



MICHAEL ELIAS MGALULA

Dr. Sc. Agr. Spatial Approaches in Rangelands Management
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PERSONAL DATA

DATE OF BIRTH	31 May 1980
PLACE OF BIRTH	Tabora, Tanzania
LANGUAGES	Fluent in Swahili and English languages and basic in German language
MARITAL STATUS	Married
NATIONALITY	Tanzanian
EDUCATION	Bachelor of Art with Education, Geography B.A, 2002 to 2006, University of Dar es Salaam, Tanzania.

GRADUATE TRAINING

MSc. Natural Resources Assessment and Management, 2006 to 2008, University of Dar es Salaam, Tanzania
Dr. Sc. Agr, University of Kassel, Witzenhausen, Germany, Cumulative thesis: Assessing trends in land use change in the Borana rangeland Ethiopia as one cause of greenhouse gas emissions and carbon sequestration variations, www.kobra.bibliothek.uni-kassel.de

WORK EXPERIENCE Lecturer and researcher, Mkwawa University, a Constituent College of the University of Dar es Salaam, Tanzania.
Responsibilities are teaching, supervising undergraduate student's projects, provision of outreach services and consultancy.

RESEARCH SKILLS Geo-spatial analysis using geographic information system and remote sensing. Biodiversity conservation and peoples' livelihoods.
Transdisciplinary and participatory research approaches in natural resources management.
Basic skills in soil science, plant biomass estimation in ecosystems, microbial biomass, soil gas emissions measurements using Gas Chromatography and irrigation techniques.

RESEARCH PROJECTS

Ongoing project on land use and land cover changes along the great Ruaha River and its catchments (2017/2018). Investigating opportunities for enhancing sustainable land use options to small farmers along the catchments.

CarbonQuest: Livelihood diversifying potential of livestock based carbon sequestration options in pastoral and agro-pastoral systems in Africa funded by BMZ (2011 to 2014). Land use and land cover change and carbon sink potentials

in arid and semi-arid rangeland of Borana in Southern Ethiopia, a part of my PhD research.

COORDINATION

Wetland resource use and management, little Ruaha river Iringa, Tanzania 2009
Head department of Geography, MUCE, Iringa, Tanzania from 2009 to 2010
Regional coordinator for bachelor students training practices, University of Dar es Salaam, Tanzania, 2010.

DATA ANALYSIS TOOLS & SKILLS

Competent with geospatial analysis i.e. ArcGIS, QGIS, and MonteVerdi packages
Competent with statistical analysis i.e. QED, SPSS.

PUBLICATION

Michael Elias, Uwe Richter, Oliver Hensel, Christian Hülsebusch, Brigitte Kaufmann & Oliver Wasonga: Land Conversion Dynamics in the Borana Rangelands of Southern Ethiopia: An Integrated Assessment Using Remote Sensing Techniques and Field Survey Data. *Environments* **2015**, 2, 1-31; [doi:10.3390/environments2010001](https://doi.org/10.3390/environments2010001), including a correction *Environments* **2015**, 2(3), 385-387; [doi:10.3390/environments2030385](https://doi.org/10.3390/environments2030385)

ABSTRACT AND PAPER CONTRIBUTION IN INTERNATIONAL CONFERENCES

Tropentag Conference 2013 Stuttgart, Germany, 2014 Prague, Czech Republic.
ArcGIS user conference, San Diego, USA, 2014.
Global Land Project Taipei, Taiwan, 2014.
Global Research Symposium, Brindisi, Italy, 2014.
Tropentag Conference 2017 Bonn, Germany.
1st Annual International Conference 2018, Machakos University, Kenya.

INTERNATIONAL RESEARCH GROUP

Global Land Programme Working Group on Co-Production of Sustainable Land Systems, University of Bern, Centre for Development and Environment.
<https://glp.earth/find-scientist>

AWARD

Prize for researching in the field of Global Change, endorsed by the University of Bari Aldo Moro during Global Change Research Symposium, Brindisi, Italy, September 18, 2014.

INVITED REVIEWER

Journal of Ecological Processes (Springer 2017).

REFEREES

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