

Experimental studies on the mineral content of solojo flours and protein isolates from two varieties (das & bs) of under-utilized nigerian cultivated solojo cowpea

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Abstract

Food security of any given nation exists when its people, at all times, have physical, social and economic access to sufficient, safe and nutritious food that meets their dietary needs without any restriction or limitation on access to food because the right to food is a well-established principle of international human right. However, agriculture is intensely pressured with the challenge to feed an envisaged (9) nine billion population projected to be on the planet by 2050 while research predicts a considerable pressure on the protein sources in the coming decades. Going by FAO statistics (1990), 1/7th of the world populace are suffering from starvation and 1 billion more people have insufficient in-take of protein. The existing problems of malnutrition and food in-security coupled with rapid population growth and prohibitive nature of animal-based food have necessitated the need to identify and integrate unorthodox protein sources to augment the conventional formulation

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Biography

Chibudike's research exploits include: 1. Determination of the Pulping Potentials of Seven (7) Nigerian Savanah Timbers and Assessment of the Pulping Potentials of Twenty one (21) Nigeria Cultivated Agro-based Fibers and their suitability for the production of various grades of pulp, paper, ceiling and fire retardant boards. 2. Production of Glucose Syrup from Cassava vis Enzymatic approach. 3. Conversion of Glucose Syrup to Sorbitol via Hydrogenation process. He through utter determination

and unabashed environmental concern proposed and faced the challenges of changing the principles of Pulping operation in the Pulp and Paper Laboratory, FIRO. He strengthened the fabric of these aspects of research by his innovative contributions and pioneering work technology for converting woody and non-woody ligno-cellulosic biomass to pulp and paper in attempt to address issues of environmental concern associated with pulp and paper production.