

BiInnovate Africa in Tanzania (2016–2021)

Innovation partnerships between academia, industry, and government institutions in Tanzania are delivering several products at different stages of development and commercialisation. These products are eco-friendly, and are part of BiInnovate Africa's contribution to economic growth and social development in eastern Africa through sustainable industrialisation.

Public Sector Organisations: Tanzania Agricultural Research Institute (TARI-Mikocheni), University of Dar es Salaam, Sokoine University of Agriculture, Tanzania Commission for Science and Technology, Sokoine University of Agriculture, Tanzania Industrial Research and Development Organization (TIRDO), The Nelson Mandela African Institute of Science and Technology, Tanzania Fisheries Research Institute (TFRI), Tanzania Veterinary Laboratory Agency (TVLA), Tropical Pesticides Research Institute (TPRI), Tanzania Agriculture Research Institute (TARI - Selian).

Private Sector Companies: Guavay Company Limited, Innovative Technology and Energy Center, The Recycler Limited, A to Z Textile Mills Limited (Vector Health International), Jicho Communicative Limited.

Organic waste Conversion

- Bio-alkanol gel fuel alternative for rural households in the Lake Victoria basin
- New integrated methods for industrial wastewater treatment
- Chicken and fish feed enriched with insect-based proteins
- Using earthworms to decompose coffee waste and the excess as feed for fish and poultry
- Nitrogen bio-fortified commercial grade organic fertilizer to improve soil management

Controlling human and animals diseases

- Areawide control of tsetse flies using novel repellents and attractants
- Catnip and other herbal-based mosquito repellents
- Validating herbal remedies with antiviral properties to address COVID-19

Integrating digital solutions for distribution of virus-free sweet potato vines

Controlling plant pest, diseases and weeds

Nutritionally enhanced sorghum and millet products

Nutrient-rich substrate blocks for growing mushrooms

Improving nutrition

Developing an innovation-led bioeconomy strategy for eastern Africa

Policy support for sustainable bioeconomy

Five (5) BiInnovate Africa Postgraduate students in Tanzanian institutions (2017-2021)

Seven (7) BiInnovate Africa women fellows from Tanzania (2018-2021)

Enhancing bio-entrepreneurship capacity



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