

## Editorial

The variety of topics discussed in this issue of AU Journal of Technology is in support of the editorial policy to provide an opportunity for practitioners from technology-related areas to share their findings and experience with the readers. The selected technological solutions and challenges are published to encourage further exploration in these areas.

The regular paper entitled “Influence of Different Nutrient Sources on Exopolysaccharide Production and Biomass Yield by Submerged Culture of *Trametes versicolor* and *Coprinus* sp.” by Bukola Christianah Adebayo-Tayo and Edwin Emeka Ugwu includes results which may provide sustainable means of adding value to submerged cultivation for the production of Exopolysaccharide (EPS) which can exhibit hematological, antiviral, antitumor, antibiotics, antibacterial and immune-modulating activities.

The regular paper entitled “Natural Honey and Nigerian Gum Arabic as Composite Binder for Expendable Foundry Cores” by Nuhu Ali Ademoh shows that natural honey can be effectively combined as composite with Nigerian gum Arabic for core binding for ferrous and non-ferrous castings.

The review article entitled “Giant Salvinia – An Invasive Alien Aquatic Plant in Thailand” by Narong Chomchalow is the Editor’s contribution. It provides information about the known wide-ranging negative socio-economic and environmental impact of introducing a noxious invasive plant.

The review article entitled “A Review on Modular Mechatronic System (mMs)” by Narong Aphiratsakun, Virach Wongpaibool, Wutthikorn Threevithayanon and Kittiphan Techakittiroj describes a modular mechatronic system which includes three stations operating in a sequential manner. The said system is used in a mechatronics laboratory experiment to illustrate industrial sequential processes.

The review article entitled “Admission Policy and Academic Standard in Engineering Education at the Nigerian Tertiary Education System” by Mark Ndubuka Nwohu highlights the issues in engineering education which a developing country like Nigeria should resolve in order to meet the challenges of the labour market.

The technical report entitled “Use of Health Line Consultations among Myanmar Migrants, Thailand: A Descriptive Study” by Khaing Khaing Gyi, Win Sint Sint Aung and Paulina Mu Pauline describes a work in progress on preventive and curative health care services for migrants.

The technical report entitled “Kinetics of Fermentation by Enzymes: A Mathematical Approach” by Semiu Adebayo Kareem, Haruna Mavakumba Kefas, Ternenge Joseph Chior and Ganiyu Kayode Latinwo explains analytically the kinetics of enzyme-substrate reactions and shows that enzyme-catalyzed reactions are another form of surface reaction.

The technical report entitled “Development of an Impact Monitoring System for Petroleum Pipelines” by Oluwafemi Ayodeji Olugboj deals with theoretical and experimental work for locating an impulsive event on a pipeline using the pressure pulse caused by it from measurements made remotely.

The technical report entitled “Design of Microcontroller-Based Automatic School Bell” by Henry Ohiani Ohize, Elizabeth Nonye Onwuka and Ahmed Ibrahim uses a programmed microcontroller chip to schedule the school teaching and break periods so that for every start or end of a period a bell is automatically rang.

The letter entitled “Thermophysical Properties of Shoe Polish Manufactured from Pure Water Sachet” by Charles Ugbede Ameh demonstrates that shoe polish can be produced from pure water sachet and when compared with foreign shoe polish it has a slight difference on all properties except the viscosity.

*Narong Chomchalow, Editor, AU J.T.*