

NEWAL Project Grants 2022

Project Factsheet



NEWAL
Network for Water & Life

Project title **Mushroom Production from Sawdust Waste**

Country

Ghana

Target SDGs

1, 3, 6 and 13

Partner Institution

ROB-ART ENT.

Kwame Nkrumah University of Science & Technology



Background

Sawdust waste materials, which are abundantly produced in Ghana by timber processing companies, can be managed and recycled into compost to serve as a medium for mushroom production. This management method is an innovative approach for reducing the impact of sawdust waste and improving livelihood in Ghana.

Project goal

The project aims to explore how best sawdust waste can be recycled for mushroom production to enhance mushroom cultivation in Ghana to meet the increasing demand on local and international markets. This will enable us to use sawdust waste as a vital resource to improve livelihood in Ghana.

Target population and how they are impacted

The targeted population for this project is individuals in Ghana, especially the unemployed youths who, after successful implementation of the project, will be self-employed in the commercial production of mushrooms. This will serve as a source of employment for many youths in Ghana. Another group targeted is the poor in Ghana who cannot afford a high nutritional source of food. The mushroom that will be produced will serve as a cheap alternative for many people to have access to nutritional foods.

How the project sustainability is ensured

The project team has planned to acquire a permanent location for the implementation of the project which, after successful piloting, will enter into the commercial production phase. Final products (mushrooms) from the project will be sold, and the revenue accrued will be used to support the commercialization of the project. Team members are willing to give their maximum support to ensure the long-term sustainability of the project to improve many lives in Ghana.

Business opportunity that can result from the project

The cultivation of mushrooms is one of the major industrial sectors that can be explored to change many lives in Ghana. Many local producers of the commodity have confirmed that mushrooms have a great local and international demand in which producers are still not being able to meet due to production challenges and limited resources. One major objective for this project is to establish how best the commodity can be produced and determine an innovative market structure to meet local and international demand.

Main applicants



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