

TECHNICAL PAPERS

TECHNICAL SESSIONS PROGRAM DAY 1 – TRACK 1

08.30 – 11.00 Hours & 14.00 – 16.00 Hours

Venue: Presentation Room 1

Track1: Economics of secularity enhancement in E-waste management

Session : TS 1

Chair Persons: Prof Raymond A. Wuana (raywuana@yahoo.com; 08066645047) Morning

Prof Ajani (ola.ajani@covenantuniversity.edu.ng; 08061670254) Afternoon

Abstract ID	Paper Title	Authors and Affiliation	Time
60	ELECTRONIC WASTE MANAGEMENT IN NIGERIA: POLICY, CHALLENGES AND PROSPECTS.	Tina Isichei Petroleum Training Institute, Effurun.	08.30 - 08.45
164	Removal of Silver and Cadmium From Industrial Waste Water Using Chemically Modified Palm Kernel Shells.	EGEMBA, CHINENYE CHIDIOGO DR. ONWUKEME, VALENTINE IFENNA NNAMDI AZIKIWE UNIVERSITY, AWKA, ANAMBRA STATE, NIGERIA 1)NNAMDI AZIKIWE UNIVERSITY, AWKA, ANAMBRA STATE, NIGERIA. 2)CHEMICAL SOCIETY OF NIGERIA.	08.45 - 09.00
197	REDUCTION OF N,N ² -PHENYLENEBIS-(SALICYLIDENEIMINATO)MANGABESE(III) BY THIOGLYCOLIC ACID IN MIXED AQUEOUS MEDIUM: A KINETIC STUDY	I. Ibrahim S.O. Idris I. ABDULKADIR A.D. Onu Department of Chemistry, Ahmadu Bello University Zaria-Nigeria Department of Chemistry, Ahmadu Bello University Zaria-Nigeria Department of Chemistry, Ahmadu Bello University Zaria-Nigeria Department of Chemistry, Federal College of Education, Zaria-Nigeria	09.00 - 09.15
199	Synthesis of a Soluble Anionic Porphyrin and the Effect of Metal Ions on its Photoluminescence and UV-Visible Spectra for Detection of Hg(II), Cd(II), Pb(II), Cu(II), Fe(III), Zn(II) in Water	Gabriel Kehinde Obiyenwa Federal University Lokoja, Lokoja Nigeria	09.15 - 09.30
203	Determination Of Some Heavy And Precious Metals From Printed Circuit Board (Pcb) From A Television Set By Atomic Absorption Spectrophotometer	Gbarakoro Siganebari Lesor Konne, J. L.	09.30 - 09.45
Track 1: E-Waste to wealth opportunities			
11	lignocellulose of oil bean pod (E-WASTE) as a material for heavy metal extraction	Nsude Okechukwu Enugu State University of Technology, Enugu, Nigeria	09.50 - 10.05
20	Evaluation of the Physicochemical and Geoelectric parameters of Soil and Water Around Electronic Dumpsites and the Possible Hazards in Selected Locations of Aba	Okeke, Pamela I Nwugha, Victor N. Nleonu Emmanuel C Ngozi-Olehi, Linda C. Alvan Ikoku Federal College of Education Alvan Ikoku Federal College of Education Federal Polytechnic Owerri Alvan Ikoku Federal College of Education	10.05 - 10.20
25	Potential of the Antimicrobial Activity of 4-[3-(4-methoxyphenyl)-allylideneamino]-1,5-dimethyl-2-phenylpyrazol-3-one by Metal Chelation	Aguzue Onyinye SHESTCO	10.20 - 10.35

Abstract ID	Paper Title	Authors and Affiliation	Time
32	Effort to Reduce E-Waste Through Research in Biotechnology, Industrial Innovations	Odidi Okpo Donald Ehis Iyoha Esohe Edoma Ethel Ekama Dauda Ochawu Momoh Chimekwene Patrick Chinedu Okoh Kenneth Agofure Elo Philomena Rubber Research Institute of Nigeria, Benin City. University of Benin, Benin City, Nigeria	10.35 - 10.50
47	SYNTHESIS AND CHARACTERIZATION OF SOME METAL COMPLEXES OF 2-(3-PHENYLALLYLIDENE)THIOSEMICARBAZIDE.	Aguzue Onyinye SHESTCO	10.50 - 11.05
48	CHARACTERIZATION OF SCHIFF BASE LIGANDS FROM CINNAMALDEHYDE SYNTHESIZED USING MECHANOCHEMICAL METHOD.	Aguzue Onyinye SHESTCO	11.05 - 11.20
67	PRELIMINARY INVESTIGATION ON THE SYNTHESIS AND CHARACTERIZATION OF SALICYALDEHYDE VALERIC ACID HYDRAZONE COMPLEXES OF Mn (II), Ni (II) AND Cu (II) SULPHATE	Emmanuel Stella Adedunni + Adedirin Oluwaseye + Sallau Alhasan Chemistry Advanced Research Center, Sheda Science and Technology Complex-Abuja	11.20 - 11.35
72	Removal of Cr(II) and Cd(II) from Wastewater Using Activated and Unactivated Carbon Derived from the Bark of Amrona senegalensis	Obigwa Patrick Agada + Adedirin Oluwaseye + Useh Mercy Uwem + Fagbohun Adebisi Akinyemi Chemistry Advanced Research Center, Sheda Science and Technology Complex-Abuja	11.35 - 11.50
WRAP UP AND LUNCH BREAK (12.00 – 13.50)			
73	Responsible End-Of-Life Management of E-Waste in Nigeria as a Panacea to Its Multiple Health Hazards: A Review	Okoye, Nkechi Helen Department of Pure and Industrial Chemistry, Nnamdi Azikiwe University, Awka	14.00 - 14.15
89	ESTIMATION OF ENERGY POTENTIAL OF PELLETIZED MUNICIPAL SOLID WASTES FROM EBONYI STATE DUMPSITE IN NIGERIA	Anaekwe, Nicholas Ogbonna Department of Chemistry, Alex Ekwueme Federal University, Ndufu-Alike, Ebonyi State	14.15 - 14.30
213	PROXIMATE ANALYSIS, MINERAL COMPOSITION AND PHYTOCHEMICAL ANALYSIS OF KOLA NITIDA, KOLA ACUMINATA AND KOLA GARCINIA	Musa Runde Mohammed H. Shagal Oliver N. Maitera Philomina S. Chinemerem National Open University of Nigeria Modibbo Adama University of Technology, Yola	14.30 - 14.45
Track1: Health implications of E-Waste			
35	The Health Hazards of E-Waste	Odidi Okpo Donald Ehis Iyoha Esohe Edoma Ethel Ekama Dauda Ochawu Momoh Chimekwene Patrick Chinedu Okoh Kenneth Agofure Elo Philomena Rubber Research Institute of Nigeria, Benin City. University of Benin, Benin City, Nigeria	14.45 - 15.00
38	HEAVY METALS LEACHING FROM REFRIGERATING APPLIANCES WASTE IN LAWANSON DUMPSITE AND THE EFFECT ON GROUNDWATER QUALITY	Aeneas Nerbert Ultieno Bello Adunola Abosede Omole Oluwafemi Akinsola Nwauzor Gloria O Ugoh Uchechi Adepoju Oluwafunke Blessing Tari Joel Honda Federal Institute Of Industrial Research, Oshodi, Lagos, Nigeria National Center For Technology Management (Nacetem) Mautec, Yola, Adamawa State, Nigeria	15.00 - 15.15

Abstract ID	Paper Title	Authors and Affiliation	Time
144	Concentration and health risk assessment of trace metals in soil of E-waste dumps in Gombe, Nigeria	M. B. Sulaiman A. M. Gimba B. A. Sulaiman A. Ahmed N. M. Gaila Department of Pure and Industrial Chemistry, University of Nigeria, Nsukka, Enugu State, Nigeria Department of Science Laboratory Technology, Gombe State Polytechnic Bajoga, Gombe State, Nigeria Department of Pure and Applied Chemistry University of Maiduguri, Borno State, Nigeria Department of Science Laboratory Technology, Federal Polytechnic Mubi, Adamawa State, Nigeria Department of Materials Science and Technology, Federal Polytechnic Mubi, Adamawa State, Nigeria	15.15 - 15.30
178	EFFECT OF MOLECULAR SIZE ON PLASTICIZING EFFICIENCY OF SOME TRIALKYL CITRATES IN PLASTICIZED PVC ELECTRICAL AND ELECTRONICS EQUIPMENT	Hamza Abba Department of Chemistry, Ahmadu Bello University, P.M.B.1045, Zaria-810006, Nigeria	15.30 - 15.45
Track1: Management of E-Waste: Recycling			
5	E-WASTE MANAGEMENT AND ITS IMPACT ON NIGERIAN DWINDLING ECONOMY	Ndidiama H Okorie Samuel W. Gadzama Charles O Nnadi Ibeabuchi J Ali Faculty of Pharmaceutical Sciences, Enugu State University Science and Technology, Nigeria Scientific Equipment development institute, an arm of the National Agency for Science and Engineering infrastructure. (NASENI), Abuja Faculty of Pharmaceutical sciences, University of Nigeria, Nsukka, Nigeria Faculty of Pharmaceutical Sciences, Enugu State University Science and Technology, Nigeria	15.50 - 16.05
34	Poor E-Waste Disposal Practices in Africa and the Attendant Consequent Negative Effects on the Environment.	Odidi Okpo Donald Ehis Iyoha Esohe Edoma Ethel Ekama Okoh Kenneth Dauda Ochawu Momoh Chimekwene Patrick Chinedu Agofure Elo Philomena Rubber Research Institute of Nigeria, Benin City University of Benin, Benin City, Nigeria	16.05 - 16.20
115	SOLID WASTE MANAGEMENT WITHIN THE CONTEXT OF SUSTAINABLE DEVELOPMENT: A CASE STUDY OF RUKUBA MILITARY BARRACK, PLATEAU STATE, NIGERIA	MM Namadi Chemistry Department, NDA, Kaduna	16.20 - 16.35

TECHNICAL PAPERS

TECHNICAL SESSIONS PROGRAM DAY 1 – TRACK 2

08.30 – 11.00 Hours & 14.00 – 16.00 Hours

Venue: Presentation Room 2

Track2: Analytical and environmental chemistry

Session : TS 2

Chair Persons: Prof. Abdulsalaam Nasiru (Nasalami2002@yahoo.co.uk; 08033950752) Morning

Prof. Alfred Onen (alfredonen@yahoo.com; 08059727969) Afternoon

Abstract ID	Paper Title	Authors and Affiliation	Time
3	ACID MODIFIED BIOMASS FOR METHYL VIOLET 10B SEQUESTRATION	Enebi Estella Jasper Jude Chinedu Onwuka Victor Olatunji Ajibola Department of Applied Chemistry, Kaduna Polytechnic, Kaduna Department of Science Laboratory Technology, Federal University Lafia, Nasarawa State. Department of Chemistry, Ahmadu Bello University, Zaria.	08.30 - 08.45
7	SORPTION KINETICS AND THERMODYNAMICS STUDIES OF MODIFIED AND UNMODIFIED MILLET CHAFF ON AQUEOUS SOLUTIONS OF CADMIUM II IONS	Ikechukwu Ogadimma Alisi Muhammad Suleiman Darma Sadauki Hamisu Garba. Federal University Dutsin-Ma, Katsina State, Nigeria. Federal University Dutsin-Ma, Katsina State, Nigeria. Federal University Dutsin-Ma, Katsina State, Nigeria.	08.45 - 09.00
13	UPTAKE OF HEAVY METALS BY PLANTS AT ELECTRONIC DUMPSITES IN LAGOS STATE, NIGERIA	D.r E.A. Ofudje Mountain Top University, Nigeria	09.00 - 09.15
16	Determination of Selected Heavy Metals from Human Hair in City centre and Mararaba Area of Lafia, Nasarawa State- Nigeria	A.U Augustine T.M Akpomie B Ishaq I. E Akawe Department of Chemistry, Faculty of Science, Federal University of Lafia, P.M.B. 146, Lafia-Nigeria	09.15 - 09.30
19	Atmospheric volatile halogenated hydrocarbons around e-waste sites in Lagos, Nigeria: Characterization, levels and Health implications	Gbenga Emmanuel OLUMAYEDE Federal University Oye-Ekiti	09.30 - 09.45
36	ASSESSMENT OF TOXICITY OF LEACHATE FROM AN UNLINED LANDFILL WITHIN LAGOS METROPOLIS	Bello Adunola Aboosedo Omole Oluwafemi Akinsola Aeneas Nerbert Ultieno Nwauzor Gloria O Ugoh Uchechi Adepoju Oluwafunke Blessing Tari Joel Honda Federal Institute Of Industrial Research, Oshodi, Lagos, Nigeria National Center For Technology Management (NACETEM) MAUTEC, Yola, Adamawa State, Nigeria	09.45 - 10.00
37	ACCUMULATION OF HEAVY METALS IN VEGETABLES GROWN IN THE COASTAL CITY OF LAGOS USING CANALAS IRRIGATION SOURCE	Bello Adunola Aboosedo Omole Oluwafemi Akinsola Aeneas Nerbert Ultieno Nwauzor Gloria O Ugoh Uchechi Adepoju Oluwafunke Blessing Tari Joel Honda Federal Institute Of Industrial Research, Oshodi, Lagos, Nigeria National Center For Technology Management (NACETEM) MAUTEC, Yola, Adamawa State, Nigeria	10.00 - 10.15

Abstract ID	Paper Title	Authors and Affiliation	Time
44	Appraisal of Heavy Metal Contents in Fruits and Vegetables from three Markets in Anambra State	Uche Eunice Ekpunobi Fabian Mmadueke Onyekwere Rosemary Uche Arinze Daniel N Enenche Daniel Omokpariola Pure and Industrial Chemistry Department, Faculty of Physical Sciences, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria.	10.15 - 10.30
45	Evaluation of Heavy Metal Concentrations in Soil around Old and New Dumpsites, in Osogbo Metropolis, Osun State, Nigeria	Gbadebo Clement Adeyinka Fatai Afolabi Babatunde Femi Bakare Department of Chemical Engineering, Mangosuthu University of Technology, Umlazi, South Africa Applied Sciences Department, Faculty of Science, Osun State Polytechnic, Iree, Osun State, Nigeria Department of Chemical Engineering, Mangosuthu University of Technology, Umlazi, South Africa	10.30 - 10.45
49	DETERMINATION OF SOME PHYSICOCHEMICAL PARAMETERS OF SOIL SAMPLES COLLECTED FROM SOME LOCAL GOVERNMENT AREAS OF JIGAWA AND KANO STATES NIGERIA	NURA MUHAMMAD BELLO Federal University Lokoja	10.45 - 11.00
50	Al-Fe LAYERED HYDROXIDE WITH BENTONITE CLAY AND APPLICATION FOR THE REMOVAL OF DYE	Fatima Gambo Suraj Department of Chemistry, Umaru Musa Yar'adua University, Katsina. P.M.B. 2218. Along Dutsinma Road, Katsina.	11.00 - 11.15
51	Reuse of Agrowaste in Wastewater Treatment: A Case Study of Methylene blue Removal in Single and Binary Systems	Abdur-Rahim Giwa Isah Bello Deborah Aderibigbe Department of Pure and Applied Chemistry, Ladoke Akintola University of Technology, Ogbomosho, Nigeria Department of Pure and Applied Chemistry, Ladoke Akintola University of Technology, Ogbomosho, Nigeria School of Basic Sciences, Nigeria Maritime University, Okerenkoko, Nigeria	11.15 - 11.30
55	Chemical Monitoring and Spatio-Temporal Variations in Concentration Levels of Phenolic Compounds in Surface Water	1Hussein K, Okoro, Adedeji Victor, 2Muyiwa M. Orosun 1. Environmental-Analytical & Material Research Group, Department of Industrial Chemistry, Faculty of Physical Sciences, P.M.B. 1515, University of Ilorin, Ilorin, Republic of Nigeria. 2. Department of Physics, Faculty of Physical Sciences, P.M.B. 1515, University of Ilorin, Ilorin, Nigeria.	11.30 - 11.45
WRAP UP AND LUNCH BREAK (12.00 – 13.50)			
56	Formulation of Mosquito Repellent Moisturising Cream Using the Oil Extract of Azadirachta Indica (Neem) Seed	Gushit John Nneji Oluchi Department of Chemistry, University of Jos Department of Chemistry, University of Jos	14.00 - 14.15
61	Analysis of Polycyclic Aromatic Hydrocarbon in Roasted Chicken in North Central Nigeria.	Dr. Yahaya, Abdulrazaq Department of Pure and Industrial Chemistry Kogi State University, P.M.B. 1008. Anyigba, Kogi State.	14.15 - 14.30
62	OPTIMIZED RAPHIA FARINIFERA INFLORESCENCE AS ENVIRONMENTAL E-WASTE NOVEL ADSORBENT	EMMANUEL AGBOEZE ENUGU STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY	14.30 - 14.45

Abstract ID	Paper Title	Authors and Affiliation	Time
66	Sorption Efficiencies of Rice Husk and Periwinkle -Based Silica for Pesticides in Aqueous Media	Akinyele A. B. Okoya A. A. Asubiojo F. O. I Department of Pure and Industrial Chemistry, Nnamdi Azikwe University, Awka, Anambra State, Nigeria Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, Nigeria Department of Chemistry, Obafemi Awolowo University, Ile-Ife, Nigeria	14.45 – 15.00
70	Determination of Levels of Concentration of Natural Radionuclides , Anions and Cations in Water and Sediments around Iron-Smelting Industry, Ikirun, Osun-State, Nigeria.	Okoya Aderonke A. Oginni Samuel A. Awofisayo Olariike F. Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, Nigeria Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, Nigeria Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, Nigeria	15.00 – 15.15
83	New approach to remediation of heavy metal pollutants from wastewater and sediment using <i>Senna occidentalis</i> plant and quail eggshell materials.	Rabiat University of Jos	15.15 – 15.30
85	Characterisation and Treatment of Storm Water using <i>Moringa oleifera</i> seed Powder	Dr. Egbon E.E. Ambrose Alli University, Ekpoma	15.30 – 15.45
86	Speciation Distribution of Toxic Metals in Dutsen-Soyaya Shooting Range soil within the Nigerian Army Base Camp, Kachia, Kaduna State.	Aghanwa, Charles Ifeanyi and Nwaedozi, Jonathan Maduka Nnamdi Azikiwe University, Awka, Anambra State, Nigeria.	15.50 - 16.05
88	POTENTIAL RISK ASSESSMENT OF HEAVY METALS IN E-WASTE (RECHARGEABLE TOUCH LIGHT) FOUND ON KOGI STATE UNIVERSITY DUMPSITE	Salifu Oma Usman Ameh Mark Onoja Alexander David Department of Chemistry, Kogi State University, Ayangba. Kogi State, Nigeria.	16.05 - 16.20
94	Developing sustainable innovation from maize biomass for remediation of soil and water polluted by e-wastes. Case Study: The evacuated Njoku landfill site at Owerri, Imo State, Nigeria	Margaret Chinyelu Enedoh Edbert Chidi Duru	16.20 - 16.35

TECHNICAL PAPERS

TECHNICAL SESSIONS PROGRAM DAY 1 – TRACK 2

08.30 – 11.00 Hours & 14.00 – 16.00 Hours

Venue: Presentation Room 3

Track2: Industrial chemistry

Session : TS 3

Chair Persons: Prof. S. H. O. EGBOH (sunnyegboh@gmail.com; 08036006365) Morning
 Prof. C. E. Gimba (08037032495) Afternoon

Abstract ID	Paper Title	Authors and Affiliation	Time
22	Extraction, isolation and physicochemical characterization of Dioscorea dregeana (kunth) root starch	Afolayan Michael Olajide Olutayo Adebiyi Adedayo Enemali Isaac Adedirin Oluwaseye Chemistry Advanced Research Centre, Sheda Science and Technology Complex (SHESTCO) University of Abuja	08.30 - 08.45
27	Preliminary Studies on the Physicochemical Properties of Fractions of Sheabutter	Dr. Idoko Owoicho Dr. Stella Emmanuel Dr. Onyinye Aguzue Dr. Olajide Olutayo SHEDA Science And Technology Complex, FCT, ABUJA	08.45 - 09.00
39	SUITABILITY OF UNDERUTILIZED SEED OIL OF HURA CREPITANS IN LAUNDRY SOAP PRODUCTION	Aeneas Nerbert Ultieno Bello Adunola Abosede Omole Oluwafemi Akinsola Nwauzor Gloria O Ugoh Uchechi Adepoju Oluwafunke Blessing Tari Joel Honda Federal Institute Of Industrial Research, Oshodi, Lagos, Nigeria National Center For Technology Management (Nacetem) Mautec, Yola, Adamawa State, Nigeria	09.00 - 09.15
78	THERMAL STABILITY OF RUBBER SEED OIL BASED POLYURETHANES	I. O. Bakare ¹ F. E. Okieimen A.I. Aigbodion E.O. Obazee F. U. Mohammed Rubber Research Institute of Nigeria, P.M.B. 1049, Benin City 300001, Edo State Department of Chemistry and Center for Biomaterials Research, University of Benin, Benin City 300001, Nigeria	09.15 - 09.30
90	SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL STUDIES OF SOME STRONTIUM-HYDRAZONE COMPLEXES	J. A. Aremu A. K. Akinlabi Department of Chemistry, College of Physical Sciences, Federal University of Agriculture, Abeokuta, Nigeria Department of Chemistry, College of Physical Sciences, Federal University of Agriculture, Abeokuta, Nigeria	09.30 - 09.45
107	STUDY OF THE DISSOLUTION OF COPPER FROM A NIGERIAN SIDERITE RICH CHALCOPYRITE ORE FOR INDUSTRIAL APPLICATION	OMONIYI, Kehinde Israel CHINDO, Shemang Yohanna AGBAJI Edith Bolanle DALATU, Yakubu BABA, Abdullahi Alafara Department of Chemistry, Ahmadu Bello University, Zaria, Nigeria	09.45 - 10.00
114	Synthesis, Characterization of Carboxymethyl Starch from Sorghum bicolor moench and its application in Paint formulation	Ofoefule Akuzuo Uwaoma Nwatarali Victor Chukwunonso Ofoefule Sabinus Ifeanyi Department of Pure and Industrial Chemistry, University of Nigeria, Nsukka Department of Pharmaceutical Technology and Industrial Pharmacy. University of Nigeria Nsukka	10.00 - 10.15
160	STUDIES ON EFFECTS OF SURFACE CHEMISTRY OF ACTIVATED CARBON ON ADSORPTION OF METHYLENE BLUE FROM AQUEOUS SOLUTION.	Stephen Eyije Abechi Casimir Emmanuel Gimba Adamu Uzairu Department of Chemistry, Ahmadu Bello University, Zaria, Kaduna State, Nigeria.	10.15 - 10.30
167	Kinetics and performance evaluation of Artocarpus heterophyllus seed in the removal of colour and turbidity from industry wastewater by coagulation-flocculation process	Ifeoma Maryjane Iloamaeke Kelvin Chukwuka Obazie Mmesoma Glory Offornze Chiamaka Marysilvia Ifeaghalu Odinaka Roseline Ofoegbu Mathew Onyema Agu. Department of Chemistry Nnamdi Azikiwe University, Awka. Nigeria	10.30 - 10.45

Abstract ID	Paper Title	Authors and Affiliation	Time
168	FRACTIONATION OF HEAVY METALS IN SOIL FROM THE VICINITY OF A COMPUTER VILLAGE IN ENUGU METROPOLIS.	Nnaji Gabriel Onyebuchi Department of Chemistry, Nnamdi Azikiwe University, Awka	10.45 - 11.00
170	STUDY ON THE KINETICS OF ANAEROBIC BIODEGRADATION OF CELLULOSE, STARCH AND GLUCOSE BY A CELLULOLYTIC FUNGUS (<i>Curvularia</i> SPECIE)	Onu, Ameh David Department of Chemistry, Federal College of Education, Zaria, Kaduna state, Nigeria	11.00 - 11.15
179	DEVELOPMENT AND EVALUATION OF NATURAL RUBBER MEMBRANES FOR SUSTAINED TRANSDERMAL DRUG RELEASE APPLICATIONS	A. K. Akinlabi N. Y Ilesanmi F. Y Falope A. M, Mosaku Sarah. Oni G. O Oladipo T. A. Aborode Department of Chemistry, Federal University of Agriculture, Abeokuta. Nigeria.	11.15 - 11.30
194	THE PULPING INVESTIGATION OF SEA WEED (<i>Nymphae lotus</i>) CELLULOSIC WASTE FOR PULP AND PAPER DEVELOPMENT	Nelly A. Ndukwe Mountain Top University, Prayer City Ogun State, Nigeria	11.30 - 11.45
WRAP UP AND LUNCH BREAK (12.00 – 13.50)			
Track2: Medicinal and natural products chemistry			
23	Spectroscopic Identification of six new triterpenoid Esters (Globrauneine A-F) Isolated from the leaves of <i>Globimetula braunii</i> (Engler) van Tiegh	Kamal Ja'afar Muhammad* a, Shajarahtunnur Jamilb, Norazah Basarb, Alhassan A. Sallaua, Magaji Garba Mohammedc, Mariya Tijjani Idrisd aChemistry Advanced Research Center, Sheda Science and Technology Complex, Abuja-Nigeria; bDepartment of Chemistry, Faculty of Science, Universiti Teknologi Malaysia, 81310 Johor Bahru, Malaysia; cDepartment of Pharmacology and Therapeutics, Ahmadu Bello University, Zaria, Nigeria dDepartment of Agricultural Technology, Federal College of Agricultural Produce Technology, Kano, Nigeria	14.00 - 14.15
41	PHYTOCHEMICAL AND PHARMACOLOGICAL EVALUATION OF NIGERIAN <i>Kalanchoe pinnata</i> (LAM.) STEM-BARK	Christiana A. Kendeson Mary L. Kagoro Esther A. Adelokun 1. Department of Chemical Sciences, Federal University of Kashere, P.M.B 0182, Gombe, Nigeria. 2. Department of Chemistry, University of Jos, P.M.B 2084, Jos, Nigeria. Department of Chemistry, University of Jos, P.M.B 2084, Jos, Nigeria.	14.15 - 14.30
52	Antioxidant Properties of <i>Parquetina nigrescens</i> Extracts and Effect of the Extracts on Alloxan-Induced Diabetic Albino Rats	O.E. Ogunjinmi B.A. Oyebode O.A. Anifowose K.O. Ariori Departmental of Physical Sciences, First Technical University, Ibadan, Nigeria. Department of Physical Sciences, First technical University, Ibadan, Nigeria Department of Chemistry, The Polytechnic, Ibadan, Nigeria. Department of Geology, University of Ibadan, Nigeria.	14.30 - 14.45

Abstract ID	Paper Title	Authors and Affiliation	Time
58	Assessment of Free Radical Scavenging Potency and Nutritional Profile of the Formulation of <i>Ocimum gratissimum</i> (Scent Leaf) and <i>Vernonia amygdalina</i> (Bitter Leaf)	Dauda J. Abiodun Department of Chemistry, Kogi State University, Ayangba, Kogi State. Nigeria.	14.45 - 15.00
63	Silver Nanoparticles Mediated by <i>Callistemon citrinus</i> extract and their Antimalarial and Antibacterial Efficacy	Larayetan Rotimi Department of Pute and Industrial Chemistry, Kogi State University, Anyigba	15.00 - 15.15
64	The potential of <i>Petivera alliacea</i> L as a remedy for curing deadly diseases: A REVIEW.	Agbeja A.O., Abdulraheem A.M.O., Olaifa, K.A., Olaitan, A.O. and Babalola Y.O Department of Chemistry, University of Ilorin, Nigeria	15.15 - 15.30
74	Remodeled Alkyd Resins: Flexible Coating Materials obtained from Vegetable Oils	Odiachi Ifeanyi James Department of Chemistry, Delta State Polytechnic Ogwashi-Uku	15.30 - 15.45
99	CHEMICAL COMPOSITION, ANTIMICROBIAL AND ANTIOXIDANT ACTIVITIES OF ESSENTIAL OIL OF <i>DICHAPETALUM BATERI</i> (Engl.) Bret. G. K. Oloyede and E. E. Aboladea* aOrganic Chemistry Unit, Department of Chemistry, University of Ibadan, Nigeria. E-mail: oloyedegk@gmail	G.K. Oloyede E.E. Abolade Department of Chemistry, University of Ibadan Department of Chemistry, University of Ibadan	15.45 - 16.00
102	Isolation, Characterization and Biological Evaluation of Betulinic Acid and Eucosterol Isolated from South African Medicinal Plants	Gideon Ayeni Kogi State University, Anyigba	16.00 - 16.15
126	Antibacterial and antifungal activities of <i>Piper guineense</i> seed extracts	Ogbuagu, Adaora S. Department of Chemistry, Nnamdi Azikiwe University Awka.	16.15 - 16.30

TECHNICAL PAPERS

TECHNICAL SESSIONS PROGRAM DAY 1 – TRACK 5

08.30 – 11.00 Hours & 14.00 – 16.00 Hours

Venue: Presentation Room 4

Track5: Electrochemistry, Inorganic Chemistry

Session : TS 4

Chair Persons: Prof A. P. Oviawe (oviawe57@yahoo.com; 08023445355) Morning

Prof. S. A. Odoemelam (saodoemelam@yahoo.com; 08060120588) Afternoon

Abstract ID	Paper Title	Authors and Affiliation	Time
Track5: Electrochemistry			
163	Comparison between the corrosion inhibition properties of corn starch and potato starch on mild steel in acidic medium using HCl	Ahmad Muhammad Sani, Kamal Danazumi, Alhassan Kabiru Usaman and Nyalla Janet Simon Kaduna state University	08.30 - 08.45
Track5: Inorganic Chemistry			
10	Corrosion Inhibition Characteristics of Vernonia Amygdalina Stem Extracts in Simulated Niger Delta Environment.	Dr Ngobiri Nnaemeka Chinedu Department of Chemistry, University of PortHarcourt, Port Harcourt, Rivers State, Nigeria.	08.45 - 09.00
40	Kinetics of the Redox Reaction between Tartrazine and Nitrite Ion in Aqueous Acid Medium	Patricia Ese Umoru Department of Chemistry, Nigerian Defence Academy, P.M.B 2109, Kaduna, Nigeria	09.00 - 09.15
65	Synthesis and characterization of Cu(II)-etheylenediaminetetraaceticacid-urea adduct	Emmanuel Stella Adedunni + Adedirin Oluwaseye + Sallau Alhasan Chemistry Advanced Research Center, Sheda Science and Technology Complex-Abuja	09.15 - 09.30
71	Synthesis and DFT Study of New Schiff Base Functionalized 1,2,3-Triazolylidene Gold (I) Complexes	Nasir Sallau Lawal Department of Chemistry, Ahmadu Bello University Zaria, Nigeria	09.30 - 09.45
91	Studies of the Ni II and Co II complexes of isonicotinoyl 2-chlorobenzaldehyde Hydrazone	Idoko Owoicho Saratu Mamman Pius Ukoha Abdullahi Ismaila Sheda Science And Technology Complex, Fct, Abuja Department Of Chemistry, University Of Abuja Department Of Pure And Industrial Chemistry, University Of Nigeria, Nsukka, Enugu State, Nigeria. Department Of Chemistry, University Of Abuja	09.45 - 10.00
COFFEE BREAK 10.00 – 10.15			
137	Studies of the Mn II and Cu II complexes of isonicotinoyl 2-chlorobenzaldehyde Hydrazone.	Idoko Owoicho Saratu Mamman P.O Ukoha Abdullahi Ismaila SHEDA Science And Technology Complex, Fct, Abuja Department Of Chemistry, University Of Abuja, FCT, NIGERIA 3Department of Pure and Industrial Chemistry, University of Nigeria, Nsukka, Enugu State, Nigeria. Department Of Chemistry, University Of Abuja, FCT, Nigeria	10.15 - 10.30
185	Metal (II) Complexes of Trimethoprim-Derived Schiff bases: Synthesis, Characterization and Antimicrobial Studies	Hussaini Garba Ibrahim Waziri Jamila Bashir Yakasai Habila Putaya Ndula Baba Umar Abba Mustapha Ibrahim O. Bisiriyu Ibrahim Muhammad Wakil University of Maiduguri National Water Resources Institute, Mando, Kaduna State, Nigeria Ramat Polytechnic, Maiduguri, Borno State, Nigeria University of Johannesburg, South Africa University of Maiduguri	10.30 - 10.45

Abstract ID	Paper Title	Authors and Affiliation	Time
186	SYNTHESES AND EVALUATION OF Co (II) AND Ni (II) COMPLEXES WITH DERIVATIVES OF VANILLIN - TRYPTOPHAN SCHIFF BASE LIGAND	Salisu Abubakar Department Of Chemistry, Federal College Of Education, P.M.B. 1041, Zaria	10.45 - 11.00
189	Synthesis of chemo-sensor containing 2-aminophenol Schiff bases used to detect some metal ions in solution	Felicia N. Ejiah Mujeeb O. Rofiu Tolulope M. Fasina Neerish Revaprasadu Oluwole B. Familoni University of Lagos, Nigeria University of Lagos, Nigeria University of Lagos, Nigeria University of Zululand, South Africa University of Lagos, Nigeria	11.00 - 11.15
195	Cu(II) and Ni(II) Complexes of Schiff base Derived from 6-methylcoumarin and 2-aminophenol: Synthesis, Characterization and Microbial Studies	Aminu Ahmed Ibrahim Usman Kutama Sunusi Yahaya Kano University of Science and Technology, Wudil Kano University of Science and Technology, Wudil Kano University of Science and Technology, Wudil	11.15 - 11.30
212	Structure, spectroscopic, DNA cleavage, experimental and theoretical anticancer studies of 4-methoxyaniline-N ² -4-nitrobenzoylthiourea and its Ni(II), Zn (II), Cu(II) and Co(II) complexes	Prof. Asegbeloyin, Jonnie Niyi, Bernard Eboma, Kenechukwu J. Ifeanyieze, Obinna Okpareke, Ebube Department of Pure and Industrial Chemistry, University of Nigeria, Nskka	11.30 - 11.45
WRAP UP AND LUNCH BREAK (12.00 – 13.50)			
Track 5: Toxicity			
120	Food Dyes: The Unsuspecting Culprit That Threatens Food Safety and Public Health	Enebi Estella Jasper Anako Opotu Lawal Manasseh Yakubu Bidam Department of Applied Chemistry, Kaduna Polytechnic, Kaduna State Nigeria Department of Applied Chemistry, Kaduna Polytechnic, Kaduna State Nigeria Department of Applied Chemistry, Kaduna Polytechnic, Kaduna State Nigeria	14.00 - 14.15
131	Microplastics: An emerging environmental Threat	Ayodele Faleti Department of Chemistry, Federal University of technology, Akure.	14.15 - 14.30
150	LEVELS OF HEAVY METAL (Pb, Hg, Mn, Cu AND Cr) AND IN SOME SELECTED COSMETICS COMMONLY SOLD IN NIGERIA AND THEIR HUMAN HEALTH IMPLICATIONS.	Dr. Nkoli Mgbemena Michael Okpara University of Agriculture, Umudike, Abia State Nigeria	14.30 - 14.45
69	Molecular Dockings and Quantum Mechanics studies of the Inhibitory Activities of Selected Phytochemicals in Artemisia afra Against NADH-Ubiquinone Oxidoreductase Of Plasmodium falciparum (PfNDH2) as Anti-Malaria	O. O Adeboye Department of Chemistry, Emmanuel Alayande College of Education, Oyo, Oyo state.	14.45 - 15.00
75	Remodeled Alkyd Resins: Flexible Coating Materials obtained from Vegetable Oils	Odiachi Ifeanyi James Delta State Polytechnic Ogwashi-Uku	15.00 - 15.15
222	Removal of methylene blue, methyl red and phenolphthalein dye from aqueous solution using activated palm kernel shell charcoal as an adsorbent	Dr. Edmund Okorie Federal polytechnic Idah	15.15 - 15.30

Abstract ID	Paper Title	Authors and Affiliation	Time
233	Developing sustainable innovation from maize biomass for the remediation of soil and water polluted by e-wastes. Case Study: The evacuated Njoku landfill site at Owerri, Imo State, Nigeria	Margaret Chinyelu Enedoh Edbert Chidi Duru Francis Chizoruo Ibe Imo State University, Owerri. Nigeria Imo State University, Owerri. Nigeria Imo State University, Owerri. Nigeria	15.30 - 15.45
127	Guinea Fowl Eggshell Derived Calcium Oxide (CaO) Catalyst in the Transesterification of Coconut Oil	Abdu Muhammad Bello Ibrahim Haladu Kano University of Science and Technology, Wudil Kano University of Science and Technology, Wudil	15.45 - 16.00

END OF FIRST DAY OF TECHNICAL SESSION