




## MEMBER PROFILE

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<b>Study areas</b>	
Countries / Regions	Bangladesh, China / Dhaka, Kushtia, Sanxi, Datong Basin

<b>Topics of last three projects</b>	
1	National Ministry of Environmental Protection Project
2	China Geological Survey Project (Project No.: 2008040028)
3	Biogeochemical behaviour of arsenic in shallow pore groundwater environment

	<b><u>Topics of last 10 publications</u></b>	<b><u>Publication links</u></b>
1	Distribution and hydrogeochemical behavior of arsenic enriched groundwater in the sedimentary aquifers Comparison between Datong Basin, China and Kushtia District, Bangladesh	<a href="https://link.springer.com/article/10.1007/s11356-018-1756-1">https://link.springer.com/article/10.1007/s11356-018-1756-1</a>
2	Arsenic enrichment and mobilization in the Holocene alluvial aquifers of Prayagpur of Southwestern Bangladesh	<a href="https://www.sciencedirect.com/science/article/pii/S0964830518300714">https://www.sciencedirect.com/science/article/pii/S0964830518300714</a>
3	Analyzing Vulnerability to Flood Hazard of Urban People: Evidences from Dhaka Megacity, Bangladesh	<a href="http://cafetinnova.org/journalView/IJEE.htm#issuePublishedList">http://cafetinnova.org/journalView/IJEE.htm#issuePublishedList</a>
4	Sources and Controls for Elevated Arsenic Concentrations in Groundwater of Datong Basin, Northern China	<a href="https://link.springer.com/article/10.1007/s12665-016-5359-1">https://link.springer.com/article/10.1007/s12665-016-5359-1</a>
5	Vulnerability Framework for Flood Disaster Management	<a href="http://www.ru.ac.bd/geography/journal/">http://www.ru.ac.bd/geography/journal/</a>
6	Flood Hazard, Vulnerability and Adaptation of Slum Dwellers in Dhaka	<a href="https://www.lap-publishing.com/">https://www.lap-publishing.com/</a>
7	Flood Hazard and Vulnerability of Slum Dwellers in Dhaka	<a href="http://www.stamforduniversity.edu.bd/">http://www.stamforduniversity.edu.bd/</a>
8	High arsenic contamination and the presence of other trace metals in the drinking water of Kushtia district, Bangladesh	<a href="https://www.journals.elsevier.com/journal-of-environmental-management/">https://www.journals.elsevier.com/journal-of-environmental-management/</a>
9	Dose response relation between <i>Purpureocillium lilacinum</i> PLSAU-1 and <i>Meloidogyne incognita</i> infecting brinjal plant on plant growth and nematode's management, a greenhouse study	<a href="https://ejbpc.springeropen.com/">https://ejbpc.springeropen.com/</a>
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## Research interests in water

<b>Climate &amp; Water</b>	Water in arid areas	Arctic water	Water cycle	Atmospheric water	Glaciers & Cryosphere					
<b>Hydrological extreme events</b>	Floods	Droughts	Ice phenomena							
<b>Water flow</b>	Catchment processes	Run-off generation	Groundwater-Surface water interactions	Hyporheic processes	Interstitial water	Porewater	Alluvial water			
<b>Surface water</b>	Limnology	Fluvial dynamics	Continental scale processes	Dams / Reservoirs	Sediments	Rivers	Floodplains			
<b>Ground water</b>	Soil water	Karst water	Hydrogeology	Recharge	Granite karst					
<b>Marine Environment</b>	Coastal waters	Estuarian waters								
<b>Aquatic habitats/ Ecosystems</b>	Wetlands	Lakes	Peatlands	Rivers						
<b>Water availability</b>	Water utility	Water storage	Dams / Reservoirs	Water scarcity	Supply & Distribution	Water allocation	Water restrictions			
<b>Modelling and GIS</b>	Hydro GIS	Groundwater modelling	Surface water modelling	Remote sensing						
<b>Water quality</b>	Pollution	Purification	Hydrochemistry	Treatment	Desalination	Waste water	Sewage			
<b>Water &amp; Health</b>	Water & Sanitation	Water & Food	Waterborne diseases	Drinking water	Water purification					
<b>Water &amp; Energy</b>	Water-Energy nexus	Water for energy	Energy for water	Water, Food & Energy						
<b>Water management/ policy</b>	Integrated Catchment management	Integrated water resource management	Water loss	Reticulation & Supply	Transboundary water					
<b>Water use</b>	Urban	Agricultural	Mine water	Industrial	Grey water	Green water	Blue water	Return water	Water sustainability	Competing water use
<b>Water Law &amp; Economics</b>	Water trade	Virtual water	Privatisation	Water as public good	Right to water	Bills & Laws	Affordability			
<b>Socio-political aspects</b>	Water history	Water wars	Water & Poverty	Access to water						