

Fatima Salaheldin Mohamad Ali

Researcher



PROFILE

Researcher at National Centre for Research (NCR), Ministry of Higher Education and Scientific Research (MHESR), Sudan

NATIONALITY: Sudanese

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RESEARCH EXPERTISE

Mapping change detection of land cover/land use in Sudan. Studying forest ecosystems and valuation through participatory methods such as; interviews, surveys, and focus discussion sessions.

WORK AND PRACTICAL EXPERIENCE

October 2020 to Present

**PhD Student at the Center for Development Research,
University of Bonn, Germany**

Research on sociocultural valuation of forest ecosystem services.

September 2015 to present

**Researcher at the Remote Sensing and Seismology
Authority, National Centre for Research, Sudan**

Participation in research projects. The project focus on land cover mapping to support natural resources management in Sudan. Example of research projects:

- Climate Risk Finance for Sustainable and Climate Resilient Rain-Fed Farming and Pastoral Systems in Sudan.
- The update of land cover maps in Sudan.
- Evaluation of forest and pastures wild land fire in Sudan.

January to August 2014

**Researcher at the National Population Council
Khartoum, Sudan**

Workshop planning for Millennium Development Goals (MDGs) report.

June 2012- December 2020

active member at the Sudanese Knowledge Society

Founding the organization (One of the founder's). head of event office for four years.

Participation in organizing different events and conferences to tackle the development issue in Sudan. In the SKS activities cover three main themes: Information and communication technologies as an opportunity for development. Preservation and protection of Indigenous forms of knowledge. Social, ethical, and political dimensions shape a knowledge society.

January 2011- March 2014

**Teaching Assistant at the Faculty of Science-
Department of Botany, University of Khartoum, Sudan**

Teaching botanical and ecology labs, as well as prepare and supervise field work. The subjects include plant morphology, plant diversity, plant taxonomy, and ecology.

EDUCATION & TRAINING

07/2011 – 02/2014

**Master's degree in
Remote sensing and
Geographic Information
Sciences**

Grade: Very Good

Studies in Remote Sensing and Geographic Information Sciences at the Sudan Academy of Sciences, Khartoum, Sudan.

Thesis: Monitoring of Sugarcane growth through MODIS data

Supervision: Mohammed Aljamri

05/2005 – 09/2010

**Bachelor degree
(Honours) in Science
(Botany – Ecology &
Taxonomy)**

Grade: First Class

Studies in Science, Botany – Ecology & Taxonomy at the Faculty of Science, University of Khartoum, Sudan.

Thesis: Plants Biodiversity of Blue Nile Riverbank in Khartoum

Supervision: DafaAllah Ibrahim

EXTRACURRICULAR TRAINING & EDUCATION

DATE	TITLE
21st-25th October, 2018	Technical Training on Hazard Assessment Using Earth Observation and GIS for Sudan with Intergovernmental Authority on Development (IGAD), Khartoum, Sudan
12th -17th August, 2018	Climate Action for Sustainable Development at Radboud University, the Netherlands
11th-12th June, 2018	Induction training on preventive diplomacy and mediation efforts with the African Union (AU), Ethiopia
7th December, 2017	Pre-conference training on <i>Ecological Restoration and Rehabilitation as Strategies to Provide Ecosystem Services</i> for the 9 th Ecosystem Services Partnership (ESP) World Conference, Shenzhen, China
December 2015 – April 2017	Young Women Leadership Training Program JESR center for development, SOWRD organisation for development, Khartoum, Sudan
September to November 2016)	Principles and Applications of Remote Sensing and Geographic Information Systems at the University of Twente, Faculty of Geo-information Science and Earth Observation, Enschede, the Netherlands

January 2016 – Septembers 2016 Sudan Evidence Base Program with the World Bank group Sudan and the Ministry of Finance, Khartoum, Sudan

5th August – 4th September 2015 Tropical Biology Association Field Course on Tropical Ecology and Conservation with the Tropical Biology Association (TBA), Kibale forest, Uganda.

Publications

Velander, S., Silva Martinelli, F., Idam Sari, D., Ali, F.S.M. & Biber-Freudenberger, L. (2022) A dichotomy of domestic and academic pathways: challenges of motherhood in an international doctoral program on land science, *Journal of Land Use Science*, 17:1, 226-244, DOI: 10.1080/1747423X.2021.2015002

Hamad, M. S., Ali, F. S. M., Mohammed, S. A. A., & Kordofani, M. A. (2020). Checklist of the Flora of Tutti Island, Khartoum Province, Sudan. *Journal of Agriculture and Ecology Research International*, 21(4), 27–40. <https://doi.org/10.9734/jaeri/2020/v21i430139>

Ali, F.S. (2016): Erkowit Conferences and Knowledge Economy: Analytical Study. *International Journal of Innovation and Knowledge Management in Middle East and North Africa*, 5(1), 35-42.

Accepted Abstracts at Conferences

June 2019	Local Knowledge and the Definition the Ecosystem Services and Disservices	Ecosystem Services Partnership Conference Africa. Abstract accepted for presentation, but the author didn't attend.
April 2018	Mapping Spatial Relationship Between Ecosystem Areas and Ecosystem Services to Support Rehabilitation of Social-Ecological System	Ecosystem Services Partnership Conference in Middle East and North Africa, Dead Sea, Jordan, abstract accepted but the author didn't attend.
January 2012	Chronological Comparison of Vegetation of Erkowit Plateau, Red Sea State (1956-2009)	Workshop in knowledge management capacity in Africa, Khartoum, Sudan
February 2017	Knowledge Production Procedure (KPP): Scientific Publishing an Example	Knowledge Fest, World Bank Group Sudan and Sudanese Knowledge Society, Sudan
28 January 2017	Geospatial Data Web Content as Applied to Sudan	Series managing knowledge in a connected world, Sudanese Knowledge Society, Khartoum, Sudan

30 April 2016	Hope in Sudanese Cultures: Some Different Examples	Symposium on the Concept of Hope: Methodology, Pedagogy, and Knowledge Production, Sudanese knowledge Society, Sudan
14-16 February 2015	Climate Change and Cultural Identity in Darfur: Preliminary Thought	Symposium on Contemporary Issues in Knowledge Production: Identities, Mobility's, and Social Media, Sudanese Knowledge Society, Khartoum Sudan

Language Skills					
Mother tongue(s)	Arabic				
English language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C1	B2	B2	B2	B2
	IELTS				
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user				

Communication skills

Good communication skills gained through my experience as teacher, research, civil society activist and studying at international institute .

Memberships

May/2023 – May /2024	Society for Conservation Biology (SCB)
February/2023 – February /2024	International Association for Community Development (IACD)
June/2012 – present	Sudanese Knowledge Society (SKS)
December/2018 – present	The Network of African Women in Conflict Prevention and Mediations (FemWise Africa)

November / 2017– present

Young Ecosystems Services Specialists
(YESS)

Reference

Jun.-Prof. Dr. Lisa Biber-Freudenberger

Senior researcher at the Center for Development Research (ZEF) & LANUSYNCON
Research Group Leader
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Dr. Gada Kadoda

Independent researcher and writer, Sudanese Knowledge Society.
gadoda@gmail.com