

DAY ONE: SUNDAY, JULY 15, 2018

16:00-18:00 **Arrival of Delegates/Participants**

DAY TWO: MONDAY JULY 16, 2018

08:00-16:30 **Opening Ceremony**

08:00-09:00 Arrival to venue and Registration of the participants
09:00-10:00 Courtesy visit to Prof B. Ozumba, the Vice Chancellor, University of Nigeria
10:00-10:15 Introduction of guests
10:15-10:20 Opening Prayer/National Anthems
10:20-10:30 Welcome Address by Prof R.U. Osuji
10:30-10:40 Address by the chairman of the Occasion – Engr (Dr) John Chukwu
10:40-10:50 Welcome Address by Prof B. Ozumba, the Vice-Chancellor, University of Nigeria
10:50-11:40 Keynote Speech by Prof Kenneth Ozoemena, Wits University, South Africa
11:40-12:20 Lecture I: Engr (Dr) EmekaOkwuosa, MD Oilserv
12:20-13:00 Lecture II Prof Emmanuel Iwuoha
13:00-13:40 Lecture III Prof DejiAkinwade
13:40-14:20 Lecture IV Prof Justus Ndukaife
14:20-14:30 Closing Remarks by Prof R.U. Osuji
14:30-14:40 Vote of thanks by Prof A.A. Attama
14:40-15:00 Group Photograph
15:00-16:00 Touring of the Labs/Lunch

16.00 -18. 00 **POSTER SESSION (A)**

DAY THREE: TUESDAY, JULY 17, 2018 (Plenary/Technical Session/Poster Session B)**PLENARY SESSION**

TIME	AUTHOR(S)	TITLE
8.30 – 9.10	<u>O.A. Arotiba</u> ^{a,b} , N. Mabuba ^{a,b} , D Nkosi ^a	INV 01 Nanomaterials in Electrochemistry for Environmental and Health Applications
09.10 – 09.50	Ishaq Ahmad ^{1,7,8*} , Muhammad Usman ¹ , Sara Qayum ² , Jun Luo ³ , Arshad Mahmood ⁴ , Javed Iqbal ⁵ , Abdoulaye Diallo ^{6,7,8} , Fabian Ifeanyichukwu Ezema ^{7,8,9} , Maaza Malik ^{7,8}	INV 23 Bandgap engineering of TiO ₂ nanoparticles through MeV Cu ions irradiation
09.50 – 10.30	Rajan Jose	INV 16 Efficient and Stable Perovskite Solar Cells using Macroscopic Nanostructures
10.30 – 11.10	C M I Okoye	INV 11 Effect of main-group elements on the structural stability, electronic and magnetic properties of NiMnCuX (X = In, Sn, Sb) quaternary Huesler compounds: A density functional approach
11.10 – 11.50	Anthony I Okoh,	INV 21 New challenges in the water treatment sector and the potential roles of nanotechnology as remedy options
11.50 – 12.20	BREAK	
12.20 – 13.00	<u>Katlego Makgopa</u> ^a , Kumar Raju ^b , Paul M. Ejikeme ^d and Kenneth I. Ozoemena ^c	INV 15 High-performance onion-like carbon modified manganese oxide (OLC/Mn ₃ O ₄) nanohybrid for application in pseudocapacitor
13.00 – 13.40	DARE, ENOCK OLUGBENGA	INV 12 THREATENING SOCIOLOGICAL – ENVIRONMENTAL NEXUS AND CRIMINALITIES OF ALL KINDS, NANOTECHNOLOGY’S RACE TO OFFER FORENSIC MITIGATION TO THE SOCIETY
13.40 – 14.20	M.V. Reddy	INV 09 Nano structured functional materials for Energy storage
14.20– 15.00	Tariq Jan ¹ , Bashir Ahmad ² , Ishaq Ahmad ³	INV 10 Study of TM doped ZnO-RGO Nanostructures
15.00 – 16.00	BREAK	
16.00 – 16.40	Mesfin Kebede ¹	INV 18 LiMn ₂ O ₄ nanorod cathode and SnO ₂ nanorod/onion like carbon (OLC) anode materials for lithium-ion batteries
16.40 – 17.20	Muhammad Ashfaq Ahmad [*] , Samia Aslam, Faiza Mustafa	INV 19

		Interplay of molecular dynamics in tuning optical properties of quantum confined CdS systems
17.20 – 18.20	POSTER SESSION (A)	
<u>DAY FOUR: WEDNSDAY, JULY 18, 2018 (Plenary/Technical Session/Poster Sessions (C))</u>		
PLENARY SESSION		
8.30 – 9.10	Anthony A. Attama ^{1,2} , Yechezkel Barenholz ¹ , Keren Turjeman ¹	INV 26 Sterically stabilized nanoliposomes containing doxycycline hyclate
09.10 – 09.50	Nwodo UU ¹ and Okoh A.I.	INV 13 The BioFlocculant – Nano Materials Interface: Prospects in Industrial Application
09.50 – 10.30	Aziz Amine	INV 02 Carbon Nanomaterials based Biomimetic Sensors: Recent applications
10.30 – 11.10	ChineduEkuma	INV 03 Accelerating Materials Discovery Through Computational Design
11.10 – 11.50	Martin. O. Onani	INV 20 The Indium based quantum dots and biomedical applications
11.50 – 12.20	BREAK	
12.20 – 13.00	Ezekiel D. Dikio	INV 22 Synthesis of graphene oxide and its application for the adsorption of lead ions in aqueous solution
13.00 – 13.40	Onani OM, Roro K, Koao LF, Wako AH, Ali AG, Foka KE, Kebede MA, Sithole TM, Lotha TL, J Ungula, Ali AG, Motloun SV, Swart HC and <u>Dejene BF</u>	INV 04 Light Energy (solar and luminescent materials) in Service of Man Kind - from Nanoscale to Microscale
13.40 – 14.20	Ezekiel D. Dikio	INV 24 ADSORPTION STUDY ON AMORPHOUS SALTS OF 1,2,4,5- BENZENE TETRACARBOXYLIC ACID BASED METAL ORGANIC FRAMEWORKS
14.20– 15.00	BREAK	
15.00 – 16.00	POSTER SESSION (B)	

16.00 – 18.00

TECHNICAL SESSIONS

DETAILS

TECHNICAL SESSIONS					
DAY THREE/FOUR: JULY 17/18, 2018					
TIME	SESSION 1	SESSION 2	SESSION 3	SESSION	SESSION
	ENERGY 1	ENERGY 11	ENVIRONMENT	HEALTH 1	HEALTH 11
16.00 – 16.10	ENG 01 Chinedu Christian Ahiaet al: Fabrication of InSb/GaSb quantum dots for mid-infrared opto-device applications	ENG 25 Ibeagwu Onyebuchi I, et al: Numerical Investigation of Cu-Dispersed Bi ₂ Te _{2.7} Se _{0.3} Thin Film Thermoelectric Generator with Lenses for Chromatic Aberration	ENV 01 M.R. Anil Kumaret al. Green engineered nanoMgO and ZnO doped with Sm ³⁺ : a comparison study on their synthesis, characterization, Photocatalytic activity and photoluminescence properties	HLT 01 Agubata C.O et al.: Evaluation of single lipids and nanostructured lipid particles based on Irvingia fat and goat fat for application as emollients	HLT 30 Taiwo A. Okeyedunet al.: Synthesis and Characterization of Silver-Zinc Oxide Nanocomposite: Potential antimicrobial agent on selected bacterial isolates of clinical origin.
16.10- 16.20	ENG 02 E. I. Achuka et al: FABRICATION OF DYE SENSITIZED SOLAR CELL USING DYE EXTRACTED FROM GARCINIA KOLA PLANT LEAVES	ENG 27 Innocent S. Ike et al: Modelling and Optimization of Electrodes Utilization in Symmetric Electrochemical Capacitors for high Energy and Power	ENV 02 Anyanwu, G. O et al. IMPACT OF ZINC OXIDE NANOPARTICLES ON SEEDLING EMERGENCE, GROWTH AND ANTIOXIDANTS OF ABELMOSCHUS ESCULENTUS VAR. CLEMSON SPINELESS	HLT 02 C.O Agubata and O.C Onwumere Self-emulsifying solid lipid microparticles of glibenclamide: A novel formulation for improved bioavailability in diabetes management	HLT 35 Ramat blessing Musaet al.: Synthesis, characterization and antimicrobial properties of Silver-silica nanocomposite
16.20 – 16.30	ENG 15 John M. O.et al: Semi-Pure Dye from Leaf Extract of <i>Lonchocapuscyanescens</i> as	ENG 28 Ishaq Ahmad et al: Gamma irradiation-induced phase transitions of boron nitride nanoparticles	ENV 06 Chinaka F. Chimezieet al Characterization and Gamma dose response of multicrystalline	HLT 03 Anyanwu, G. O et al.: IMPACT OF ZINC OXIDE NANOPARTICLES ON THE GROWTH AND	HLT 37 ¹Chime S.Aet al.: Formulation, in vitro and antimicrobial evaluation of gentamicin-lipospheres based

	Natural Sensitizer For Dye-Sensitized Solar Cell (DSSC).		$\text{Li}_2\text{B}_4\text{O}_7:\text{Mg}$ Phosphor prepared by the melting zone method	ANTIOXIDANTS OF ABELMOSCHUS ESCULENTUS VAR. CLEMSON SPINELESS	on phytolipids from Irvingiawombolu and Moringaoleifera
16.30 – 16.40	ENG 18 Ernest I. Obetta et al: EFFECT OF DEPOSITION TIME ON THE STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF BISMUTH SULPHIDE THIN FILMS DEPOSITED BY SILAR METHOD	ENG 35 Rajaram S. Mane et al: Nanostructures for Energy Conversion and Storage/Harvesting Application	ENV 07 Christian NlemchukwuNwosu Application of Nanomaterials for Engineering of Long Period Gratings Based Sensor	HLT 04 C M ONAH et al.: Transdermal delivery of irbesartan: Microemulsion as a potential carrier system	HLT 38 Chime S.A et al.: Formulation and evaluation of solid lipid microparticles loaded with the leaf extract of <i>Vernoniaamygdalina</i>
16.40 – 16.50	ENG 26 Igori Wallace et al: Synthesis and Characterization of Zinc Oxide (ZnO) Nanowire	ENG 39 A.C. Nkele et al: The Use Of Nickel Oxide As A Hole Transport Material In Perovskite Solar Cells	ENV 10 Paul N. Diagboya† and Ezekiel D. Dikio Scavenging of aqueous toxic organic and inorganic cations using novel facile magneto-carbon black-clay composite adsorbent	HLT 08 E. C. Ossai et al.: Improved entrapment of water-soluble bioactive molecules in lipid vesicles formed by multiple emulsification and solvent evaporation integrated-process	HLT 39 Samson O. Aisida et al.: Structural, Optical, Morphological and Antibacterial activities of Silver Nanoparticles capped with <i>Gongronemalatifolium</i> prepared by co-precipitation method
16.50 – 17.00	ENG 31 J. Sithole et al: Influence of deposition parameters over preparation of zinc compounds using aqueous chemical growth process	ENG 56 I.C Ezema et al: NANO COMPOSITES: PROCESSING, CHARACTERIZATION AND APPLICATIONS - A REVIEW	ENV 11 Ebere U. Njoku et al Environmental Degradation: The Current Case of Niger Delta Region, Nigeria.	HLT 17 Chukwuemeka C. Mbah et al.: ETHOSOMES FOR TRANSDERMAL DELIVERY OF PIROXICAM	HLT 42 Ugorji L. Onyinyechiet et al.: PALM KERNEL OIL BASED SELF EMULSIFYING OIL FORMULATION FOR DELIVERY ARTEMETHER
17.00 – 17.10	ENG 32 Kevin I. Y. et al: One-pot synthesis of size and shape controlled CdSnanorods and nanodots.	ENG 57 T.C Chibueze and C.M.IOkoye First Principles Study of the Structural, Electronic and Magnetic Properties of w-CoS	ENV 20 O. K. Echendu et al.: Effect of different Cd precursors on the physico-chemical properties of electrodeposited CdS thin films for photovoltaic application	HLT 18 Momoh A. Mumuniet al.: Preparation and evaluation of the molecular interaction between glibenclamide and Gelucire50/30-PEG4000 based solid dispersion: <i>in vitro</i> and <i>in vivo</i> study	HLT 43 Z.S. Yahaya et al.: Piroxicam self-nanoemulsifying drug delivery system using a natural lipophile

17.10 – 17.20	ENG 36 Mbakaan et al: EXPERIMENTAL INVESTIGATION OF SILICA–BASED NANOPHOSPHORS DERIVED FROM RICE HUSK	ENG 61 E. O. Oladimeji¹ and Yu. G Rudoy¹ THE DYNAMIC PROPERTIES OF THE PÖSCHL – TELLER OSCILLATOR IN NANO-ENGINES	ENV 25 M. Abdul Rauf khanet al. Microplasma Assisted Synthesis of CuO Nanostructures for Catalytic Degradation of Organic Dyes under Solar Irradiation	HLT 20 ¹Momoh A. Mumuniet al.: Development and evaluation of ChitoGylated-mucin nanoparticles for oral delivery of insulin in a diabetic rats	HLT 44 Olikagu C.Set al.: Green synthesis, characterization, anti-oxidant, anti-microbial, catalytic and electrochemical properties of silver nanoparticles using aqueous extract of <i>Huracrepitans</i> leaves
17.20 – 17.30	ENG 38 Nanasaheb M. Shinde 3-D Bi ₂ O ₃ Nanostructured Negatrododesfor High Energy and Power Asymmetric Supercapacitors: Superfast Room-Temperature Direct Wet Chemical Growth	ENG 53 A.C. Nwanyaet al: Facile synthesis of Nano-rod- like Na _{0.44} MnO ₂ for aqueous sodium ion battery application.	ENV 30 Uwaechia, F. C Evaluation of Radiation Hazard Indices for Selected Sites at Nasodi International Mining Company, Southern Kaduna, Kaduna State, Nigeria	HLT 21 C.S.Nwagwuet al.: SOLID LIPID NANOPARTICULATE FORMULATION OF ETHANOLIC EXTRACT OF <i>GARCINIA KOLA,HECKEL</i>	HLT 48 Onuigbo, E.B. and Nduka, O.J Chitosan/alginate microparticles blend as a construct for the possible delivery of fowl typhoid vaccine: preparation, optimization and characterization
17.30 – 17.40	ENG 45 P. O. Offor et al: The properties of silver- doped zinc sulphide thin films deposited by chemical spray pyrolysis technique.	ENG 54 Obaseki O.S. FT -IR SPECTROSCOPIC STUDIES ON SIX NATURAL DYE EXTRACTS FOR DYE SENSITIZED SOLAR CELLS APPLICATION		HLT 26 Uzoma I. Oduah*¹ and Michael Henry² NANOFABRICATION OF A HIGHLY SENSITIVE PHOTODETECTOR FOR RETINAL PROSTHESIS	
17.40 – 17.50	ENG 49 S. U. Offiahet al: Influence of EDTA on SILAR deposited ZnO nanostructures for DSSC applications	ENG 55 Anyakaand Okorodudu² VOLTAGE PROFILE IMPROVEMENT OF THE NIGERIAN 330 kV NETWORK USING STATIC SYNCHRONOUS SERIES COMPENSATOR			55
17.50 – 18.00					

POSTER SESSION (A)
DAY TWO: MONDAY, JULY 16, 2018

	<p>ENG 06 Arthur I. Ejere et al.: $A_xB_{1-x}C$ ternary Quantum well based in $A_xB_yC_{1-x-y}D$ alloy system for Solar-electro conversion</p>	<p>ENG 33 *L.W. Lumbiet et al.: A GENERALIZATION OF QUANTUM THEORY OF SIMPLE LINEAR HARMONIC OSCILLATOR</p>	<p>ENV 03 Abdulkareem, I. A ENERGY GENERATION AND HERDING ACTIVITIES ON HYDRO-POWER RESERVOIR catchments: THE CHALLENGES</p>	<p>HLT 05 UGWU CALISTER ELOCHUKWU COATING AND EVALUATION OF COMPRESSED TABLETS USING TWO DIFFERENT CONCENTRATIONS OF GELATIN.</p>	<p>HLT 33 Onyekwelu, C. N. and Oragba, N. C CHEMICAL COMPOSITION AND SENSORY EVALUATION OF GREEN TEA FROM BLENDS OF PAWPAW, UTAZI AND MORINGA LEAVES</p>
	<p>ENG 08 B.J. Robert et al.: Bath temperature dependent structural and optical properties of chemically deposited ZnS thin films</p>	<p>ENG 37 N. Ezukwoke et al.: ESTIMATION OF POWER AND CURRENT-VOLTAGE CHARACTERISTIC USING SINGLE DIODE MODEL</p>	<p>ENV 04 Abubakar, A. A Development of Carbon Nanotube and Silver Nanoparticles Nanocomposite for the Treatment of Selected Heavy Metals from Mine Wastewater</p>	<p>HLT 06 C. E. Ugwu Formulation, evaluation and characterization of lumefantrine-PEG based Solid dispersion</p>	<p>HLT 34 Patrick N. Onyi ANTIMICROBIAL PROPERTIES OF ESSENTIAL OIL FROM <i>OCIMUM GRATISSIMUM</i> L. (LAMIACEA) ALONE AND IN COMBINATION WITH STANDARD ANTIBIOTICS AGAINST UROGENITAL CLINICAL PATHOGENS</p>
	<p>ENG 10 C. Ezeokoye et al.: Influence of Cobalt doping in taming the optical properties of chemically deposited Sb_2S_3 thin films</p>	<p>ENG 41 Nwosu, C. Met et al.: Available Power versus Harvested Power in Wind and Solar Energy Systems</p>	<p>ENV 05 Agwulonu D.E¹ COMPARATIVE DETERMINATION OF CALCIUM AND MAGNESIUM IN FOOD SUBSTANCES USING EDTA-TITRIMETRIC METHOD AND FLAME ATOMIC ABSORPTION SPECTROMETRIC METHOD</p>	<p>HLT 09 Emejulu, A. A FREE RADICAL SCAVENGING AND ANTIOXIDANT PROPERTIES OF <i>Picralima nitida</i> ETHANOL SEED EXTRACT</p>	<p>HLT 36 Elefe, Ruth G. and Mbah, Chika J. DEGRADATION KINETICS OF EFAVIRENZ AND SPARFLOXACIN IN AQUEOUS SOLUTION: INFLUENCE OF COSOLVENTS AND SURFACTANTS</p>
	<p>ENG 11 C.K.Olotoet et al.:</p>	<p>ENG 43 P. O. Offor et al.:</p>	<p>ENV 12 Ekeh FN</p>	<p>HLT 11 Eze, C.O</p>	

	Design and Implementation of Arduino based Solar PV Buck Converter for Charging Smart devices battery.	Effect of concentration of trisodium citrate complexing agent on the properties of zinc sulphide thin films deposited using chemical spray pyrolysis	HISTOPATHOLOGICAL EFFECTS OF ETHANOLIC LEAF EXTRACT OF <i>TERMINALIA CATAPPA</i> ON <i>CLARIAS GARIEPINUS</i>	Immunomodulatory effects of Fructophilic Lactic acid bacteria <i>Fructobacillusdurionis</i> Isolated from Palm tree (<i>Elaeisguineensis</i>) Sap (Palm wine)	
	ENG 13 C. AUGUSTINE^{1,2*} and M.N. NNABUCHI² INFLUENCE OF LEAD ION (Pb ²⁺) CONCENTRATION ON THE OPTICAL AND SOLID STATE PROPERTIES OF CHEMICALLY DEPOSITED Mn ₃ O ₄ /Pb _{1-x} S CORE-SHELL THIN FILMS	ENG 46 P.N. KANU <i>et al.</i>: EFFECT OF ZnO NANOPARTICLES ON THE OPTICAL BAND GAP OF ANNEALED CeO ₂ THIN FILM DEPOSITED BY CHEMICAL BATH METHOD	ENV 17 Mfoniso U. Aka Evaluation of Shale Volume and Effective Porosity Using Larionov and Archie Equations from Wire-Line Logs, Niger Delta Nigeria	HLT 16 Maureen OgochukwuAkunne^a ASSESSMENT OF PHARMACOEPIDEMIOL OGY OF ANTIRETROVIRAL DRUGS IN IN A UNIVERSITY HOSPITAL OF ENUGU STATE	
	ENG 16 Edward Anoliefoet <i>al.</i>: Exploration on the Failure Mechanism of Solar Street Lights	ENG 50 S.O. Onyishi^{1,3*} and M.N.Nnabuchi^{1,2} Effects of Concentration on Structural, Morphological and Optical Properties of Electrodeposited CdO-MnO Thin Films	ENV 19 J. Foba-Tendo Goethite FunctionalisedCyclodextrin Nanosponge for the Removal of Organic and Inorganic Contaminants from Drinking Water	HLT 19 Momoh A. Mumuni, HPMCS surface-modified mucinated-PEG nanoparticles development: Application in oral insulin delivery	
	ENG 20 Ezegwui and Njoku Development and Performance Evaluation of an Autonomous Self-cooled PV/T Solar Air Heater	ENG 51 S.O. Onyishi^{1,3*} and M.N.Nnabuchi^{1,2} EFFECTS OF CONCENTRATION ON THE OPTICAL PROPERTIES OF DYE-SENSITISED ANTIMONY SULPHIDE (Sb ₂ S ₃) THIN FILMS	ENV 21 Nwoke and Okonkwo Application of Nanomaterials for Remediation of Wastewater and Non Point Pollution Control	HLT 23 O.N.C. Umeh EFFECT OF CROSS-LINKING AGENTS ON THE PHYSICAL AND RELEASE CHARACTERISTICS OF IBUPROFEN LOADED ALGINATE BEADS	

POSTER SESSION (B)
DAY THREE: TUESDAY, JULY 17, 2018

<p>ENG 22 C. G. Ezema^aet al.: Comparative Photoelectrochemical (PEC) study of TiO₂ using SILAR and hydrothermal methods</p>	<p>ENG 52 Umeokwonna N.S*¹ and A.J. Ekpunobi Effect of deposition time on the optical properties of Cobalt doped Cadmium oxide nanofilms deposited by electrodeposition method</p>	<p>ENV 23 Oparaji EH Impact Assessments on Heavy Metals and Polycyclic Aromatic Hydrocarbons in Some Selected Aquatic Faunas from Eleme Rivers, Rivers State</p>	<p>HLT 24 OBARISIAGBON I.C. IMPACT OF GENETICALLY MODIFIED FOODS ON HUMAN HEALTH (A REVIEW)</p>	<p>HLT 29 Ogidigo, J Oet al.: <i>In Silico</i> Molecular Docking and pharmacokinetic studies of some selected Phyto-Constituents of <i>Byrophyllumpinnatum</i> as a Potential Selective Inhibitor of Monoamine Oxidase –B (MAO-B)</p>
<p>ENG 23 ¹Ezenwa I. Aet al.: Deposition and Optical Characterization of NiO Thin Films Fabricated By Chemical Bath Method</p>	<p>ENG 62 Agbo, P.Eet al.: On the Optical Properties of Dye sensitized ZnSe Thin Films for Device Applications</p>	<p>ENV 24 Lawaland Aisida¹ Evaluation of Radiological Hazard indices in soil samples from the different source term</p>	<p>HLT 25 OBARISIAGBON I.C. COMPARATIVE CHARACTERIZATION OF OIL PRODUCED FROM SOYBEAN OIL AND TIGER NUT</p>	<p>HLT 40 U. Nwankwo^aet al.: Stable Single Phase Rutile-TiO₂ derived from Chitin at low Temperature for Multifunctional Environmental Purification and Applications</p>
<p>ENG 24 Ezeonu S.O, Nweze C.I and Ogonnaya E.C ELECTRICAL AND STRUCTURAL PROPERTIES OF POLYSTYRENE/MWCNT COMPOSITES</p>	<p>ENG 63 C.C. Okorieimoh et al.: The Effect of Deposition Time on Complexed and Non-complexed Fe Doped MnO Films Synthesized by Chemical bath Deposition Technique.</p>	<p>ENV 26 Sulaiman M.B.* Environmental Nanotechnology its Applications and Ecological Implications</p>	<p>HLT 31 Okoye, E. C Effect of Ricebean Flour on the Proximate and Sensory Properties of ‘‘Ojojo’’- Water Yam Ball</p>	<p>HLT 41 Udumoh, Anietie Franciset al.: Light and transmission electron microscopic assessment of the ileal mucosa of Nigerian indigenous chicken</p>
<p>ENG 30 J. U. Arikpo& M. U. Onuu GRAPHENE GROWTH AND CHARACTERIZATION: ADVANCES, PRESENT CHALLENGES AND PROSPECTS</p>	<p>ENG 34 M. D. Tyona THE ROLE OF COPPER IMPURITIES IN THE ENHANCEMENT OF PV PROPERTIES OF COPPER DOPED ZINC OXIDE (CZO) ELECTRODES</p>	<p>ENV 29 UHAMA and IFEMEJE ASSESSMENT OF POLLUTION LEVELS OF SOME HEAVY METALS IN SOIL AND FOOD CULTIVARS FROM COAL MINING</p>	<p>HLT 32 Onyekwelu, C. N. PROXIMATE COMPOSITION AND SENSORY EVALUATION OF MIXED JUICE FROM <i>COLA PARCHYCARPA</i> AND WATERMELON</p>	<p>HLT 45 JIMMY TAMBARIet al.: EVALUATION OF RADIOPROTECTIVE POTENCY OF LYCOPERSI C ON ESCU LENT U M (LE) ON RADIATION-</p>

			ENVIRONMENT OF UDI, AKWUKE AND NGWO COMMUNITIES OF ENUGU STATE, NIGERIA		INDUCED CYTOLYSIS IN ALBINO RATS
	ENG 03 D. O. Okoroh The role of polymer coating and annealing on the morphology and magnetic properties Zinc ferrite nanoparticles	ENG 40 O. G. NWANKWO and ²A. L. OZOBIALU INTERVENTION OF NANOTECHNOLOGY IN SOLAR ELECTRICITY PRODUCTION	ENV 08 Collins E.O Risk Assessment on the consumption of edible Vegetable <i>Talinumtriangulare</i> grown on sewage dump site in University of Nigeria, Nsukka.	HLT 03 Anyanwu, G. O et al.: IMPACT OF ZINC OXIDE NANOPARTICLES ON THE GROWTH AND ANTIOXIDANTS OF ABELMOSCHUS ESCULENTUS VAR. CLEMSON SPINELESS	HLT 46 NWAKAEZE, EMMANUEL. Aet al.: ANTIBACTERIAL SUSCEPTIBILITY PATTERN OF <i>MORINGA OLIFERA</i> EXTRACT SUPPLIMENTED WITH SILVER NITRATE AS A NANOMATERIAL AGAINST SELECTED BACTERIA PATHOGENS COLLECTED FROM FEDERAL TECAHING HOSPITAL ABAKALIKI (FETHA), EBONYI STATE. NIGERIA
	ENG 04 Ajah, S. A Thermal performance modeling of a PCM- Augmented Trombe wall system.	Ocheri C¹,Madu Solomon Chijoke² ENG 42 NOVEL MATERIALS FOR SUSTAINABLE ENERGY APPLICATIONS	ENV 09 Collins U. Ugokwe Microplastics as Contaminants in Aquatic Environment	HLT 07 Diovu, E. Oet al.: Pharmacognostic profile of the plant <i>Acanthus montanuslinn(Acanthaceae)</i>	
	ENG 29 Ismaila Zarma Performance evaluation of concentrator photovoltaic systems using a Nano- enhanced phase change material heat sink	P. O. Offor Effect of concentration of trisodium citrate complexing agent on the properties of zinc sulphide thin films deposited using chemical spray pyrolysis.	ENV 31 Sulaiman, M.B Prevention of Environmental Pollution using Nanotechnology	ENV 32 Nwadike, Ugochukwu G. E. M., Ubani, Chibuike S THE EFFECT OF HEAVY METALS CONTENT OF POME ON GERMINATING <i>ZEA MAYS</i>	33
POSTER SESSION (C)					

DAY FOUR: WEDNESDAY, JULY 18, 2018

	DAY FOUR: WEDNESDAY, JULY 18, 2018				
	<p>ENG 05 Akwolu, R Influence Of Variation Cycles On Manganese Oxide Thin Film Synthesis Using SILAR Method</p>	<p>ENG 44 Otokpa, D.O RELEVANCE OF NANOTECHNOLOGY IN RENEWABLE ENERGY SECTOR FOR SELF REIANCE AND SUSSTAINABLE DEVELOPMENT IN AFRICA</p>	<p>ENV 13 Hassan A.B PERFORMANCE TEST OF A LOCALLY BUILT PHASER PAIN FIELD GENERATOR AS HUMAN AND RODENT INTRUDER DETERRENT DEVICE</p>	<p>HLT 10 Eze, C. Met al.: PROXIMATE COMPOSITION AND SENSORY CHARACTERISTICS OF STIRRED YOGHURT INCORPORATED WITH GRADED LEVELS OF TURMERIC (<i>Curcuma longa</i>)</p>	<p>HLT 47 Olikagu C.Set al.: Antioxidant, Antimicrobial, Catalytic and Electrochemical Properties of <i>Ocimumgratissimum</i> Leaves Extract Biosynthesized Silver Nanoparticles</p>
	<p>ENG 07 Asogwa C. D THE EFFECT OF DEPOSITION CYCLES ON COBALT SULPHIDE THIN FILM SYNTHESIZED BY SUCCESSIVE IONIC LAYER ADSORPTION AND REACTION</p>	<p>ENG 47 ISI P.O¹ OPTICAL AND ELECTRICAL PROPERTIES OF DYE SENSITIZED SOLAR CELLS FABRICATED USING KOLA NUT DYE</p>	<p>ENV 14 M.A. Umar SILVER NANO PARTICLES MODIFIED AGBABU NATURAL BITUMEN: FOURIER TRANSFORM INFRARED SPECTROSCOPIC STUDY OF PHYSICAL AND FLOW PROPERTIES</p>	<p>HLT 12 Gugu Thaddeus Het al.:<i>In vitro</i> and <i>In vivo</i> studies of the interactions of levofloxacin Hcl, and erythromycin ethylsuccinate with water yam (<i>dioscoreaalatalinn</i>)</p>	<p>HLT 49 Otitoju, G.T.Oet al.: PUBLIC HEALTH IMPLICATIONS OF MATERNAL OBESITY AND EXCLUSIVE BREASTFEEDING</p>
	<p>ENG 09 Benjamen O. Onwurah Synthesis and Characterization of LiNaSO₄ at different pH level as a Thermoluminescence phosphor</p>	<p>ENG 48 Ijeh R.O Structural, Optical and Magnetic Properties of Co Doped Nickel Oxide Thin Films Prepared by Electrodeposition Technique</p>	<p>ENV 15 IWEZOR and DIM NANOTECHNOLOGY: APPLICATION IN HYDROCARBON EXPLORATION AND PRODUCTION</p>	<p>HLT 13 IBEANU, F. Net al.: SYNTHESIS,CHARACTE RIZATION, AND ANTIMICROBIAL PROPERTIES OF NOVEL HALOGENOAZABENZO[a]PHENOTHIAZINONES VIA BUCHWALD-HARTWIG METAL-CATALYZED CROSS COUPLING TANDEM REACTIONS.</p>	<p>HLT 50 Otitoju, G.T.Oet al.: THE ROLES OF NUTRITION IN THE FIRST 1,000 DAYS OF A CHILD'S LIFE</p>

	<p>ENG 12 Ugbo, C. Franca Synthesis and Characterization of Manganese Sulfide Thin Films Deposited using Successive Ionic Layer Adsorption and Reaction (SILAR) Method.</p>	<p>ENG 54 Obaseki O.S FT-IR SPECTROSCOPIC STUDIES ON SIX NATURAL DYE EXTRACTS FOR DYE SENSITIZED SOLAR CELLS APPLICATION</p>	<p>ENV 16 Jonathan IkechukwuOdo LONG RANGE DATA HARVESTING SYSTEM FOR ENVIRONMENTAL MONITORING APPLICATIONS</p>	<p>HLT 14 IbezimAkachukwu, et al.: Target-base Search for Inhibitors of Anti-<i>Schistosoma</i> Drug Targets</p>	
	<p>ENG 14 Chukwumaobi K. Oluah Transient Finite Element Performance Analysis of a Three-stage Solar Still</p>	<p>ENG 58 AkpenGbashima Elijah SYNTHESIS AND CHARACTERIZATION OF CADMIUM OXIDE/ZINC OXIDE HETEROJUNCTION THIN FILMS BY SUCCESSIVE IONIC LAYER ADSORPTION AND REACTION (SILAR) METHOD</p>	<p>ENV 18 Muhammad ShafiuShehu Seasonal and Solar Radiation Impact Analysis of the Outdoor Atmospheric Aerosols (PM2.5, SO2 And CO) In Abuja, Nigeria</p>	<p>HLT 15 John N. Ogbonna et al.: Physicochemical evaluation of some natural polymers</p>	
	<p>ENG 17 EGWIM E. C.*1 AND KALU A.O NANO-GRAPHENE OXIDE; CURRENT TRENDS AND FUTURE ADVANCES</p>	<p>ENG 59 Madeleine C. Nwankwo ELECTROCHEMICAL SUPERCAPACITIVE PROPERTIES OF SILAR-DEPOSITED GO/Mn₃O₄ NANOCOMPOSITE THIN FILM ELECTRODES.</p>	<p>ENV 22 OdoLivinus O ON THE OPTICAL PROPERTIES OF CHEMICALLY DEPOSITED ZINC SULPHIDE THIN FILMS DOPED WITH LEAF EXTRACT (DYE) OF DEAD NETTLE (<i>URTICA DIOCA</i>)</p>	<p>HLT 22 NWONU P. C NANOSCIENCE ANY USE IN GREEN NANOTECHNOLOGY</p>	
	<p>ENG 19 Ernest I. Obeta¹ SYNTHESIS AND CHARACTERIZATION OF BISMUTH SULPHIDE THIN FILMS BY</p>	<p>ENG 60 Ugochi K. Chime Optical framework of Copper Zinc Tin Sulfide (CZTS) at different concentration of copper using chemical bath deposition method.</p>	<p>ENV 27 T.I. Imalerio Performance of Electroactive Mass from Used Lead Acid Batteries</p>	<p>HLT 27 O. N. Iloanusiet al.: Prospects and Challenges of Machine learning based Research in Bioinformatics: The Case for Africa</p>	

	CHEMICAL BATH DEPOSITION METHOD				
	ENG 21 Ezekoye Veronica Optimization of methane production by anaerobic digestion of plant wastes RUNNING TITLE: BIODEGRADATION OF WASTES FOR OPTIMAL BIOGAS PRODUCTION		ENV 28 U. G. Azubuike Optimum Tilt Angles for Irradiated Surfaces in Nigeria: Predictions based on the Perez et al Model	HLT 28 OGHARANDUKUN Martin Oshof Manpower Development for Sustainable and Safe Radiotherapy Practice in Nigeria	44

*****PLEANARY SPEAKERS FOR AUGUST SESSION**

16.00 – 16.40	Prof. Dr. David Díaz Díaz ^{1,2}	INV 06 Multifunctional Materials: From Adhesives to Nanostructured Gels
16.40 – 17.20	Victoria A. Jideani	INV 17 Integrating Text Mining, Data mining and Network Analysis for Identifying Starch Nanoparticle Trends
15.20 – 16.00	Afam I. O. Jideani, PhD	INV 25 Application of cereal bran in developing nano material with potential health benefits