




MEMBER PROFILE

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Study areas	
Countries / Regions	Slovakia / Eastern Slovakia

Topics of last three projects	
1	Floods and Droughts
2	Environmental Impacts
3	Climate Change

	<u>Topics of last 10 publications</u>	<u>Publication links</u>
1	Methodology for Environmental Assessment of Proposed Activity Using Risk Analysis	https://www.sciencedirect.com/science/article/pii/S0195925518304049
2	Flood risk modelling of the Slatvinec stream in Kružlov village, Slovakia	https://www.sciencedirect.com/science/article/pii/S0959652618337107
3	Comprehensive study of the percolation of water from surface runoff with an emphasis on the retention capacity and intensity of precipitation	https://iwaponline.com/wst/article-abstract/79/12/2407/68889/Comprehensive-study-of-the-percolation-of-water?redirectedFrom=fulltext
4	Modelling of Erosion and Transport Processes	https://www.mdpi.com/2073-4441/11/12/2604
5	Spatio-temporal variations in water quality parameter trends in river waters	https://www.revistadechimie.ro/Articles.asp?ID=6659
6	Trends in Precipitation and Temperatures in Eastern Slovakia (1962-2014)	https://www.mdpi.com/2073-4441/10/6/727
7	Dynamic Analysis of Meteorological Parameters in Košice Climatic Station in Slovakia	https://www.mdpi.com/2073-4441/10/6/702
8	Determination of the potential economic flood damages in Medzev, Slovakia	https://onlinelibrary.wiley.com/doi/epdf/10.1111/jfr3.12298?purchase_site_license=LICENSE_DENIED&show_checkout=1&r3_referer=wol&purchase_referrer=www.google.sk&tracking_action=previous_click
9	Precipitation trends detection as a tool for integrated water resources management in Slovakia	https://www.deswater.com/DWT_abstracts/vol_99/99_2017_83.pdf
10	Mitigation of the adverse consequences of floods for human life, infrastructure, and the environment	https://ascelibrary.org/doi/10.1061/%28ASCE%29NH.1527-6996.0000255

Research interests in water

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