

## **Dr. Michael Elias Mgalula**

Michael Elias Mgalula is a lecturer and researcher at Mkwawa University College of Education. He teaches Soil Resources and Geographic Information System courses in the Department of Geography and Economics. He graduated a Doctor of Agricultural Sciences (Dr. Agr.) from the University of Kassel in Witzenhausen, Germany in June 2016. His doctorate focused on land use change, greenhouse gas emissions and carbon sequestration variations in the Borana rangeland Ethiopia. He obtained MSc in Natural Resource Assessment and Management (MSc. NARAM) in 2008 and a Bachelor degree (B.A Education) in 2006 from the University of Dar es Salaam, Tanzania. His research interest includes; land use and management systems in rangeland ecosystems, landscape ecology and carbon sequestration. He is interested with trans-disciplinary approaches, statistical modeling and applications of GIS and remote sensing in analysing land systems. Michael has experience in working in arid and semi-arid rangelands of Eastern Africa.

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### **Areas of specialization:**

Spatial Approaches in Rangelands Management, forest ecosystem and livelihoods and agriculture practices.

### **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.  
1<sup>st</sup> 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.