

BIOMASS FAIR 2022

7 September - Namibia Biomass
Research Symposium



Theme:
Discovering a New Decade for
BIOMASS

 Safari Hotel and Conference Centre, Windhoek

Note: 15 mins per Speaker and 5 mins for Q&A

Moderator: Mr Evert Strydom

07h00 -08h00 Opening Session: Arrival and coffee opening

08h00 - 09h20 Introduction

Anthems

Welcoming remarks

• **Mr Evert Strydom**-Bio Economy Research Projects Manager - Namibia University of Science and Technology

Keynote Speaker

• **Dr Colin Stanley** - Deputy Vice-Chancellor: Research, Innovation & Partnerships - Namibia University of Science and Technology

09h20 - 10h40 Session 1: Developing Namibia's Bio-Economy and Environmental Governance

09h20 - 09h40 An Evaluation of Revealed Comparative Advantage of Namibian Wood and Charcoal Industry on Global Markets.

• **Mr Salomo Mbai** - Director at Agricultural Trade Policy Institute: Livestock and Game Analytics- Namibia University of Science and Technology

09h40 - 10h00 Producing succulent biomass in Namibia

• **Prof Vera De Cauwer** - Associate Professor: Agriculture and Natural Resources - Namibia University of Science and Technology

10h00 - 10h20 Gender dynamics in Agroforestry systems (Virtual presentation)

• **Dr Mandiedza Parichi** - Post-Doctoral Researcher: Gender Equality and Social Inclusion - Namibia University of Science and Technology

10h20 - 10h40 Potential of Namibia encroacher bush biomass in a green circular economy: A research perspective.

• **Prof Habauka Kwaambwa** - Head of Department and Professor: Chemistry - Namibia University of Science and Technology

10h40 - 11h00 Tea Break

Implementing Partners

11h00 - 12h00

Session 2: Biomass Utilisation and Value Chains

11h00 - 11h20

Mushroom Cultivation as an Alternative to Combating Bush Encroachment in Namibia

• **Ms Kristine Haukongo - MSC Biochemistry student - University of Namibia**

11h20 - 11h40

Feed Intake and Growth Performance of Damara Lambs Fed Bush-Based Rations from Four Namibian Encroacher Bush Species

• **Mrs Katrina Shiningavamwe - PhD student - University of Namibia**

11h40 - 12h00

Short-Term Effects of Some Agricultural Applications of Encroached-Bush Biochar.

• **Dr. Ibo Zimmermann - Agricultural Scientist - DIVAGRI Project - Namibia University of Science and Technology**

12h00 - 12h20

Conversion of lignocellulosic biomass in hydrothermal conditions

• **Ms Lovisa Johannes-Mechanical Engineering student - Hiroshima University**

12h20-13h00

Session 3 Part 1: Biomass Technology Development

12h20 - 12h40

Monitoring of Namibian Encroacher Bush using Computer Vision (Virtual presentation)

• **Mr Pascal Marggraff - Alumnus - Stellenbosch University**

12h40 - 13h00

Strategies for accelerating biogas technology adoption in Namibia (Virtual presentation)

• **Dr Charles Rashama - Post-Doctoral Researcher: Biomass Process Optimization - Namibia University of Science and Technology**

13h00 - 14h00 Lunch Break



Implementing Partners





14h00-14h40

Session 3 Part 2: Biomass Technology Development

14h00 - 14h20

State of the Art and Current Research in Hydrogen Production from Biomass (Virtual presentation)

• **Dr -Ing. Andy Gradel - Chief Engineer - Institute for Water and Energy Management - University of Applied Sciences Hof**

14h20 - 14h40

The use of biomass production for green hydrogen production and as a driver for mitigation of climate change

• **Prof Mapani Benjamin - Professor for Mining Engineering - Namibia University of Science and Technology**

14h40 - 15h00

Producing Biogas from Organic Waste Products in Namibia

• **Dr Günter Lempert - Specialist Water Treatment Consultant - Aquarius Consult CC**

15h00 - 15h20 Tea Break

15h20 - 16h00

Session 4: Bush Harvesting and Rangeland Restoration

15h20 - 15h40

Wood Value Addition in Namibia: Some Opportunities and Challenges

• **Dr Axel Rothauge - Consultant at AgriConsult Namibia**

15h40 - 16h00

The Effect of Wood Harvesting On The Savanna Ecosystem: A Study in the Thornbush Savanna of Namibia

• **Mr Jerome Boys - Rangeland Science Researcher - Ministry of Agriculture, Water & Land Reform**

16h00 - 16h15

Vote of thanks by Namibia University of Science and Technology

• **Mr Evert Strydom**

Anthems

Implementing Partners

