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Muna Mohamed Elhag is an Associate Professor of Agro-meteorology, in Water Management and irrigation Institute, University of Gezira, Sudan and formers Senate Representative (Deputy Dean) of the Deanship of graduate studies and Scientific Research from March 2012 to Feb2017 and former Deputy Dean of Postgraduate College from March 2016 to Jan 2020. She is currently responsible for teaching and training in Faculty of Agricultural Sciences and WMII at both undergraduate and post graduate levels. Her research interests are in climate change (impact, adaptation and mitigation) and Remote Sensing and GIs for evaluating impact of climate change on land cover/land use, and potentiality of RS/GIS for selecting water harvesting sites. Dr. Elhag specialized in Agrometeorology in her PhD studies from the University of the Free States, South Africa, and Agriculture (Irrigation) at MSc level, and BSc Agriculture (Agriculture Mechanization) from the University of Khartoum, Sudan. Dr. Elhag started her academic career in August 1997 as a Lecturer in the Department of Agricultural Engineering, University of Gezira and prompt to associate professor in Jan 2013. She has been a principle investigator and team member of locally and internationally funded collaborative projects. Dr. Elhag actively participates in a number of associations including Sudanese Meteorological association, Sudanese water association, Agricultural engineering Union, Sudanese Women in Science Organization (SWSO)

## Selected Publications

1. Mohamoud A. Mohamoud, Abdalla S. Abdalla, Muna M. Elhag and Lotfie A. Yousif, 2019. Estimation of Water Requirement and Water Productivity of Sesame Crop in Dryland Areas of Sennar State, Sudan. Sudan Journal of Desertification Research. Vol. 11 (1):1-16.
2. Mohamoud A. Mohamoud, Abdalla S. Abdalla, Muna M. Elhag and Lotfie A. Yousif, 2019. Water Requirement and Water Productivity of Cowpea (*Vigna unguiculata* [L.] Walp.) Crop in Two Agro-ecological Zones of Sennar State, Sudan. Sudan Journal of Desertification Research. Vol. 11 (1):17-33.
3. Mohamoud A. Mohamoud, Lotfie A. Yousif, Muna M. Elhag, Abdalla S. Abdalla, Eltayeb E. Hassan and Mohamed A.S Ibrahim. 2019. Effect of three farming systems on yield of rainfed Sorghum under two agro-ecological zones of Sennar state, Sudan.Sudan J. Agric. Res. Vol. 28 (2), 333-50.
4. Muna M. Elhag and Hussein M. Sulieman, 2017. Rainfall Erosivity, Land-Use and Land-Cover Change Analysis for Gadarif Region, Sudan. International Journal of Water Resources and Arid Environments. Vol 6(2):252-260
5. Marwa E. H. Ali, El-Abbas Doka M. Ali, Abdalla S. A. Suliman, Muna M. Elhag, Mahgoub S. Mohamedain. Determining the Magnitude of High Spot Lands by using Remote Sensing in Irrigated Schemes Case Study:

Al Rahad Agricultural Scheme-Sudan, 2016.  International Journal of Science and Research.  Vol. Issue 12: 621-628.

6. Muna M. Elhag. Mapping rangeland degradation by using rainfall and remote sensing data, North-Eastern region, Sudan, 2016. RUFORUM Working Document Series (ISSN 1607-9345) No. 14 (1): 1009-1015.  http://repository.ruforum.org

**Selected funded projects**

1. Empowerment of women and youth enhance productivity of vegetables and key livestock value chain, Sudan, 2018. (PI).
2. Growth Monitoring and Yield Estimation of some Strategic Agricultural Crops using Remote Sensing Technology: Mechanized Rainfed schemes in the Gadarif State, 2017. (Member).
3. Impact of Land Development on the Nile River flow regime Using Remote Sensing and GIS (Case study Khartoum State), 2016. (Co-investigator).
4. Graduate Training and Research to Enhance Food Security by Improving the Adaptation of smallholder farmers to Water Scarcity and Climate Change in the Sudan, 2014, (PI).
5. Sharing capacity to build capacity for quality graduate training in agriculture in African universities (SHARE), 2013 (Member)