

Session Program

16–19 Dec 2024

**12th International Conference of the African Materials
Research Society (AMRS)**

AGRICULTURE

Tuesday 17 December

14:00

AGRICULTURE: PARALLEL

Session

14:00–14:20 Advanced Materials Engineering: Shaping the Future of Sustainable Technologies

Speaker

Gurpreet Singh Selopal

14:20–14:35

Appraisal On Local Manufacturing of Agricultural Farm Tools in Ghana: Using Local Herbs for Mechanical Optimization

Speaker

Ms Keziah Noamesi Enyonam

14:50–15:05

DEVELOPMENT OF FERRO-MANGANESE BINARY OXIDE/ZEOLITE-A NANOCOMPOSITE FOR POULTRY MANURE TREATMENT AND AS NANOFERTILISER

Speaker

Prof. Jimoh Oladejo Tijani

15:05–15:20

Mechanism of iron absorption through foliage leading to enhanced yield and Fe biofortification in soybean and rice

Speaker

Sandeep Sharma

15:20–15:35

Sustainable Solid Lubricant for Bioparticles with Complex Shapes

Speaker

Dhanush Udayashankara Jamadgni

15:35–15:50

Recovering phosphorus from waste water for agriculture purpose

Speaker

Mrs KAMASHAZI Chantal

15:50

Wednesday 18 December

09:50

AGRICULTURE: PARALLEL

Session

09:50–10:05

Water Hyacinth Biochar as Candidate for Green Nano-innovations: Morphological and Chemical Properties for Bio-Nanofertilizer Development

Speaker

Adewale Irewale

10:05–10:20

Harnessing photodynamic and non-photodynamic antimicrobial characteristics of extracts from Hibiscus sabdariffa calyces and Lawsonia inermis leaves for eco-friendly sustainable preservation and sanitation of tomatoes

Speaker

Dr Hussaini Majiya

10:20–10:35

Agrofruit production

Speaker

NDAGIJIMANA Callixte

10:35–10:50

Innovative approaches to sustainable plastic waste management and circular economy

Speaker

Mr Emile NZAYISENGA

10:50

14:00

AGRICULTURE: PARALLEL

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14:00–14:20

The other side of hemp (Cannabis sativa): a veritable tool for agricultural nanotechnology.

Speaker

Dr Christian Dimkpa

14:20–14:35

REVOLUTIONALIZING AGRICULTURE: INNOVATIVE MATERIALS FOR SUSTAINABLE FARMING AND CROP ENHANCEMENT

Speaker

UWAMAHORO Sandrine

14:35