




MEMBER PROFILE

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Study areas	
Countries / Regions	Romania / South-West and Bucharest

Topics of last three projects	
1	Hydro-sedimentary dynamics in the Jiu River Basin. Systemic and multiscale approach
2	Methodological approaches for the analysis of the anthropic impacts on the hydro-morphological state of the rivers
3	Study on environmental quality and natural hazards in the Romanian Danube Valley

	<u>Topics of last 10 publications</u>	<u>Publication links</u>
1	Hydrological field experiments at micro-scale in Romania	https://www.degruyter.com/view/j/geo.2016.8.issue-1/geo-2016-0015/geo-2016-0015.xml
2	Recent dynamics (1975 - 2012) of Coșuștea River's suspended sediment load at Corcova hydrometric station	http://aerapa.conference.ubbcluj.ro/2016/pdf/36_Morosanu_282_289.pdf
3	The dynamics of the minor riverbed of Teslui River in relation to the human factor (1910-2008) – Case study: Reșca – Fărcașele de Jos sector RELATION TO THE HUMAN FACTOR (1910-2008) - CASE STUDY: REȘCA - FĂRCAȘELE DE JOS SECTOR	https://doaj.org/article/4b73def945a046d2bff9646df4857276
4	The relationship between flow rates and land use at plot scale in the Voinești experimental basin (Romania)	http://landreclamationjournal.usamv.ro/pdf/2015/vol.IV/Art15.pdf
5	Using a multi-criteria analysis to identify rivers with hydromorphological restoration priority: Braided rivers in the south-eastern Subcarpathians (Romania)	https://www.researchgate.net/publication/316785733_Using_a_multi-criteria_analysis_to_identify_rivers_with_hydromorphological_restoration_priority_Braided_rivers_in_the_south-eastern_Subcarpathians_Romania
6	Les Systèmes Nationaux d'Information d'Eau dans la région sud-ouest de la mer Noire	https://www.researchgate.net/publication/274256306_Les_Systemes_Nationaux_d'Information_d'Eau_dans_la_region_sud-ouest_de_la_mer_Noire
7	Assessing the maximum discharge in Coșuștea hydrographic basin with GIS techniques. A comparative analysis: SCS - CN method vs. Topographic Wetness Index	https://fsu.valahia.ro/images/avutgs/1/2014/2014140203.pdf
8	A statistical and hydrological analysis of the maximum flow in the Terpezița river drainage basin	http://riscurisicatastrofe.reviste.ubbcluj.ro/Volume/XIV_Nr_16_1_2015/PDF/8_Morosanu_Velcu_101_113.pdf
9	Research of water balance at hydrological micro-scale in the Aldeni experimental basin (Romania)	http://forumgeografic.ro/2015/1867/
10	Methodology to identify the leading factors of rivers' electrical conductivity. Case study: Jiu catchment, Romania	https://www.researchgate.net/profile/Gabriela_Ioana-Toroimac/publication/318851178_Methodology_to_identify_the_leading_factors_of_rivers%27_electrical_conductivity_Case_study_Jiu_catchment_Romania/links/59817324aca2728abee689ad/Methodology-to-identify-the

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						