



**DEPARTMENT OF SOIL AND GEOLOGICAL SCIENCES (DSGS)  
POSTGRADUATE CONCEPT NOTES, PROPOSALS, AND RESEARCH  
PROGRESS PRESENTATIONS**

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**PHD RESEARCH PROGRESS PRESENTATIONS**

**TITLE:** Exploring the relationship between electrical conductivity of saturated paste extract and electrical conductivity 1:2.5 dilution in different soil textural classes

**PRESENTER:** Omar, M.M.

**SUPERVISORS:** Dr. Shitindi, M.J., Dr. Massawe, B.H.J, Pedersen, O., and Fue, K.G.

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**PHD RESEARCH CONCEPT NOTE PRESENTATIONS**

**TITLE:** Optimizing tomato productivity through strategic fertilizer application and postharvest fruit preservation with acacia gum exudates in Tanzania

**PRESENTER:** Francis Fukah.

**SUPERVISORS:** Dr. Hilda Sanga, Dr. Eliakira Kisetu Nassary, and Dr. Festo Silungwe

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**MSc RESEARCH PROGRESS PRESENTATIONS**

**TITLE:** Impact of Synthetic Biodegradable Mulch vs. Polythene Mulch on Yields and Economics of Common Bean (*Phaseolus vulgaris L.*) in Eastern Tanzania

**PRESENTER:** Ahamed Mwarabu Ramadhani

**SUPERVISORS:** Dr. Massawe, B.H.J, Dr. Eliakira Kisetu Nassary, and Prof. Filbert B. Rwehumbiza

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**MSc RESEARCH PROPOSAL PRESENTATIONS**

**TITLE:** Digital Soil Mapping and Multi-Criteria Land Evaluation for Tea Production Suitability in Tarime District, Tanzania

**PRESENTER:** Mwesige, Finias Fidelis

**SUPERVISORS:** Dr. Massawe, B.H.J & Dr. H. Sanga

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**MSc CONCEPT NOTES PRESENTATIONS**

**TITLE 1:** Microbial Biofortification to Increase Zn, Cu, Fe, And Mn Concentration in Maize and Rice Grains in Morogoro

**PRESENTER:** Mulashani, Glory Raphael

**SUPERVISORS:** Dr. Nyambilila A. Amuri and Dr. Hamis Tindwa

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**TITLE 2:** Improvement of Tea Productivity Through Enhanced Phosphorus Bioavailability Using NPK Organo-Mineral Fertilizers

**PRESENTER:** Mjanja, Braison Ernest

**SUPERVISORS:** Dr. Shitindi, M.J., and Dr. Massawe, B.H.J

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**VENUE:** DSGS MSc LECTURE ROOM

**DATE:** 12<sup>th</sup> July 2024

**TIME:** 09:00 AM

**YOU ARE WARMLY WELCOME!**