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Prof. Abiud Kaswamila

University of Dodoma, Tanzania

Dr. Abiud Lucas Kaswamila is a land use planner cum environmentalist. He obtained his undergraduate Degree at the University of Dar es Salaam. He finished his Master's Degree in the Netherlands and his PhD in the UK. For 30 years he has worked as an Agricultural Extension Officer, Agricultural Researcher and a Don. Between 1978 and 1990 he worked as Serengeti District Land Use Planner (Mara Region) and later as Kagera Region Land Use Planner. From 1991 to 2000 he worked as a Senior Research Officer at Mlingano Agricultural Research Institute, Tanga. In 2000, Dr. Kaswamila joined the College of African Wildlife Management – Mweka as a Senior Lecturer and Head of Research and Consultancy before joining the University of Dodoma in 2008. Dr. Kaswamila has vast experience in protected areas bio-network land use planning, community conservation and conflict management and has published widely in areas of agriculture, poverty and livelihood and in community conservation. Currently Dr. Kaswamila is the head of the department of Geography and Environmental Studies at the University of Dodoma.

Fields of Research

- [Physical Sciences, Engineering and Technology](#) » [Engineering](#) » [Environmental Engineering](#)

Experience

- 2008 - current

[University of Dodoma](#)

Head of the department of Geography and Environmental Studies

Education

- 1973 – 1975

Tarime, Tarime

- 1993 - 1995

Geonformatics, ITC, Enchede

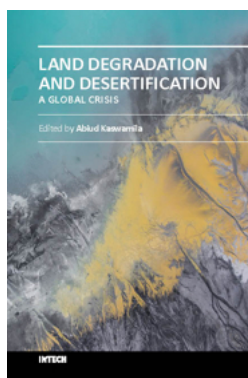
Environment

- 2003 – 2006

Social Sciences, The University of Dodoma, Dodoma

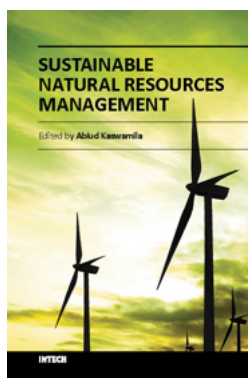
Geography & Environmental Studies

Edited Books



[Land Degradation and Desertification - a Global Crisis](#)

Land degradation which is caused by multiple forces-extreme weather conditions and anthropogenic activities that pollute or degrade the quality of soils and land utility-negatively affects food production, livelihoods, and the provision of other ecosystem goods and services. Land degradation can also lead to climate change and affect human health. The problem is more pronounced in least developing countries due to overdependence of natural resources for survival. Sustainable ways to reduce land degradation and desertification demand research and advocacy of sustainable land management practices. This book is organized into two sections. The first section covers three major aspects, viz., an understanding of patterns of land degradation and desertification for developing mitigation strategies, land-atmosphere interaction from response of land cover to climate change effects of Karst rocky desertification, and the effect of unprecedented human activity into land degradation and desertification processes using natural and human-induced landscape research. The last section dwells on the relationship between soil degradation and crop production and an examination on how land degradation impacts the quality of soil in communal rangelands. Environmentalists, land-use planners, ecologists, pedologists, researchers, and graduate students will find this book to be an essential resource.



[Sustainable Natural Resources Management](#)

Natural resources conservation is one of the dilemmas currently facing mankind in both developed and the developing world. The topic is of particular importance for the latter, where the majority depend on terrestrial ecosystems for livelihood; more than one billion people live in abject poverty earning less than a dollar per day; more than 3.7 billion suffer from micronutrient deficiency and more than 800 million suffer from chronic hunger. Population increase, resource use conflicts, technological advancements, climate change, political doldrums, and unsustainable use and harvesting of resources have all put more pressure on natural resources leading to land degradation and poverty. To achieve a win-win situation, we need to change our mindset by thinking outside the box through advocating integrated and holistic approaches in managing our natural resources. This book presents a variety of sustainable strategies and/or approaches including use of GIS and Remote Sensing technologies, decision support system models, involvement of stakeholders in major decisions regarding use of natural resources, community level initiatives, and use of surveillance and monitoring mechanisms.

Publications

- Book Chapter [An Analysis of the Contribution of Community Wildlife Management Areas on Livelihood in Tanzania](#) by Abiud Kaswamila in the book "[Sustainable Natural Resources Management](#)" edited by Abiud Kaswamila, ISBN 978-953-307-670-6, InTech, January 1, 2012

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