.	2017
107.	Iqra Shafique	EIA of proposed 1300 MW Thermal Power Plant near Chak No. 50, Tehsil Ferozwala, Sheikhpura, Lahore	2017
108.	Masooma Batool	Global News Model Application on Water Pollution Management.	2017
109.	M. Zahir Sajjad	Effects of seasonal variation on air polluting factors in Sundar Industrial Estate, Lahore	2017
110.	Wajid Iqbal	Improving Solid Waste Collection System in Lahore by using integrated Technologies (RFID, GPS, GIS) & Decentralizing System	2017
111.	Nasreen Akhtar	EIA of a bagasse-based power plant located in District Jhang.	2017

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
112.	Mohsin Abbas	Geo-environmental assessment of ground water quality in Jehlum Basin; as case study from Mandi Baha Uddin district , Punjab Pakistan	2017
113.	Zaeem Hassan Akhtar	Hydrochemical analysis of Dera Ghazi Khan, using GIS & Remote Sensing	2017
114.	Iqra Muzaffar	Using the Numerical model to analyze the Groundwater Sustainability of Indus River sub basin Aquifer.	2017
115.	Tayyaba Arshad	Rainfall runoff relationship to predict the hydrological response to climate change and land use change	2017
116.	Anisa Amjad	Surface and ground water interaction by using GIS	2017
117.	Sumaira Sarwar	Impacts of climate change, urbanization and land use on water resources of Thar using Arc SWAT.	2017
118.	Ayesha Hanif	Evaluation of Storm water management Model for the Identification of rainwater harvesting potential sites in Punjab.	2017
119.	Misbah Noreen	Spatial Data Visualization through Open Source Software by using JSON and GEOJSON over the Internet.	2017
120.	Nishwah Tahir	Assessment of Ground Water Quality: A Case Study of Bahawalpur City	2017
121.	Muhammad Abdul Ghani	Forest Cover Mapping of Northern Area using Image Processing Techniques.	2016
122.	Naeem ud Din Nawab	Land Use and Land Cover Change Detection by using GIS and Remote Sensing Techniques: A Case Study of Sahiwal Urban Area, Pakistan.	2016
123.	Jawairia Mukhtar	Flood Inundation Hazards of the River Chenab using Remote Sensing and Geographic Information System.	2016
124.	Sabahet Akram	Spatial and Temporal Assessment of Ground Water Quality for Drinking Purpose in Five Towns of Lahore district using Geospatial Techniques.	2016
125.	Mehwish Munir	Remote Sensing and GIS Based Spatio-Temporal Evaluation of Vegetation Dynamics in Muzaffarabad District	2016
126.	Muhammad Usman Saleem	Anomalous Propagations Over Pakistan and its adjoining Neighbors Regions in Past 30 Years	2016
127.	Muhammad Saqib Khalid	Investigating Impacts of Climate Change on Snow Cover using Remote Sensing & GIS – A Case Study of Hispar Glacier, Pakistan	2016
128.	Ali Riaz	GIS and RS Approach to Identify the Land Use / Cover Change and Probable Environmental Issues due to Coal Power Plant Sahiwal, Punjab, Pakistan	2016

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
129.	Sabahat Ali	GIS and Multicriteria Analysis for the Assessment and Evaluation of Potential Sites of Primary Schools in Vehari District	2016
130.	Hira Ejaz	Demography of the Punjab's Districts with Temporal Variation and its effects on Economy.	2016
131.	Anila Falak Sher	Heat Waves and Design of Geospatial Information Structure: A Case Study of Karachi	2016
132.	Zarnain Shakoor	Spatio-Temporal Growth Analysis: A Case Study of District Lahore.	2016
133.	Yasra Hamid	Identification And Mapping of Dengue Mosquito Larvae by using Geostatistical, Geographical Information System, and Remote Sensing Imagery: A Case Study of Lahore.	2016
134.	Iqra Basit	Analyzing the Impact of Interannual Climate Variation on Crop Calendar and Crop Yield using Geographical Information System, Remote Sensing Imagery and Regression	2016
135.	Samia Rubab	Flood Risk Assessment along Chenab River using Remote Sensing and GIS, District Hafizabad, Punjab, Pakistan	2016
136.	Hafiza Tehmina Anwar	Soil Erosion Assessment of Astore Watershed (Gilgit-Baltistan) using Geospatial Data and Techniques)	2016
137.	Shumaila Majeed Qureshi	Spatial Variations in Wastewater and Ground Water Quality with Human Health Risk Assessment and Source Apportionment along Sattukatla Drain, Lahore	2016
138.	Menal Zaheer	Landslide Hazard Assessment with the Application of Geomatics, A Case Study of Murree Area, Northern Pakistan”	2016
139.	Maryam Sultana	Temporal Change of Deforestation (1975-2015) in Gilgit by using Remote Sensing and GIS Techniques	2016
140.	Muhammad Asim	Exploring the relationship between Spatio Temporal Dynamics of Land Use/Land Cover and Land Surface Temperature in different Metropolitan cities of Pakistan.	2016
141.	Bushra Khurshid	Evaluation of groundwater and surface water interaction by using GMS and WMS	2016
142.	Taimoor Nawaz Khan	Flood hazard assessment and mitigation of new Benazir Airport, Islamabad by using HEC-HMS, WMS and HEC-RAS.	2016
143.	Rabeea Islam Khan	Rice crop residue management practices and its impacts on soil productivity of wheat in Lahore	2016
144.	Arooj Fatima	Effect of cotton crop residue on wheat crop in soil of Hasilpur.	2016



Sr. No.	Name of Student	Title of Research Thesis	Completion Year
145.	Ayesha Bint-e-Abdul Aziz	Microbial community-based soil productivity transition from rice harvest to wheat cultivation in PU fields	2016
146.	Khaulah Aamir	Identifying losses of calorific value in biomass storage piles and its optimization through stacking patterns	2016
147.	Ayesha Iftikhar	Quantification of aerobic and anaerobic methanotrophs in thermokarst ponds.	2016
148.	Hira Khushnood	Physico chemical properties of rain water at industrial area of Lahore	2016
149.	Misbah Amanat	Impact Assessment of extra high voltage (EHV) power distribution substation on Environmental and Social perspectives of Surroundings community.	2016
150.	Zaheer Yousaf	Effect of Ground Granulated Blast Furnance Slag and Fly Ash as Cement Replacement Materials on Strength and Durability Characteristics of Concrete.	2016
151.	Farkhanda Akmal	Urban Sprawl Susceptibility Analysis using Remote Sensing and GIS Techniques: A Case Study of Sialkot City.	2015
152.	Samiullah Khan	Multi Criterion Geospatial Analysis for Site Suitability of Solar Energy Power Plants Installation in Lahore Division	2015
153.	Muhammad Tanveer	Estimation of irrigated Land Cover Transformation into Built-up Area: A Case Study of Lahore District.	2015
154.	Rehana Jamal	Investigating watershed characteristics, soil/water qualities and petrographic analysis using geospatial and geomatic techniques in southern Haripur tehsil, District Haripur, KPK	2015
155.	Muhammad Hussain Tahir	Critical Study of Ground Water Quality, Geo Statistical Analysis and Mapping.	2015
156.	Farhan Ali	Landfill Site Selection for Multan City using Geospatial Techniques and Multi Criteria Analysis.	2015
157.	Ahmad Raza	Flood 2014 Crop Assessment using Remote Sensing and GIS Methods: A Case Study in Hafizabad, Pakistan.	2015
158.	Hameed Ullah	Geospatial Analysis and Modeling of Biseases with Water Quality in District Multan.	2015
159.	Muhammad Asad	Use of Remote Sensing for Urban Impervious Surfaces: A Case Study of Lahore.	2015
160.	Rabia Zahoor	Proper Placement of Solid Waste Containers by using Geographic Information System and Remote Sensing in Gulberg Town, Lahore.	2015



<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
161.	Mr. Muhammad Asif Butt	Disaster Investigation through Geospatial Analysis in Flood Resilience Areas: A case Study of Flood in Sindh Province, 2010, Pakistan.	2015
162.	Mr. Nasir Ashraf	Productivity Assessment of Tea Cultivation using Geoinformatics in the Mansehra and Abbottabad District.	2015
163.	Fatima Latif	GIS Based Groundwater Table and Quality Status Analysis Pre and Post Flood 2014 for Rachna Doab.	2015
164.	Mudassar Shoukat	Land use and Land Cover Classification of Lahore district: A Case Study of Raiwind City by Using GIS and Remote Sensing techniques	2015
165.	Tahira Shaheen	GIS Based Mapping of Food Chain Vulnerability to Radiation Exposure in Pakistan.	2015
166.	Atiqah Ijaz Khan	Application of TCT as a Remote Sensing Change Detection Technique: A Temporal Case Study of Lahore District – Pakistan.	2015
167.	Fizza Tanveer	GIS Based Flood Monitoring and Management System Modeling in Chenab River.	2015
168.	Anees Haider Ali	Landslide Susceptibility Mapping of Salt Range Using Bivariate Statistical Weight of Evidence Method.	2015
169.	Ms. Faiza Zafar	Evolution of Tectonic Geomorphology Ghizer District Through RS/GIS Technique”	2015
170.	Marium Sabir	Geonatural Hazards Assessment in Neelum and Jhelum Valley through DEM and GIS	2015
171.	Muhammad Haseeb Ahsan	Delineation of 67 DAM Sites to Harness Hill Torrent Flood Water for Spate Irrigation in Sindh Province, Southern Pakistan.	2015
172.	Sana Rathore	Landfill Site Selection for Solid Waste in Lahore using Geospatial Techniques.	2015
173.	Sana Ishaque	Development of GIS Based Community Health Information System.	2015
174.	Muhammad Fahid	GIS Based Assessment of Subsurface Hydrochemical and Bacteriological Contamination in Drinking Water Across Narowal District, Pakistan.	2015
175.	Alp Arslan	Evaluation of Active Surface Deformation in the Attock-Cherat Ranges and Surrounding Through SRTM-DEM	2015
176.	Muhammad Imran	An Assessment of Deforestation of Changa Manga Forest using GIS Application and climatic Effects of Deforestation in the Region.	2015

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
177.	Aroona Ijaz	GIS Based Land Information System for Management of Urban Development Control Process (Case Study: University of Engineering and Technology Employees Cooperative Housing Society (EUECHS), Lahore.	2015
178.	Urooj Saeed	Assessment of the Impacts of Natural Disasters on the Coastal Eco-system-A Case Study of KETI Bunder and Kharo Chann District, Pakistan	2015
179.	Amer Masood	Active Deformation in Gilgit-Baltistan Region Pakistan using Geomorphic Indices Analysis: Inferences from Remote Sensing and GIS.	2015
180.	Muhammad Asim Rizwan	Detection and Assessment of Water Logged Area along Trimmu Sidhnai Link Canal using RS and GIS Techniques and its Possible Remedial Measures.	2015
181.	Syed Fawad Raza	Assessment of Flood Affected Population using Geo-Spatial Data Modeling Techniques	2015
182.	Saira Tairq	Identification of Multipurpose Water Storage Site using Geospatial Techniques.	2014
183.	Najam	Comparison of Multiple classification Techniques using High Resolution Pleiades satellite Imagery for Improved Forest Mapping: A Case Study of Qasim Wala, District Rahim Yar Khan.	2014
184.	Sajid Ali Summar	Resource Estimatio of Construction Material of Kandiah Valley, Kohistan District, Pakistan.	2014
185.	Zial ul Islam	GIS Enabled Asset Management of Gas Distribution Network. (A Case Study of Shahdara Town Lahore District).	2014
186.	Khurram	Riverine Flood Damage Assessment of Cultivated Lands along Chenab River using GIS and Remotely Sensed Data, Tehsil Hafizabad, Punjab, Pakistan	2014
187.	Mamoon ur Rasheed	Web GIS Application Development and Building a Geo-Database: A Case Study for Defense Housing Authority (DHA)	2014
188.	Ms. Sana Khushi	Geospatial Management of the Solid Waste System (A Case Study of Rawalpindi City) ”	2014
189.	Rana Muhammad Sohail Alsam	Scope of Geographical Information System (GIS) in Revenue Land Record.	2014
190.	Kashif Aslam	Use of Geospatial Technology for Assessment of Water Logging and Salinity Conditions in the Nara Canal Command Area.	2014
191.	Rao Mansoor Ali	Surface Deformation Through RS/GIS Based Geomorphometric Parameters in Lower Jhelum Valley and Eastern Potwar Pakistan	2014
192.	Usman Ahmad	A Study of Polio Disease in Pakistan using GIS Approach.	2014

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
193.	Khalid Mahmood	Creation, Maintenance and Comparison of Multipurpose Cadastre in Pakistan and Saudi Arabia.	2014
194.	Mr. Hafeez ur Rehman	“GIS Based Groundwater Quality Zonation of Upper Rechna Doab”	2014
195.	Mr. Waqas Ahmad Anjum	GIS and Modeling Approach for the Study of Groundwater Systems in Rechna Doab, Pakistan”	2014
196.	Jehanzeb Qureshi	Remote Sensing Study of Tectonic Geomorphology along Kalabagh Fault and Potwar Plateau.	2014
197.	Mr. Naeem Shahzad	“Evaluation of Appropriate Fusion Algorithm for Mapping Mangroves Ecosystem on Very High Resolution Satellite Image”	2014
198.	Muhammad Bilal Saleem	Appraisal of Potential Hydropower Dam Site Using Remote Sensing and GIS Techniques – A Case Study of Neelum Basin.	2014
199.	Sadia Javed	Investigation of Chaman Fault System Through DEM Based Geomorphic Indices	2014
200.	Iqra Khalid	Temporal Groundwater Quality Change Analysis in LCC West Circle	2014
201.	Mr. Wasif Yousaf	An Integrated Approach of Forest Monitoring and Modeling using OBIA and GEOMOD	2014
202.	Ms. Sahar Mirza	“Assessment of Phenological Trends and Yield Estimation Using Remote Sensing A Case Study of Faisalabad District	2014
203.	Mr. Muhammad Humza	“Investigating the Dynamics of Land Cover Change using Object Based Image Analysis: A Case Study of Central Indus Wetlands Complex.	2014
204.	Sarah Hassan	Appraisal of Hypsometric Analysis in Hunza Region using SRTM DEM	2014
205.	Ms. Iqra Shami	GIS Based Temporal Change Detection for Pre and Post Monsoon Water Quality and Depth to Groundwater table of Bahawalnagar Circle.	2014
206.	Ms. Hira Akbar	GIS Enabled Water Quality Evaluation for Irrigation System: A Case Study of Spatio-Temporal Variability in Lower Bari Doab	2014
207.	Irum Murtaza	Neotectonics of Awaran and Vicinity Baluchistan (Pakistan) from SRTM DEM and GIS.	2014
208.	Mr. Muhammad Luqman	Estimation of Solar Energy Potential from Rooftop of Punjab Government Servants Cooperative Housing Society, Lahore Using GIS”	2014
209.	Raqia Shabbir	Landslide Hazard Analysis, A case Study of Dam Reservoir using GIS and Remote Sensing.	2014
210.	Syed Ghulam Mohayud Din Hashmi	GIS-Based Analysis and Modeling of the Coastline Advancement and Retreat"- A Case Study of Ketibunder and Kharo-Chann Talukas, Indus Delta, Pakistan.	2013

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
211.	Rabia Shoukat	Assessment and Mapping of Ground Water Quality Using GIS. A case study of Kasur City.	2013
212.	Adeel Ahmad	Quantification of Carbon Stock using Geospatial Technology in the Moist Temperate Himalayan Forest in Pakistan	2013
213.	Jamal Hassan	Spatial analysis of groundwater hydrochemistry of Sheikhpura using GIS.	2013
214.	Zia ul Mustafa	Geological and Geomorphological Survey Using Geomatics Techniques, A Case study of Murree and Surrounding Areas, Pakistan.	2013
215.	Abdul Raof	Climatic change detection using LANDSAT ETM+ and MODIS NDVI/EVI data products: comparison of district Kasur and Okara.	2013
216.	Umar Javed	Assessment of Transit Stop Service Area using GIS -A Case Study of Punjab University Transportation.	2013
217.	Muhammad Asif Javed	Sensitivity and Suitability Assessment of Urban Parks using GIS and Multicriteria Approach: A case study of Sheikhpura City	2013
218.	Hina Waheed	Remote Sensing Study of Tectonic Geomorphology: Example from Bannu Region	2013
219.	Saba Shahid	DEM Based Analysis of Surface Dynamics: Example from Muzaffarabad Region.	2013
220.	Samawia Rizwan	DEM and GIS Based Investigation of Neotectonics in Chitral Valley-Hindukush Range, Northern Pakistan	2013
221.	Ijaz Ahmad	Spectral Characteristics and Mapping of rice Plants using Multi-Temporal Landsat and Modis Data: A Case of District Narowal	2013
222.	Zahra Waheed	Remote Sensing and Morphotectonic Analysis in Hazara Kashmir Syntaxis Using River Longitudinal Profiles	2013
223.	Hafsah Batool	DEM Based Hypsometric and Hack SL Gradient Analysis to Assess Erosion in Jhelum Valley and Outskirts	2013
224.	Farwa Rabab	RS/GIS Approach to Examine Chaman Fault	2013
225.	Adil Quddos Khan	Status of Microbiological, Physical and Chemical contamination of Lahore aquifer, its causes and management	2012
226.	Saif Ullah	Volumetric estimation of Sakesar limestone on the basis of 3D subsurface model.	2012
227.	Hasan Niaz Ch.	Identification of Hydropower potential using GIS.	2012
228.	Rana Ammad Bin Saddiq	A Study of Lockhart limestone and its uses as construction material.	2011

**B.S. / M.Sc. Research Supervision**

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Title of Research Thesis</b>	<b>Completion Year</b>
1.	Maham Saddique and Safeena Mushtaq	Health and Safety and Environmental Risk Assessment of a Beverage Industry in Lahore	2020
2.	Hamza Hafeez	Gap analysis of Fire Alarm Systems in Intensive Care Units of Selected Hospital's	2020
3.	Nameer Urfi and Muhammad Shahzaib	Ambient Air Quality Monitoring in major road of Lahore City.	2020
4.	Uzma Aslam and Fatima Nazir Ch.	Assessment of Air Quality in Selected Major Cities of Pakistan	2020
5.	Hashim Raza and Gohar Ali	A Study of Current Practices of Municipal Waste Management in Abbottabad	2020
6.	Mariam Javed	Environmental Impact Assessment of Cement Industry in the Salt Range, Pakistan.	2020
7.	Zainab Tahir and Muhammad Haseeb	Quantitative Assessment of Carbon foot Print at University of the Punjab, Lahore	2020
8.	H. Muhammad Hassan Tariq and Syed Muhammad Zubair	Climatic Anthropogenic and Effects on Groundwater availability: A Case Study of South Punjab, Pakistan	2020
9.	Arfa Abid and Farwa Ameen	Study of Ground and Surface Water Interaction using Geospatial Techniques of Selected Areas of Rechna Doab, Pakistan	2020
10.	Kinza Amina, Baniha Razaq and Muhammad Nadeem	Environmental and Cultural Issues on Sustainable Tourism of Gilgit Baltistan	2020
11.	Oreeda Saeed, Tanzila Amir and Sana Riaz	Mapping of Gender-based health and safety needs and the vulnerabilities to risks at their workplaces in Pakistan.	2019
12.	Ahmed Waleed and Abid Iqbal	Estimation of heavy metals from ground and surface water of District Kasur.	2019
13.	Kainat Muniba, Aqsa Rauf and Noor ul Amin	Green Urban spacing and urban sprawl in Lahore using GIS.	2019
14.	Muhammad Nadeem and Muhammad Junaid	Refuse Derived fuel (RDF) production from reject MSW collected at Valencia transfer station, Lahore.	2019
15.	Amer Izhar and Iram Javed	Occupational, Health and Safety analysis of work procedure and risk hazard to worker in inter-wood mobile Pvt. Lahore.	2019
16.	Areeba Farooq and Bathtawar Shafiq	Impact of urbanization on ground water recharge rate at Gujranwala City using GIS.	2019

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
17.	Mahnoor Syed and Sehar Shabir	Climate change and its impacts on monthly rainfall using GIS. A case study of Lahore District.	2019
18.	Azba Sajid and Madiha Iqbal	Hydropower potential of Hunza river using remote sensing and GIS.	2019
19.	Muhammad Usman, Saffi Ulah and Ahmed Bastani	Role of Tour Operators and sustainability issues in Baltistan	2019
20.	Ayesha Rifique, Sara Imtiaz and Muhammad Abubakar	Estimation of Physical and Chemical Parameters of Groundwater in District Sheikhpura	2018
21.	Anam Riaz, Falak Naz Iqbal	Assessment of Various Risks and occupational hazards of workers associated with Dairy Farming in Punjab.	2018
22.	Ansir Rasoor and Syed Nadeem Abbas	GIS / RS Based Quantification of Forest ecosystem services in Salt Range, Punjab.	2018
23.	Sidra Dawood and Mehak Asif	Determination of Carbon Sequestration potential of Selected Green Spaces of Lahore.	2018
24.	Muhammad Tariq Naseem, Tahira Jabeen and Shahana Raza	Environmental Impact Assessment and preparation of EMP for a sugar Industry located in Sargodha, Punjab, Pakistan	2018
25.	Haider Ali, Farhan Ali	Flood Forecasting using artificial neural network (ANN).	2018
26.	Zunaira	Modeling the effort of irrigation on the Hydrological output from a base command area.	2018
27.	Sohaib Hameed	Comprehensive analysis of Business Strategies of Multinational Hospitality brands in Pakistan	2018
28.	Muhammad Ali Raza	Role of customer Support Care Centre Towards Customer Satisfaction.	2018
29.	Nabeel Ahmad, Saleh Ahmad, Ali Haider and Hassan Ali	Quick Service Restaurants (QSR) future growth and Marketing Strategies.	2018
30.	Kashif ur Rehman	Creating awareness among domestic tourists by implementing certain marketing techniques.	2018
31.	Shamim Mukhtar, Maliha Hussain and Wajeelha Fiaz	Mapping of climate variations and impacts on Environment in Punjab region.	2017
32.	Sufyan Bashir, Waleed Riaz, Talha Ibrar	An Approach to quality Management in the food Production Area to identify and Enhance the quality and Vitality of Food and Customer service.	2018

Sr. No.	Name of Student	Title of Research Thesis	Completion Year
33.	Ali Hamza Khan and Daud Azhar	Key Challenges affecting Tourism and a model action plan of Tourism policy. (A conceptual framework in Pakistan.	2018
34.	Mehreen Yousaf and Maliha Anjum	Assessments of management of current health and safety conditions at Juton Pain Industry	2017
35.	Tayyaba Saleem	Assessment of water quality; a case study of Bahawalpur.	2017
36.	Muhammad Abubakar	Decline of religious tourism in Pakistan: A case study of Bari Imam Sarkar and Golra Sharif, Islamabad	2017
37.	Jahanzeb Aslam	Revenue generation potential of Health Club (PC Hotel, Lahore)	2017
38.	Maria Farooq, Wajeeha Ijaz and Azka Anwar	Animal Biodiversity loss due to Road mortalities on selected national highways and motorways	2016
39.	Sidra Shakeel and Um-e- Farwa	Characterization of Tannery wastewater during tanning process and after treatment at KTWMA, Kasur.	2016
40.	Danish Ahmed	Impacts of China Pakistan Economic corridor on ecotourism in northern areas of Pakistan	2016
41.	Namral Maqsood	Impacts of Environment on Tourism in Pakistan	2016
42.	Abdul Samad	Rohtas fort as a tourism venue: A case study	2016
43.	Farhan Khursheed	Domestic Tourism in Karachi	2016
44.	Sohail Rabbani	Ecotourism Potential in Ziarat: A critical Analysis	2016
45.	Dawood Akram	Environmental Impact of Tourism and its remedies: Case of Neelham Valley	2016
46.	Mazhar Hussain	Temporal change analysis of Landuse / Land-cover and change in Ravi River bed using LANDSAT TM Data	2012
47.	Inaam Ullah	Hydrogeological studies of Quetta Basin Baluchistan, Pakistan.	2002
48.	Habib Ullah	Geological Mapping of Left Saddle Embankment of Khanpur Dam Project area and Geotechnical studies along Islamabad Peshawar Motorway (M-1) Pakistan.	2002
49.	Tariq Mehmood Farukh and Muhammad Masood Abbas	Geotechnical studies and Geological Mapping of Left Saddle Embankment of Khanpur Dam Project Area.	2001
50.	Sarfraz Ahmad Sahi and Muhammad Farhan Khalid	Geotechnical studies along Power channel and Power Complex Areas of Ghazi Brotha Hydropower Project.	1999
51.	Abdul Sattar, Tariq Shahzad, Javed Anwar and Arshad Hameed Malik	Geotechnical studies along Pakistan Motorway Project Sec (III) Kallar Kahar and Chakri Area and Geological Mapping of Khanpur Dam area Haripur Hazara Distt. Pakistan.	1998



## **Undergraduate and Graduate Courses Taught**

### University of the Punjab, Lahore, Pakistan

GEOL -440	Hydrology
GEOL -441	Hydrology Lab
GEOL -534	Advanced Hydrology (Grad Course)
GEOL-547	Integration of Remote Sensing, GIS, GPS and Surveying
GEOL -549	Introduction to Remote Sensing
GEOL -550	Introductory Geographical Information System
GEOL -552	GIS Problem Solving
GEOL -553	Geodesy and Surveying
GEOL 554	Research Methodology in Geomatics (Core-Course)
GEOL -555	Geomatics: Spatial Foundations of GIS
GEOL-783	Introductory Geomatics
GEOL-790	Advanced Remote Sensing and its applications
GEOL: 795:	Introductory Geomatics
GEOL: 793	Web GIS and Software Application in Geomatics
GEOL: 791	Application of Remote Sensing and GIS in Earth Sciences
GEOL:	Remote Sensing and GIS (3 <sup>rd</sup> professional applied Geology)
ESNC: 701	Research Methods
ENSC: 718	Remote Sensing & GIS
HYD: 702	Urban Hydrology
ENSC:	Environmental Field Study
ENSC: 501	Climate Change
ENSC 513	Research Methodology in Environmental Science
ENSC: 517	Advanced GIS & Remote Sensing
HYD: 501	Natural hazards
HYD: 507	Dams and Reservoir Engineering
HYD: 708	Advanced GIS and Remote Sensing in Hydrology
HYD 709	Research Methods

## **Undergraduate Courses Taught**

### University of Windsor, Ontario, Canada

Prepared, Supervised, Marked practical labs of  
67-102-Atmosphere and Climatology  
67-210-Geographic Information Systems (GIS)  
67-332-Issues in Resource and Environmental Systems  
67-334-Environmental Impact Assessments  
67-402-Remote sensing



## UNIVERSITY SERVICES

### University of Windsor, Ontario, Canada

2009-2010	Member- <b>Strategic Planning Committee</b>
2009-2010	Member- <b>UCAPT</b> (University Committee on Academic Promotion and Tenure)
2009-2010	Member- <b>UCRPPLM</b> (University Committee on Renewal, Promotion and Permanence for Librarian Members)
2009	Member- <b>Search Committee, Provost and Vice president Academic</b>
2009	Member- <b>Search Committee, Vice Provost and Registrar</b>
2008-2010	Member- <b>Environmental Teaching and Research Forum Planning Committee</b>
2007-2010	<b>President-Graduate Student Society</b>
2007-2010	Member- <b>Board of Governors</b>
2006-2010	Member- <b>Senate</b>
2007-2009	Member- <b>Resource Allocation Committee</b>
2007-2010	Member- <b>Campus Safety Audit Committee</b>
2007-2010	Member- <b>Campus Police Advisory Board</b>
2007-2010	Member- <b>Student of Concern Committee</b>
2007-2010	Member- <b>Wellness Centre Steering Committee</b>
2007-2010	Member- <b>Research Advisory Board</b>
2007-2008	Member- <b>Adhoc Committee of Diversity and Inclusion</b>
2007-2010	Member- <b>Executive Committee of Faculty of Graduate studies</b>
2007-2009	Member- <b>Academic Policy Committee</b>
2007-2008	Member- <b>Search Committee, Vice president Research</b>
2007-2008	Member- <b>Search Committee, Ontario Research Chair for Cross Boarder Transportation Policy</b>
2006-2008	Member- <b>Council of Department of Earth and Environmental Sciences</b>
2006-2008	Member- <b>Promotion Tenure Committee, Department of Earth and Environmental Sciences</b>
2006-2007	Member- <b>Senate Steering Committee</b>
2006-2007	Member- <b>Senate Student Committee</b>
2006-2010	Member- <b>Council of the Faculty of Graduate Studies and Research</b>
2005-2006	<b>Vice-President-CUPE-4580 GA/TA Union</b>

**University of the Punjab, Lahore, Pakistan**

2021-to-date	<b>Member</b> , Hall Council, University of the Punjab, Lahore nominated by the Syndicate, University of the Punjab, Lahore
2021-to-date	<b>Member</b> , Board of Studies, Department of Chemistry, University of Engineering and Technology, Lahore
2021-todate	<b>Member</b> , Committee for rationalization of existing teaching and non-teaching posts keeping in view of student / teacher / employee ratio of the University of the Punjab, Lahore
2020-to-date	<b>Member</b> , Ethical Committee for Issuance of Clearance Certificates after evaluation of i). Research Projects before submission to Funding Agencies (National / International); ii). Publications for Research Journals, and iii). Research related matters of BS/ MS / M.Phil. / PhD
2020-todate	<b>Member</b> , Petition Committee, University of the Punjab, Lahore
2020-todate	<b>Member</b> , Search Committee for the Appointment of Member (Technical) in Punjab environmental Tribunal, Lahore
2020-2021	<b>Member</b> , Main Purchase & Indent Committee, University of the Punjab, Lahore
2019-to-date	<b>Chairman</b> , Research Team for Assessment of Brick Kilns Emissions in Punjab and Comparison between old, new and modified Technology in Brick Kilns, constituted by the Environmental Protection Department, Government of the Punjab, Lahore.
2019-todate	<b>Convener</b> , Committee for Redresses of the grievances/ complaints of the Students in Zone-4 of the Punjab University Quaid-i-Azam Campus, Lahore
2019-todate:	<b>Member</b> , Committee constituted by the Syndicate to examine the Issue regarding construction of new 132 KV Grid Station in the University of the Punjab, Lahore
2019-todate	<b>Member</b> , Committee to inculcate integrity, civility and character building amongst the students, University of the of the Punjab, Lahore.
2019-todate	<b>Member</b> , Committee for Identification of Land, PC-I Preparation, Revenue Generation and Fund Raising for the Construction of Building as per requirements of the Confucius Institute, University of the Punjab, Lahore.
2019-todate	<b>Member</b> , Investment Committee, University of the Punjab, Lahore
2019-todate	<b>Member</b> , Appointment Committee of the Board of Paper Setters & Head Examiners of the Board of Intermediate and Secondary Education, Gujranwala.
2019-todate	<b>Member</b> , Committee Regarding Grant of Advance / Annual Increment and Performance Based Increment / honorarium to the Faculty Members working under Tenure Track System at the University of the Punjab, Lahore.
2019-todate	<b>Member</b> , Committee to Plan and Organize an International Conference on Biological Science, Chemistry and other related

	fields in collaboration of the Royal Society of Chemistry UK and with the support of Higher Education Commission, Islamabad.
2019-todate	<b>Member</b> , Committee to Resolve the issues Pertaining to i). Several Programs offered by the University which are overlapping each other and various departments offering programs that are in the domain of other departments and ii). Restructuring of several faculties / departments.
2019-2020	<b>Member</b> , Selection Board Committee for the selection of Assistant Professor (BPS-19/TTS) in the subject of Soil Science in the Department of Environmental Sciences, GC University Faisalabad.
2019-2020	<b>Member</b> , Budget Committee for the year 2019-2020, University of the Punjab, Lahore
2019-2020	<b>Member</b> , Committee constituted by the Vice Chancellor to prepare the SOPs regarding promotion of Faculty members under BPS and TTS to the next Cadre from due date etc.
2019-2020	<b>Member</b> , Committee to prepare the SOPs regarding promotion of P.U. Faculty Members under BPS and TTS to the next cadre.
2019-2020	<b>Member</b> , Election Commission for Registered Graduate for Senate University of the Punjab, Lahore
2019-2020:	<b>Member</b> , Committee for Rationalization of existing teaching and non teaching posts keeping in view of student / teacher / employees ratios of the Punjab, University Lahore for the budget estimates 2020-2021
2018-2021	<b>Elected Member</b> , Punjab University Syndicate
2018- todate	<b>Member</b> , Advanced Studies and Research Board (ASRB), P.U., Lahore.
2018 – todate	<b>Member</b> , Departmental Technical Review Committee (TTS Faculty) for the Subject of Environmental Sciences & Engineering, at the Government College University, Faisalabad.
2018 –todate	<b>Member</b> , Board of Faculty of Science, University of Okara
2018-todate	<b>Member, Medical Advisory Committee</b> of the University of the Punjab, Lahore
2018-todate	<b>Convener</b> , Resource Generation Committee, University of the Punjab, Lahore
2017-todate	<b>Member</b> , Research paper Evaluation Committee of the International Journal of Economic and Environmental Geology (IJEEG) ISSN: 2223-957X
2017-todate	<b>Member</b> , Ahoc Committee to discharge the functions of the Board of Studies in Integrated Mountain Research, P.U., Lahore.
2017-2019	<b>Member</b> , Committee to Review the Punjab Groundwater (Protection, Regulation and Development) Act, 2017 (Draft)
2017-2019	<b>Member</b> , Departmental Tenure Review Committee (DTRC) of the Institute of Geology, University of the Punjab, Lahore
2017-2018	<b>Member</b> , Selection Committee for the Best Employee(s) of the Year 2017 at the University of the Punjab, Lahore

2016-todate	<b>Member</b> , Bioethics Committee to issue Clearance certificate to all applications sent to HEC under National Research Program for Universities (NRPU) Projects.
2016-2018	<b>Member</b> , Management Committee for Department of Mosques, University of the Punjab, Lahore
2016-2018	<b>Member</b> , Doctoral Program Coordination Committee (DPCC), University of the Punjab, Lahore.
2016-2017	<b>Member</b> , Selection Committee for appointment of Administrative Staff at the Skill Development Centre.
2015-todate	<b>Convener</b> , Board of Studies in Earth and Environmental Sciences, College of Earth and Environmental Sciences, P.U., Lahore
2015-todate	<b>Convener</b> , Departmental Tenure Review Committee (DTRC) of the College of Earth and Environmental Sciences, P.U., Lahore
2015-todate	<b>Convener</b> , Departmental Doctoral Program Committee (DDPC) of the College of Earth and Environmental Sciences, P.U., Lahore
2015-todate	<b>Member</b> , Committee to Ascertain the Reasons of Dense Fog / Smog During the Winters in Lahore
2015-todate	<b>Member</b> , Board of Studies for Sustainable Development Study Centre, Govt. College University (GCU), Lahore.
2015-todate	<b>Member</b> , Committee to rationalize the policy guidelines for Dual / Double / Joint degree programs in Pakistan.
2015-2017	<b>Member</b> , Committee for visit of the Chakwal for the Establishment of a sub-campus of University of the Punjab at Chakwal.
2014-2017	<b>Member</b> , Selection Committee for the appointment of Security staff of the Punjab University.
2014-2017	<b>Resident Officer-I</b> , University of the Punjab, Lahore
2014-2017	<b>Chairman</b> , Purchase Committee for Financial approvals on account of purchase of Spare Parts & Machinery etc. of Transport Wing
2014-2017	<b>Chairman</b> , Sub-Committee of Main Shops / Kiosks Committee
2014-2017	<b>Secretary</b> , Transport Committee
2014-2017	<b>Secretary</b> , House Allotment Committee for Teaching / Non Teaching Staff, P.U., Lahore
2014-2017	<b>Secretary</b> , Shops / Kiosks Committee
2014-2017	<b>Secretary</b> , Khanspur Management Committee
2014-2017	<b>Member</b> , Management Committee for the BMT Hostels
2014-2017	<b>Member</b> Committee for the appointment of Chief Security Officer on Contract Basis
2014-2017	<b>Member</b> , Committee for Khalid Bin Waleed Hall, Old Campus
2014-2017	<b>Member</b> , Committee to Review, Process, Prioritize and approve the repair and Maintenance work Estimates for the fiscal year 2014-15.
2014-2017	<b>Member</b> , Committee to make arrangements for demolishing the boundary wall and structure of Rani Rani Ghee Mills Near Jhelum Campus.

2014-2016	<b>Member</b> , Committee for the appointment of Warden / Superintendent and Assistant Superintendents
2014-2016	<b>Member</b> , Committee to Review proposals and initiate the process of maximizing the University Income from Land.
2014-2016	<b>Member</b> , Selection Committee to interview the candidates for the appointment against the post of various categories in Transport Wing.
2014-2016	<b>Member</b> , Selection Committee for the staff of IER.
2014-2016	<b>Member</b> , Main Auction Committee of the Punjab University
2014-2015	<b>Member</b> , Admission Stall Committee
2014-2015	<b>Member</b> , Book Fair Management Committee
2014-2015	<b>Member</b> , Convocation Management Committee
2014-2015	<b>Member</b> , Committee to National Flag Hoisting Ceremony for Independence Day.
2014-2015	<b>Member</b> , Encroachment Control Committee
2014-2016	<b>Member</b> , Punjab University Graveyard Committee
2014-2017	<b>Member</b> , Rationalization Committee for rationalization of posts according the workload.
2014-2016	<b>Member</b> , Price Control Committee for the Residential Colony and Hostel Markets
2014-2016	<b>Member</b> , Management Committee for Employees Housing Society.
2013 - todate	<b>Member</b> of Board of Studies (BOS) in Geology
2013 - todate	<b>In-Charge</b> Scholarship Committee
2013 - 2015	<b>Member</b> Postgraduate Committee
2012- 2015	<b>Student Advisor</b> , Institute of Geology
2011- 2015	<b>Member</b> , Doctoral Program Committee (DPC) in Geology
2011- 2015	Sports Advisor, in Geology
2011- 2015	<b>Coordinator</b> MPhil. Geomatics Program
1996-2002	Sports Advisor in Geology

#### **PROFESSIONAL SOCIETY MEMBERSHIPS AND OFFICES**

2021-todate	<b>Member</b> , Committee of Experts for Review of Initial Environmental Examination (IEE) and Environmental Impact Assessment (EIA) of the Environmental Protection Agency (EPA), Government of the Punjab.
2021-todate	<b>Member</b> , Working Group on Land Use Change and Forestry, Ministry of energy (Power Division), National Energy Efficiency & Conservation Authority, Government of Pakistan.
2018-todate	<b>Member</b> , Board of Directors, Tourism Development Corporation of Pakistan.
2018-to-date:	<b>Focal Person</b> , on the “Promoting Acceptance and Peace Building” campaign at the University of the Punjab, Lahore in collaboration with the Centre for Health and Gender Equality (CHANGE).

2017-todate:	<b>Focal Person</b> , on the “Peace and Countering Violent Extremism: Inspiring the Future” Campaign at the University of the Punjab, Lahore in collaboration with the Centre for Health and Gender Equality (CHANGE).
2017 – todate	<b>Member</b> , Expert Committee in Climate Change, Drought Hazard Assessment, GIS & Remote Sensing, Training Modules Development & Facilitation Specialist of the Provincial Disaster management Authority, Government of the Punjab, Lahore
2017-todate	<b>Member</b> , Board of Studies for Environmental Sciences, COMSATS Institute of Information Technology, Islamabad.
2017-todate	<b>Member</b> , Pakistan Association for the Advancement of Science, Lahore, Pakistan.
2016-to-date	<b>Member</b> , HEC Curriculum Revision Committee in Remote Sensing & Geographical Information System
2016-to-date:	<b>Member</b> , Pakistan Association for the Advancement of Sciences (Punjab Council), Session 2017-2020.
2016-2017	<b>Member</b> , EPA Biodegradable Material Committee, Govt. of the Punjab, Lahore
2016-2018	<b>Member</b> , Technical Working Group to Deliberate on Incinerator Vs Auto-Cave and Recommend appropriate Technology for Safe Hospital Waste Disposal Facility in Public Sector Hospitals of Punjab, City District Government, Lahore
2016-2017	<b>Member</b> , Consultative Committee on Consumption & Production Pattern (SCP) for Preparation of National Action Plan (NAP) and Revised National Sustainable Development Strategy (NSDS) of the Environmental Protection Agency, Government of the Punjab, Lahore
2016-2017	<b>Member</b> , Standing Committee on Environmental Affairs of the Federation of Pakistan Chambers of Commerce & Industry.
2015-to-date	<b>Secretary</b> , HEC Curriculum Revision Committee in Water Management
2015-to-date	<b>Member</b> , Stratigraphic Committee of Pakistan
2015-2016	<b>Member</b> , HEC Curriculum Revision Committee in Marine Sciences
2015 –2016	<b>Member</b> , Provincial Climate Change Policy Implementation Committee (PCCPIC) of the Environment Protection Department (EPD), Government of the Punjab, Lahore.
2015-2016	<b>Member</b> , Committee to Ascertain the Reasons of Dense Fog / Smog during the Winters in Lahore, constituted by the Chief Minister’s Office, Government of the Punjab, Lahore
2011-2017	<b>President</b> , Punjab Geological Society, Lahore, Pakistan
2010	<b>Member</b> , OARS (Ontario Association of Remote Sensing)
2009-2010	<b>Member</b> , URISAOC (Urban & Regional Information Systems Association Ontario Chapter)
2007	<b>Member</b> , Royal Geographical Society, United Kingdom
2004-2010	<b>Member</b> , Association of Professional Geoscientists of Ontario (GIT member)
2002-2003	International Association of Hydrogeologists (IAH), UK



2002-2003	<b>General Secretary</b> , International Association of Hydrogeologists (IAH), Pakistan Chapter
2001-2002	<b>Treasurer</b> , International Association of Hydrogeologists (IAH), Pakistan Chapter
2000-2003	<b>Member</b> , Rotary Club of Lahore Garrison, Pakistan
1998-2000	<b>General Secretary</b> , Punjab Geological Society, Pakistan
LIFETIME	<b>Member</b> , National Geological Society, Pakistan
LIFETIME	<b>Member</b> , Punjab Geological Society, Pakistan

### **ARTICLES PUBLISHED IN REFEREED JOURNALS & CONFERENCES**

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- 158 Ijaz, B., Tabinda, A, **Ahmad, S.R.**, Khan W., and Yasin, N.A. (2020). Biogas Synthesis from Solid Waste of Leather Industry in District Sialkot, Pakistan, *Polish Journal of Environmental Studies*, 29(5): 3621-3628.
- 157 Ali, S.N., Baqar, M., Mumtaz, M., Ashraf, U., Anwar, M.N., Qadir, A., **Ahmad, S.R.**, Nizami, A.S. and Jun, H. (2019). Organochlorine Pesticides in the surrounding Soils of POPs Destruction Facility: Source Fingerprinting, Human Health, and Ecological Risks Assessment, *Environmental Science and Pollution Research*, [Doi.org/10.1007/s11356-019-07183-7](https://doi.org/10.1007/s11356-019-07183-7), **IF. 2.914**
- 156 Ijaz, M., Akram, M., **Ahmad, S.R.**, Khan, W., Thygersson, S. and Nadeem, F. (2020). Dust Generation and Respiratory Impacts of underground coal producing mines of Punjab, Pakistan, *Polish Journal of Environmental Studies*, 29(5):1-10: **IF. 1.186**
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## International Book Chapter

Sr. No.	Type	Title	Publisher /Organization	ISSBN/ID	Edition/ Version	Date	Citation
01.	Book Chapter	Vulnerability of Environmental Resources in Indus Basin After the	Intech Open Publisher	978-1-78984-677-5	Online	2019	08

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31. Shakeel, S., Nazir, A., Bareen, F. and **Ahmad, S.R.** (2017). Characterization of Tannery Waste Water During Tanning Process and After Treatment at KTWMA, Kasur, in the First International Conference on Earth And Environmental Sciences “ETEES 17” held at the College of Earth and Environmental Sciences, University of the Punjab, Lahore
32. Kanwal, Ayesha, W., Nisa, Z.U., and **Ahmad, S.R.** (2017). Groundwater Quality Index And Mapping of Lahore City, in the First International Conference on Earth And Environmental Sciences “ETEES 17” held at the College of Earth and Environmental Sciences, University of the Punjab, Lahore
33. Wahid, A., Sanaullah, M. and **Ahmad, S.R.** (2017). Geo-Mechanical Studies of Coarse Aggregates Of Varying Origins And Their Effect On Class B Concrete At Fixed Water Cement Ratio, in the First International Conference on Earth And Environmental Sciences “ETEES 17” held at the College of Earth and Environmental Sciences, University of the Punjab, Lahore
34. Ghalib, A., Qadir, A., Ali, H. and **Ahmad, S.R.** (2016). A system Dynamic Approach for Assessment of Sustainable urban Development in five major cities of the Punjab, Pakistan, 4<sup>th</sup> International conference on Energy, Environment and sustainable Development 2016 (EESD 2016), held from November 1-3, 2016 at Mehran University, Sindh.
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37. Abbas, N., Jamil, N. Imran, S.A., **Ahmad, S.R.**, Butt, M.T., Deeba, F., Hussain, N. and Khan, R.A. (2016) Study on the Accidental Release of Toxic Gases and its Consequences using ALOHA Technique, 4<sup>th</sup> International conference on Energy, Environment and sustainable Development 2016 (EESD 2016), held from November 1-3, 2016 at Mehran University, Sindh.
38. Shafiq, M., Bareen, F, Nazir, A., **Ahmad, S.R.**, (2016). Sustainability Prospects of Defects Linking of decentralized Municipal Solid Waste management (MSW) with Urban Sprawl. International Conference on Energy for environmental and Economic Sustainability ICEEES-2016 held from October 20-23, 2016 at Pearl Continental Lahore.
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41. Imran, M. and **Ahmad, S.R.** (2016). An Assessment of Deforestation of Changa Manga Forest using GIS Application and Climatic Effects of Deforestation in the Region, in proceedings of 1<sup>st</sup> National Conference on Environmental Engineering & Management (NCEEM 16), held from April 13-14, 2016 at Mehran University of Engg. & Tech, Jamshoro.
42. Majid, Z, Nisa, Z.U. and **Ahmad, S.R.** (2016). Hydrological Rainfall Runoff Modeling of Hunza Catchment using HEC-HMS in proceedings of National Conference on Water for People, Water by People World Water Day, Lahore March 19, 2016, published in "The Environ Monitor", XVI(1-3):27-37.
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44. **Ahmad, S.R.** and Rashid S. (2013) A GIS based DRASTIC model for assessing groundwater vulnerability, 1<sup>st</sup> International Conference on Global Environmental Changes. January 15-16, 2013 in Faisalabad, Pakistan. Abstract Book pp.45
45. **Ahmad, S.R.**, and Khalid K. Himalanay Journal of Earth Science     Abstract Book pp.45
46. **Ahmad, S.R.**, and Ghalib, A.K. Himalanay Journal of Earth Science     Abstract Book pp.45
47. Parizanganeh, A., **Ahmad, S.R.**, Lakhan, V.C., (2009) Addressing the Issue of Spatial Variations in Environmental Education with a Geographical Information System. 5<sup>th</sup> World Environment Education Congress, World Environment Education Congresses. May 10-14, 2009 in Montréal, Canada. pp. 47 poster session
48. **Ahamd, Rashid, S.**, (2009) Use of GIS for Visualizing Concentrations of Sediments in the Nearshore Environment. Be Spatial 09, URISAOC (Urban& Regional Information Systems Association Ontario Chapter) 5<sup>th</sup> May, 2009 in Vaughan, Canada
49. **Ahamd, Rashid, S.** and Lakhan, V.C., (2004) Investigating the Propagation and Stabilization of Mud Banks Along the Guyana Coast. Canadian Association of Geographers-Ontario (CAGONT 2004) Annual Conference, Canada. October 29-30, 2004, Program and Abstracts, pp.18.
50. Sheikh, M.I. and **Rashid, S.**, (2001) Management of solid waste disposal of Lahore metropolitan area and its effects on soil, Journal of Nepal Geological Society Nepal, Abstract Vol.: 76 (Special Issue).
51. Sheikh, M. I. and **Rashid, S.**, (2001) Urban Mineral Resources of Lahore Metropolitan Area, Punjab, Pakistan, 4<sup>th</sup> Pakistan Geological Congress Islamabad, Pakistan. February 27-28, 2001 Abstract Vol., pp.52.
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55. **Rashid, S.**, Mirza, K. and Younus, M., (2000) Hydrogeological investigation and Resistivity survey at Chakri and KalarKahar areas, Lahore-Islamabad Motorway (M2), Pakistan. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp. 159.
56. **Rashid, S.**, Mirza, K., Sheikh, M.I. and Ahmad, S., (2000) Environmental Geology of Lahore City, Punjab, Pakistan. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., 160.
57. **Rashid, S.**, Malik, M.H. and Khan, M.S., (2000) Elaboration of Aquifer System and its Application for Protection of Groundwater Contamination in the Dhamrakas Basin, WahCantt. Pakistan. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp.161.
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59. Ashraf, K.M., Sarwar, G., **Rashid, S.** and Latif, M.S., (2000) Shallow and Deep Groundwater Resources in Cholistan Desert. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp. 42.
60. Sheikh, M I., Ahmad, S. and **Rashid, S.** (2000) Environmental and Geomorphological aspects of the Lahore city in urban planning and development. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp.103.
61. Chishti, M. H., Ahmad, N. and **Rashid, S.**, (2000) Influence of Final Pyrolysis Temperature on Pyrolysis of Kark Oil Shale from Pakistan. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp.124.
62. Sheikh, M.I., Ahmad, S. and **Rashid, S.**, (2000) Environmental Geology and landuse planning of Islamabad, Pakistan. Third South Asia Geological Congress Lahore, Pakistan. September 23-26, 2000, Abstract Vol., pp.141.
63. Sheikh, M.I. and **Rashid, S.**, (1999) Development, management and protection of groundwater resources Lahore City, Punjab Province, Pakistan. Journal of Nepal Geological Society Nepal, Vol. 20 (Special Issue) Abstract Vol., pp.128-129.
64. Sheikh, M.I. and **Rashid, S.**, (1999). Development, pollution protection and management of Groundwater resources of Dera Ghazi Khan City, Punjab, Pakistan. 3rd SEGMITE International symposium on sustainable development of surface and groundwater resources and Exhibition of water purification processes equipment and products in March 1999 at Karachi. (Abstract Vol.), pp. 41-42.



## **CONGRESS / TRAINING COURSES / MEETINGS ORGANISATION**

1. Chief Organizer of the 38<sup>th</sup> All Pakistan Science Conference on “Energy Crises and their Solution in Pakistan” held on December 10-11, 2018 organized by the Pakistan Association for Advancement in Science in collaboration with the College of Earth and Environmental Sciences, University of the Punjab, Lahore.
2. Resource Person of the Training Course on “Capacity Building Training on Implementation of environmental Management Plan (EMP), Dasu Hydropower Project”, WAPDA, held on December 18-20, 2017 organized by the National Centre for Resettlement & Rehabilitation, Institute of social & Cultural Studies, P.U., Lahore.
3. Chief Organizer of the First International Conference on Earth and Environmental Sciences “ETEES 17” held at the College of Earth and Environmental Sciences, University of the Punjab, Lahore from March 9-10, 2017.
4. Chief Organizer, National Seminar on “Smog: Formation, Impact and Mitigation” on Tuesday, November 29, 2016 at Al-Razi Hall, Centre for undergraduate Studies, PU, Lahore.
5. Organizer of One-Day Seminar on “Management of Site Pollutions, Water Management & Renewable Energies” by Dr. Frank P. M. KARG, EU Investment and Technology Expert & President CEO of HPC International, held on November 22, 2016 at CEES, PU, Lahore.
6. Member, National Organizing Committee of 2 Day International Conference on Significance of Potash use in Pakistani Agriculture, held from October 24-25, 2016 at Institute of Agricultural Sciences (IAGS), P.U., Lahore
7. Member organizing committee of One-Day Workshop on “Dengue Management held on December 21, 2015 at IAGS, PU, Lahore.
8. Member, Organizing committee of 2-Day Workshop on Next Generation Sequencing (From Physiology to Bio-informatics), held from December 4-5, 2015 at IAGS, PU, Lahore.
9. Member, National Organizing Committee of 3-Day 5<sup>th</sup> International / 10<sup>th</sup> National Conference of Pakistan Phytopathological Society on “Crop Protection for Sustainable Agriculture” held from November 23-25, 2015 at IAGS.
10. Organizer One Day course on “Mining Geology 101” held on March 30, 2016 at the College of Earth and Environmental Sciences, University of the Punjab, Lahore
11. Organizer two months GIS-SHORT TRAINING COURSE, May-June 2014 Institute of Geology, University of the Punjab, Lahore, Pakistan.
12. Organizer two months GIS-SHORT TRAINING COURSE, May-June 2013 Institute of Geology, University of the Punjab, Lahore, Pakistan
13. Organizer two months GIS-SHORT TRAINING COURSE, May-June 2013 Institute of Geology, University of the Punjab, Lahore, Pakistan.
14. Chief Organizer ANNUAL DINNER AND PRIZE DISTRIBUTION CEREMONY, December 13, 2012, Institute of Geology, University of the Punjab, Lahore, Pakistan.

15. Organizer Three weeks GIS-SHORT TRAINING COURSE, August 27-September 17, 2012 Institute of Geology, University of the Punjab, Lahore, Pakistan.
16. Organizer ONE day seminar on HAZARDS OF GEOGRAPHY: EARTHQUAKES, FLOODS AND LANDSLIDES, May 11, 2012, Institute of Geology, University of the Punjab, Lahore and Punjab Geological Society, Lahore, Pakistan.
17. Course Director of one month Introductory Certificate Course in GIS & RS from July – August 2011 at the Institute of Geology, University of the Punjab, Lahore
18. Organizer of 9<sup>th</sup> ANNUAL GENERAL MEETING of Graduate Student Society, University Of Windsor, Ontario, Canada on February 24, 2010.
19. Organizer of 8<sup>th</sup> ANNUAL GENERAL MEETING of Graduate Student Society, University Of Windsor, Ontario, Canada on February 26, 2009.
20. Organizer of 7<sup>th</sup> ANNUAL GENERAL MEETING of Graduate Student Society, University Of Windsor, Ontario, Canada on February 15, 2008.
21. Course Director of national training Course on COMPUTER APPLICATIONS, 18 March –18 May 2002 at Computer Club of Institute of Geology, University of the Punjab Lahore, Pakistan
22. Course Director of national training Course on GROUNDWATER RESOURCES AND THEIR ENVIRONMENTAL IMPACTS, 31<sup>st</sup> January-1<sup>st</sup> February 2002, at Lahore organized by National Committee of Pakistan, International Association of Hydrogeologists in collaboration with Institute of Geology, University of the Punjab Lahore, Pakistan
23. Course Director of national training Course on GROUNDWATER MODELLING from 3-4 September 2001 at Lahore organized by National Committee of Pakistan, International Association of Hydrogeologists in collaboration with Institute of Geology, University of the Punjab and Punjab Geological Society, Lahore, Pakistan
24. Deputy Chief Organizer of THIRD SOUTH ASIA GEOLOGICAL CONGRESS from 23<sup>rd</sup> to 26<sup>th</sup> September 2000 in Lahore, Pakistan Organized by Pakistan Academy of Geological Sciences.
25. Organizer of a national training Course on LANDSLIDES, IDENTIFICATION, ANALYSES and REMEDIATION from December 22, 1999 to January 21, 2000 in Lahore organized by Kent State University USA, and The Institute Of Geology, Punjab University Lahore in collaboration with Ministry of Labour, Manpower and Overseas Pakistanis and UNDP under TOKTEN Program.
26. Organizer of a regional post-graduate training course on PLATE TECTONICS from April 30 to May 8, 1999 in Lahore and Northern Areas of Pakistan organized by United Nations Educational, Scientific and Cultural Organization and the University of the Punjab, Lahore, Pakistan.
27. Organizer of a national training Course on ENVIRONMENTAL HYDROGEOLOGY and GROUND WATER CONTAMINATION from 26 January to 14 February 1999 in Lahore organized by The Institute of Geology, Punjab University Lahore in collaboration with Ministry of Labour, Manpower and Overseas Pakistanis and UNDP under TOKTEN Programme.



28. Organizer of a national training course on EVALUATION OF AGGREGATE AS A CONSTRUCTION MATERIAL from December 24, 1997 to January 14, 1998 in Lahore conducted by The Institute of Geology, Punjab University Lahore in collaboration with Ministry of Labour, Manpower and Overseas Pakistanis and UNDP under TOKTEN Programme.

#### **CONFERENCES, WORKSHOPS, TRAININGS COURSES PARTICIPATION**

1. Virtual Participation in the UNFSS Independent Dialogue in Pakistan on Role of Water-Energy-Food Nexus for achieving food Securing a Changing Climate for Pakistan, scheduled on April 21, 2021, organized by the International Water management Institute (IWMI).
2. Participated (Virtual) in the 7<sup>th</sup> Asia-Pacific Climate Change Adaptation Forum held from March 8-12, 2021 Organized by the Ministry of the Environment of Japan, together with the Asia Pacific Adaptation Network (APAN) Secretariat.
3. Participated and presented paper titled “*Assessment of Consumer Behavior and Awareness regarding Electronic-Waste, its Management and Disposal Practices in the Lahore City of Pakistan*” in the National Symposium on Integrated Solid Waste Management held at Karachi Chamber of Commerce & Industry (KCCI) held from February 3-4, 2021.
4. Participated in the 8<sup>th</sup> International Conference on Research in Education “Covid 19: Teaching Learning Opportunities” held from December 21-23, 2020 at the Institute of Education and Research, University of the Punjab, Lahore.
5. Participated in the International Conference on Business and Commerce (ICBC-2020) held from November 24-25, 2020 at the Hailey College of Commerce, University of the Punjab, Quaid-i-Azam Campus, Lahore,
6. Participated in the Consultation meeting on Sustainable Development Goals (SDGs) Resource Gap Analysis, Punjab Province, held on December 16, 2020 organized by the Food and Agriculture Organization of the United Nation at Hotel One, Upper Mall, Lahore
7. Participated in a dialogue on “Fostering Trust amongst Pakistan’s Water Institution in Data measurement and monitoring” held on December 15, 2020 organized by the Pakistan Council of Research in Water Resources, Ministry of Science and Technology, Government of Pakistan.
8. Chaired Technical Session and presented paper at the Symposium on Industrial Minerals, Coal and Mineral Based Industries, PCSIR Laboratories Complex, Off University Road, Karachi, held from November 21-22, 2019
9. Participated in the Corporate Conversation on SDGs organized by Fauji Fertilizer Company Limited at Pear Continental Hotel, Lahore, held on December 19, 2019.
10. Participated in the 7<sup>th</sup> Monsoon Form “Monsoon 2019 Outlook, Associated Vulnerabilities & Mitigation Options” held on June 17, 2019 at Khursheed Hall, Avari Hotel, Lahore organized by the Pakistan Meteorological Department (PMD).
11. Participated in the “Exchange Forum on Responsible Consumption: Pathways of Achieving SDG 12” held on May 22, 2019 organized by the consumer Rights Commission of Pakistan in collaboration with Financing Sustainable Development (FSD), at Pearl Continental, Lahore.

12. Participated and Chaired a Technical Session in the Third Conference on Challenges and Possibilities for Environmental Sustainability with a Focus on Pakistan held from 20-21 February, 2019 at the Lahore School of Economics, Lahore.
13. Participated in the Final Workshop for validation of Persistent Organic Pollutants (POPs) inventories and development of Action Plans for POPs Management in Pakistan, held from February 13-14, 2019 at Ramada Hotel, Islamabad.
14. Participated as Invited Speaker in the 18<sup>th</sup> Executive Training course Conducted at Executive Development Institute (EDI) on Environmental Pollution Hazardous Health and Economic Impacts: held from February 11-13, 2019 and demonstrated the presentation on “An analytical Overview of Geographical Changes affecting Climate Change”.
15. Participated and presented research paper in the 15<sup>th</sup> International Conference on Environmental, Cultural Economic & Social Sustainability held on January 17-19, 2019 at University of British Columbia, Canada.
16. Participated in one day workshop on “Community Based Disaster Risk Management Program” Developed for the Punjab Province under world Bank Assisted Disaster & Climate Resilience Improvement Project (DCRIP)” organized by the Provincial Disaster Management Authority, Govt. of the Punjab, on January 14, 2019 at Park Lane Hotel, Gulberg-III, Lahore.
17. Participated in the “Foresight Workshop as a Tool for Strategic Planning” organized by the Planning and Development Department, Government of the Punjab and Punjab Sustainable Developmental Goals Unit in collaboration with UNDP held on December 11-12, 2018 at Royal Palm Golf and Country Club, Lahore.
18. Participated in the Voluntary National Review (VNR) on SDGs in Pakistan held on December 6, 2018 at the Planning and Development Department, Punjab Civil Secretariat, Lahore.
19. Participated in the Training Course on Climate Change: Implications and Adaptations: held at the Akhter Hameed Khan National Centre for rural Development, Islamabad, from November 26-30, 2018.
20. Participated in the National Seminar on “Role of Large Dams in Sustainable Development of Pakistan” held on Tuesday, October 2, 2018 organized by the Centre of Excellence in Water Resources Engineering, University of Engineering & Technology, Lahore.
21. Participated as Guest of Honor / Invited Speaker in the Tourism Development Corporation of Punjab’s (TDCP) event on the theme “Tourism and the Digital Transformation” on the occasion of Tourism Day, September 27, 2018 held at the Al-Hamra Arts Council, Lahore.
22. Participated and presented paper in the International Conference & Exhibition on Clean Energy (ICCE 2018) from August 6-8, 2018 at Laval University, Canada held at the Laval University, Canada, from August 6-8, 2018.
23. Participated in the “City Dialogue” on the topic of Entrepreneurship in cities & introduction of Book “Kamiyab Log” held at the Quaid-i-Azam Library, Lahore on Friday, June 29, 2018.
24. Participated in the Provincial Scoping workshop “Environmental & Social Impact Assessment Study for the TAPI Pipeline Project (Punjab Section)” organized by the EMC Pakistan Pvt. Ltd. Held on May 30, 2018 at the Hotel Perl Continental, Lahore.

25. Participated in the International Conference on Banking, Insurance & Business Management, held on December 12, 2018 at the Hailey College of Banking and Finance, University of the Punjab, Lahore.
26. Participated in the Seminar of Alumni Association University of the Punjab (AAUP) held on December 8, 2018.
27. Participated as Invited Speaker in the Seminar on Role of Media in Rights of Transgender, held in December 12, 2018.
28. Participated in the International Conference on Environment and Sustainable Development 2018 held from March 13-14, 2018 at Sustainable Development Study Centre, GCU, Lahore
29. Participated in the Climate Reality Leadership Corps Training Course in Los Angeles held from August 28-30, 2018.
30. Participated and presented research paper in the Symposium on Water Contamination Issues and Treatment Techniques held from February 11-12, 2018 at the Abdus Salam Research Forum, Nusrat Jahan College Rabwah, District Chiniot-Pakistan.
31. Participated in launch of the Punjab Economic Report 2017 organized by Planning & Development Department and Punjab Economic Research Institute (PERI) on December 18, 2017 at Faletti's Hotel, Lahore.
32. Participated and chaired the concluding session of the National Workshop on Air Pollution & Smog: from Science to Solution at the University of Veterinary and Animal Science, Lahore held on November 2017.
33. Participated in the Pakistan Water Security Diagnostic consultative workshop organized by the International Water Management Institute (IWMI) held on November 1, 2017 at Serena Hotel, Islamabad.
34. Participated in the Peace and Tolerance Round Table Discussion / Meeting organized under USAID Funded Merit and Needs Based Scholarship program by the Higher Education Commission (HEC) Pakistan at HEC Secretariat, Islamabad on November 1, 2017.
35. Participated in a Two-Day Festival to Celebrate and Reflect upon the Cultural Heritage of Pakistan through Panel Discussion, Academic Paper Presentations, Exhibitions, Crafts and Performances, held on October 20, 2017 at Alhamra Arts Council, Lahore.
36. Participated in the International Conference on Mining and Fuel Industries (CMFI-2017) held at the Sheikh Zayed Islamic Research Centre, Karachi, from October 19-21, 2017.
37. Participated and presided over the session in the Training Session on Persistent Organic Pollutants (POPs) Participant Group-3 (Academia) held on September 13, 2017 organized by the Ministry of Climate Change, Govt. of Pakistan at Hospitality Inn, Lahore
38. Participated in National workshop on Inventory of Initial and New Persistent Organic Pollutants (POPs) in Pakistan held August 31, 2017 organized by Ministry of Climate Change, Govt. of Pakistan at Hospitality Inn, Lahore.
39. Participated in the International Seminar on Prospects of Agricultural Research (Current & Future) held on August 23, 2017 at the Institute of Agriculture Sciences, University of the Punjab, Lahore
40. Participated in the International Conference on Significance of Potash use in Pakistani Agriculture, held from October 24-25, 2016 at Institute of Agricultural Sciences (IAGS), P.U., Lahore

41. Participated as guest speaker in a seminar on “GIS Spectrum / GIS Application in Social Sciences”, held on October 19, 2016 at F.C. College, Lahore.
42. Participated in the International Training course on Satellite Altimetry and Hydrological Applications, held on September 26-29, 2016 at National Centre for Remote Sensing & Geo-Informatics Institute of Space technology, Karachi.
43. Participated in the “One Day Workshop on Gemology & Modern Techniques of Lapidary & to Celebrate International Earth Day” held on April 21, 2016 at Pakistan Museum of Natural History, Islamabad.
44. Participated as Punjab University Authorize Representative for the World Forum of Universities of Resources on Sustainability (WFURS) to be held on September 28-30, 2015 in Saint Petersburg Mining University, Russia
45. Participated in one day workshop on Dengue Management, held on December 21, 2015 organized by the Institute of Agricultural Sciences in collaboration with the Higher Education Commission (HEC), Islamabad.
46. Participated in one day workshop on Environmental and Social System Assessment (ESSA) under job & Competitiveness (J&C) Program for Results (RforR) held on December 8, 2015 organized by the Planning & Development Department Punjab Resource Management Program, Govt. of the Punjab, Lahore in collaboration with World Bank.
47. Participated in the 37<sup>th</sup> All Pakistan Science Conference, held from November 16-17, 2015 organized by the Pakistan Council of Scientific and Industrial Research (PCSIR) Labs, Lahore.
48. Participated in a meeting regarding “Orientation on Climate Change Policy Framework” organized by Punjab Municipal Development Fund Company (PMDFC) on October 2, 2015.
49. Participant in 1<sup>st</sup> International Conference on GLOBAL ENVIRONMENTAL CHANGES, January 15-16, 2013, Faisalabad, organized by Department of Environmental Sciences, Government College University Faisalabad Pakistan.
50. Participant in International workshop on ADAPTATION TO NATURAL HAZARDS IN CHANGING GLOBAL CLIMATE SCENAARIO, September 25-27, 2012, Islamabad, organized by COMSTECH in collaboration with National Center of Excellence in Geology, University of Peshawar, Pakistan.
51. Participant in EARTH SCIENCES PAKISTAN 2012, June 23-24, 2012, Baragali Summer Campus, organized by National Center of Excellence in Geology, University of Peshawar, Pakistan.
52. Participant in ESRI CANADA USER CONFERENCE “ARCGIS 10” Oct 6-7, 2010, Toronto, Canada.
53. Participant in 57<sup>th</sup> SEMI-ANNUAL NATIONAL GENERAL MEETING of Canadian Federation of Students (CFS), May 21-25, 2010 in Ottawa University, Ottawa, Canada.
54. Participant in Fourth Annual Conference on Teaching and Learning on STUDENT ENGAGEMENT, May 19-20, 2010 organized by Oakland University USA.
55. Participant in a workshop on LEADERSHIP IN TEACHING FOR GA’S, TA’S, AND SESSIONAL INSTRUCTORS, March 26, 2010 organized by Centre for Teaching and Learning , University of Windsor, Canada.

56. Participant in a workshop on DOING QUANTITATIVE RESEARCH IN TEACHING AND LEARNING, February 23, 2010 organized by Centre for Teaching and Learning , University of Windsor, Canada.
57. Participant in a workshop on LEADERSHIP FOR EXCELLENCE IN TEACHING AND LEARNING: AN INTRODUCTION TO EDUCATIONAL LEADERSHIP, February 22, 2010 organized by Centre for Teaching and Learning, University of Windsor, Canada.
58. Participant in 2010 OARS (ONTARIO ASSOCIATION OF REMOTE SENSING) MEETING, February 17, 2010 in Toronto, Ontario, Canada.
59. Participant in a workshop on THE POWER OF FIRST IMPRESSIONS, August 25, 2009 organized by Centre for Teaching and Learning , University of Windsor, Canada.
60. Participant in 2009 ANNUAL GENERAL MEETING of Canadian Federation of Students-Ontario (CFS-O), August 13-16, 2009 in Markham, Ontario, Canada.
61. Participant in 2<sup>nd</sup> INTERNATIONAL MULTI-CONFERENCE ON ENGINEERING AND TECHNOLOGICAL INNOVATION: CITSA 2009, July 10 - 13, 2009 in Orlando, Florida, USA.
62. Participant in 5<sup>TH</sup> WORLD ENVIRONMENT EDUCATION CONGRESS, May 10-14, 2009 in Montréal, Canada.
63. Participant in BE SPATIAL 09, URISAOC (Urban & Regional Information Systems Association Ontario Chapter) 5<sup>th</sup> May, 2009 in Toronto, Canada.
64. Participant in 2009 SEMI-ANNUAL GENERAL MEETING of Canadian Federation of Students-Ontario (CFS-O), January 22-25, 2009 in Markham, Ontario, Canada.
65. Participant in a workshop on EARLY CAREER, NEW FACULTY SUCCESS, December 01, 2008 organized by Centre for Teaching and Learning , University of Windsor, Canada.
66. Participant in a workshop on AVOIDING POWER POINT KARAOKE, November 24, 2008 organized by Centre for Teaching and Learning , University of Windsor, Canada.
67. Participant in CAGS 2008 (Canadian Association of Graduate Studies) conference, October 15-19, 2008, Edmonton, Alberta, Canada.
68. Participant in CAGS 2007 (Canadian Association of Graduate Studies) conference, October 17-20, 2007 in Moncton, New Brunswick, Canada.
69. Participant in 52<sup>nd</sup> SEMI-ANNUAL NATIONAL GENERAL MEETING of Canadian Federation of Students (CFS), May 24-27, 2007 in Carleton University, Ottawa, Canada.
70. Participant in 25<sup>th</sup> ANNUAL NATIONAL GENERAL MEETING of Canadian Federation of Students (CFS) November 22-26, 2006 in Ottawa, Canada.
71. Participant of 7<sup>th</sup> ANNUAL GENERAL MEETING of Graduate Student Society, University Of Windsor, February 15, 2007 in Windsor, Ontario, Canada.
72. Participant in LITTORAL 2006, September 18-20, 2006 in Gdansk, Poland.
73. Participant in 5<sup>th</sup> INTERNATIONAL CONFERENCE ON ENVIRONMENTAL INFORMATICS, INTERNATIONAL SOCIETY FOR ENVIRONMENTAL



- INFORMATION SCIENCES, August 1-3, 2006 in Bowling Green, Kentucky, United States.
74. Participant in CAGONT 2004 (Canadian association of Geographers-Ontario Division), October 29-30, 2004 at University of Waterloo, Ontario, Canada.
  75. Diploma in SPOKEN ENGLISH, June 2002-July 2002 at University of the Punjab, Lahore, Pakistan.
  76. Participant in training course on APPLICATION OF SATELLITE REMOTE SENSING/GIS TECHNIQUES FOR RESOURCES AND ENVIRONMENTAL MANAGEMENT from 8-12 October, 2001 at Islamabad organized by Space and Upper Atmosphere Research Commission Pakistan (SUPARCO).
  77. Participant in training course on APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM IN WATER RESOURCES from 6-12 August 2001 organized by Center of Excellence for water resource engineering University of Engineering and Technology, Lahore, Pakistan.
  78. Participant in training course on INFORMATION TECHNOLOGY IN HIGHER EDUCATION, FACULTY DEVELOPMENT PROGRAM-SUMMER 2000 from 17 July, 2000 to 23 July, 2000 organized by The Department of Public Administration, University of The Punjab, Lahore, Pakistan.
  79. Participant in workshop on PROVINCIAL WORKSHOP ON ENVIRONMENT AWARENESS AND SOLID WASTE MANAGEMENT from MAY 31<sup>st</sup> to JUNE 2<sup>nd</sup> 2000 in Lahore Organized by Centre for Integrated Mountain Research (CIMR) and Bunyad Literacy Community Council Lahore (BLCC), Pakistan.
  80. Participant in One day workshop on ROLE OF GEOLOGY IN ENVIRONMENT AND URBAN PLANNING with special reference to Islamabad on May 18, 2000 in Islamabad Organized by Pakistan Academy of Geological Sciences and Geological Survey Of Pakistan.
  81. Participant in One day workshop on INTERNET AND ITS ROLE AS A TOOL FOR RESEARCHER on January 15, 2000 in Lahore Organized by Department of Applied Psychology, University of the Punjab, Lahore, Pakistan.
  82. Participant in 27<sup>th</sup> Post-Graduate Training Course on NUCLEAR and OTHER ADVANCE TECHNIQUES IN AGRICULTURAL and BIOLOGICAL RESEARCH from 8 to 19 November 1999 in Faisalabad organized by Nuclear Institute for Agriculture and Biology (NIAB) Faisalabad, Pakistan.
  83. Participant in national training course on THE WASTE MANAGEMENT SYSTEMS from December 17-23, 1998 in Lahore organized by The Institute of Geology, Punjab University Lahore in collaboration with Ministry of Labour, Manpower and Overseas Pakistanis and UNDP under TOKTEN Programme.
  84. Participant in SPECIAL TRAINING IN BITUMEN and BITUMENOUS MATERIALS from 14 to 18 December, 1998 in Lahore organized by Govt. of Punjab, Highway Dept., Road Research and Material Testing Institute, Lahore, Pakistan.
  85. Participant in a national training course on PETROLEUM GEOCHEMISTRY from December 2-9, 1997 in Lahore organized by University of OSLO, Norway and Punjab University Lahore, Pakistan.



86. Participant in a national training course on INTRODUCTION TO CARBONATE PETROLOGY AND ITS MODERN TRENDS from August 28 to September 12, 1997 in Lahore organized by University of Erlangen, Germany and Punjab University Lahore, Pakistan.
87. Participant in a training workshop on ENVIRONMENTAL PERCEPTION from April 24-25, 1997 in Lahore organized by Centre for Integrated Mountain Research (CMR) Lahore, Pakistan.
88. Participant in a training course on GROUND WATER GEOLOGY AND POTABLE WATER SUPPLY TO RURAL AREAS from October 6-10, 1996 in Peshawar organized by SEGMITE, Pakistan.
89. Participant in a certificate course on AN INTRODUCTION TO HYDROLOGY from May 30 to June 4, 1992 in Lahore awarded by the Punjab Geological Society, Lahore, Pakistan.