

Editorial

The third issue of the sixteenth volume of AU Journal of Technology contains contributions from the fields of biotechnology, civil engineering, mechanical engineering and communications technology.

The Research Paper entitled “Development of Job’s Tears Yogurt” by Nontaon Keeratibunharn and Wunwisa Krasaekoopt introduces a suitable formula of Job’s tears for yogurt which remarkably increases fiber and protein contents and influences the color, flavor and texture of the product. The formula has been obtained after a systematic investigation of the effects of added Job’s tears beverage on the microbiological behavior of yogurt cultures and the chemical and sensory properties of the product as well as consumer acceptance.

The Research Paper entitled “Endoglucanase Production by *Penicillium atrovenetum* Using Plantain Peels as Substrate” by Adebare Johnson Adeleke considers *Penicillium atrovenetum* as a fungus of choice in the production of cellulases with the use of plantain peels as a cheap substrate.

The Research Paper entitled “Bio-oxidation of Nylon-6 by *Aspergillus niger* Isolated from Solid Waste Dumpsites” by Hassan Adeyemi Sanuth and Obasola Ezekiel Fagade investigates the potential of an *Aspergillus niger* strain for large scale biodegradation of nylon-6.

The Review Article entitled “Curd Coconut: Its Mystery and Potentialities” by Narong Chomchalow provides information about a rare abnormality in the meat of the coconut known as curd coconut. The article considers the types, hypothesis of origin, physiological basis, knowledge exploitation and benefits of curd coconut.

The Book Review entitled “A Scholarly Review of “Error Control for Network-On-Chip Links” (Authors: Bo Fu and Paul Ampadu, 2012)” by Dobri Atanassov Batovski considers the different error-control coding schemes for on-chip interconnects. The reliability of networks-on-chip (NoC) is a field of study in communications technology which becomes increasingly important due to the recent advances in nanotechnology.

The Technical Report entitled “Nutritional Evaluation of Milk Bush (*Thevetia neriiifolia*) Seed Oil in Wistar Albino Rats” by Bridget Ebehiremen Iorliam and Baturh Yarkwan evaluates the nutrition suitability and physicochemical properties of milk bush seed oil. It is stated that the oil meets the standard nutritional requirements and if detoxified could be recommended for consumption.

The Technical Report entitled “Geotechnical Properties of Makurdi Shale Treated with Bamboo Leaf Ash” by Amos Yala Iorliam, Peter Okwu and Terhide Jeremiah Ukya describes ongoing efforts to improve the geotechnical properties of Makurdi shale and provides a proper classification of the soil.

The Technical Report entitled “Investigation of Some Mechanical Properties of ‘Agaraba’ - A Native Nigerian Bamboo” by Oyewole Adedipe, Aliyu Alhaji Abdullahi, Oladeji Akanni Ogunwole and Sadiq Ibrahim Ogu includes test results which indicate that ‘Agaraba’ (*Bambusa vulgaris*) could be used as an alternative material to wood, plastic and concrete in applications such as housing, construction and piping and also for use in some engineering applications.

Narong Chomchalow, Editor, AU J.T.