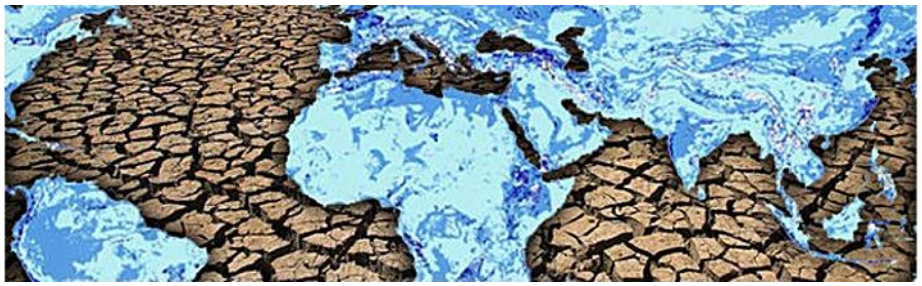
Commission for Water Sustainability



MEMBER PROFILE

Prof. Liliana Zaharia

Country: **Romania**

Affiliation: **University of Bucharest – Faculty of Georgraphy**

Contact Details	
E-Mail Address:	zaharialili@hotmail.com ; zaharialil@yahoo.com
Website	http://www.unibuc.ro/n/admn/prof/edit.php
Tel nr.	40-21-305 38 22
Fax nr.	40-21- 315 30 74
Physical address	Otopeni, Calea Bucurestilor nr. 12 A, 075100, Jud. Ilfov, Romania
Postal address	-
Skype name	-

Study areas	
Countries / Regions	Romania

Topics of last three projects	
1	Methodological approaches for analysing the impacts of the anthropogenic pressures on the hydro-morphological state of rivers.
2	The vulnerability of communities and of the environment to floods in Romania in the context of global environmental changes.
3	Climate changes and hydrological impacts in the Romanian Carpathians.

Topics of last 10 publications		**Publication links**
1	Remus Pravălie, Liliana Zaharia, Georgeta Bandoc, Alexandru Petrişor, Oana Ionuş, Iulian Mitof, 2016, Hydroclimatic dynamics in southwestern Romania drylands over the past 50 years, Journal of Earth System Science, 125 (6), 1255–1271.	http://link.springer.com/article/10.1007/s12040-016-0730-x1
2	Sorina-Mihaela Bogdan, Ileana Pătru-Stupariu, Liliana Zaharia, 2016, The assessment of regulatory ecosystem services: the case of the sediment retention service in a mountain landscape in the Southern Romanian Carpathians, Procedia Environmental Sciences.	http://ac.els-cdn.com/S1878029616001341/1-s2.0-S1878029616001341-main.pdf?_tid=8c5e4fb2-14f8-11e6-8b6d-00000aab0f27&acdnat=1462697022_03a760ee08758fa373fcb60fe82e187c 2
3	Florentina-Iuliana Stan, Gianina Neculau, Liliana Zaharia, Gabriela Ioana- Toroimac, Sorin Mihalache, 2016, Study on the evaporation and evapotranspiration measured on the Căldăruşani Lake (Romania), Procedia Environmental Sciences, 32, 281-2893.	http://ac.els-cdn.com/S1878029616001687/1-s2.0-S1878029616001687-main.pdf?_tid=43129db8-14f8-11e6-a0bf-00000aab0f02&acdnat=1462696899_89416c9df545fd74902c20e455d103123
4	Mereţ R., Zaharia L., 2016, Mineral waters in Rupea City. Phyzicochemical Features and Use, vol. Air and Water Components of the Environment Conference, Cluj- Napoca, E. Casa Cărţii de Ştiinţă, pag. 328-337.	http://aerapa.conference.ubbcluj.ro/
5	Zaharia L., Costache R., Prăvalie R., Minea G., 2015, Assessment and mapping of flood potential in the Slănic catchment in Romania, Journal of Earth System Science, Volume 124, Issue 6, 1311-1324 4.	http://link.springer.com/article/10.1007/s12040-015-0608-34
6	Florence Salit, Gilles Arnaud-Fassetta, Liliana Zaharia, Malika Madelin, Gérard Beltrando, 2015, The influence of river training on channel changes during the 20th century in the Lower Siret River (Romania), Géomorphologie: relief, processus, environnement.	http://geomorphologie.revues.org/110025
7	Gabriela Ioana-Toroimac, Liliana Zaharia, Gabriel Minea, 2015, Using Pressure and Alteration Indicators to Assess River Morphological Quality: Case Study of the Prahova River (Romania), Water 7(6), 2971-2989.	http://www.mdpi.com/2073-4441/7/6/2971
8	Zaharia L., Ioana-Toroimac G., Costache R., Crăciun E., 2015, The flood potential and measures for flood risk mitigation in Tecuci City, vol. Air and Water Components of the Environment Conference, Cluj-Napoca, E. Casa Cărţii de Ştiinţă, pag. 56-63.	http://aerapa.conference.ubbcluj.ro/
9	Tănase I., Zaharia L., 2015, Impact of the reservoirs on the river low flow and measures to mitigate the negative effects, vol. Air and Water Components of the Environment Conference, Cluj- Napoca, E. Casa Cărţii de Ştiinţă, pag. 332-339.	http://aerapa.conference.ubbcluj.ro/7
10	Birsan M.V., Zaharia L., Chendeş V., Brănescu E., 2014, Seasonal trends in Romanian streamflow. Hydrological Processes 28: 4496-4505.	http://onlinelibrary.wiley.com/doi/10.1002/hyp.9961/abstract

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						