

Title	Dr
Given name	Michael Soakodan
Surname (family name)	Aduah
Sex	male
E-mail address	msaduah@umat.edu.gh/ aduahbu@gmail.com

Affiliation	
Position	Senior Lecturer
Institute/ department	Department of Geomatic Engineering, University of Mines and Technology
Country	Ghana
Tel nr.	00233 249 447799
Fax nr.	Fax nr.
Physical address	Department of Geomatic Engineering, University of Mines and Technology
Postal address	BOX 237
Skype name	Skype name
Website	www.umat.edu.gh

Study areas	
Countries	Ghana and Zambia
Region	West Africa and Southern Africa

Topics of last three projects	
1	Assessing potential impacts of land use and climate changes on river ecology of a forested catchment
2	Assessing combined impacts of land use and climate changes on forest hydrology in southern Ghana
3	Assessing impacts of land use changes on hydrology of a forest catchment in Ghana

Envisioned activities in Commission	
attend/ organise meetings	✓
contribute to publications	✓
read newsletter	✓
joint research, collaboration	✓
Other (please specify)	

Photo of yourself you would like to see on the Commission's website



Research interests in water (select maximum 10)							
Climate & Water	Hydrological extreme events	Water flow	Surface water	Ground water	Marine Environment	Aquatic habitats/ Ecosystems	Water availability
Water in arid areas	Floods ✓	Catchment processes ✓	Limnology	Soil water	Coastal waters	Wetlands ✓	Water utility
Arctic water	Droughts	Run-off generation ✓	Fluvial dynamics	Karst water	Estuarian waters	Lakes	Water storage
Water cycle	Ice phenomena	Groundwater-Surface water interactions	Continental scale processes	Hydrogeology		Peatlands	Dams / Reservoirs
Atmospheric water		Hyporheic processes	Dams / Reservoirs	Recharge		Rivers	Water scarcity
Glaciers & Cryosphere		Interstitial water	Sediments				Supply & Distribution
		Porwater	Rivers				Water allocation
		Alluvial water	Floodplains ✓				Water restrictions

Modelling and GIS	Water quality	Water & Health	Water & Energy	Water management/ policy	Water use	Water Law & Economics	Socio-political aspects
Hydro GIS ✓	Pollution	Water & Sanitation	Water-Energy nexus	Integrated Catchment management ✓	Urban	Water trade	Water history
Groundwater modelling	Purification	Water & Food	Water for energy	Integrated water resource management	Agricultural	Virtual water	Water wars
Surface water modelling ✓	Hydrochemistry	Waterborne diseases	Energy for water	Water loss	Mine water	Privatisation	Water & Poverty
Remote sensing ✓	Treatment	Drinking water	Water, Food & Energy	Reticulation & Supply	Industrial	Water as public good	Access to water
	Desalination	Water purification		Transboundary water	Grey water	Right to water	
	Waste water				Green water	Bills & Laws	
	Sewage				Blue water	Affordability	
					Return water		
					Water sustainability		
					Competing water use		

Other (please specify)	land cover mapping and modelling
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Research interests in water (supply 5 keywords)	evapotranspiration	run-off generation	land use and water	floods	remote sensing of water
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Topics of last 10 publications	
1	Estimating Scenario-based Impacts of Climate and Land Use Changes on Potential River Ecology of a Rainforest Catchment in Ghana, West Africa
2	Assessing Impacts of Land Use Changes on the Hydrology of a Lowland Rainforest Catchment in Ghana, West Africa
3	Assessing suitability of the ACRU hydrological model in a rainforest catchment in Ghana, West Africa
4	Scenario-based Impacts of Land Use and Climate Changes on the Hydrology of a Forested Catchment in Ghana, West Africa
5	Comparison of Object-Based Classifiers and Traditional Pixel-Based Classification Techniques using Landsat Imagery
6	Determination of Soil Erosion Vulnerability in the Lafa Basin of Ghana using RUSLE and GIS
7	Estimating potential future land use in the Bonsa catchment, Ghana, West Africa
8	Modelling Potential Future Urban Land Use Changes in the Sekondi-Takoradi Metropolitan Area, Ghana
9	Assessment of Positional Accuracies of UAV-Based Coordinates Derived from Orthophotos at Varying Times of the Day
10	Analysis of Land Cover Changes in the Bonsa Catchment, Ankobra Basin, Ghana

Publication links	
1	http://www2.umat.edu.gh/git/index.php/git/article/view/267
2	https://www.mdpi.com/2073-4441/10/1/9
3	https://www.sciencedirect.com/science/article/pii/S110492916301242
4	https://www.liert.org/scenario-based-impacts-of-land-use-and-climate-changes-on-the-hydrology-of-a-forested-catchment-in-ghana
5	http://www2.umat.edu.gh/git/index.php/git/article/view/31970
6	https://www.liert.org/determination-of-soil-erosion-vulnerability-in-the-lafa-basin-of-ghana-using-rusle-and-gis
7	http://www.saig.org.za/index.php/saig/article/view/594
8	http://www2.umat.edu.gh/git/index.php/git/article/view/26670
9	https://www.saig.org.za/index.php/saig/article/viewFile/789/404
10	http://www.aloki.hu/pdf/1304_935955.pdf