

Nigerian Students Association (NiSA), Turkey
Nijeryalı Öğrenciler Derneği.

in collaboration with

**Universiti Teknologi Malaysia, School of Professional and
Continuing Education (UTMSPACE)**

NiSA

2021

First/Maiden Symposium



BOOK OF ABSTRACTS AND PROGRAMME OF EVENTS

29th to 30th SEPTEMBER, 2021



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

School of
Professional and
Continuing
Education
(UTMSPACE)

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GUEST OF HONOURS

Royal Father of Occasion	His Royal Highness, Alhaji Ibrahim Usman Jibril, FGEOSON <i>Emir of Nasarawa</i>
Father of Occasion	Amb. Ismail Abba Yusuf <i>Ambassador, Nigeria to Turkey</i>
Host	Dr Moneer Saeed <i>Chairman, Asian-African Cooperation Council</i>
Chairman	Prof. Dr. Lawal Suleiman Bilbis <i>Vice Chancellor, UDUS</i>
Special Guest	Prof. Dr. Abubakar Adamu Rasheed, MNI, MFR <i>Executive Secretary, NUC</i> Dr. Usman Bugaje <i>Chairman, Arewa Research and Development Project</i>
Keynote Speakers	Prof. Dr. Sahabi Danladi Mahuta <i>Chairman, Staff Multi-purpose Cooperative Society, UDUS</i> Assoc. Prof. Dr. Sheikh Ahmad Zaki Bin Shaikh Salim <i>Universiti Teknologi Malaysia</i> Dr. Umar Oseni CEO, International Islamic <i>Management Corporation, Malaysia</i>
Guest Speakers	Prof. Dr. Yusuf Saidu <i>Deputy Vice Chancellor of Research and Development, UDUS</i> Prof. Dr. Ndubuisi Ekekwe <i>CEO Tekedia Institute</i> Senator Dr. Datti Baba Ahmed <i>Pro-Chancellor and Founder of Baze University</i>
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PROGRAMME OF EVENT

Day I: Wednesday, 29th September, 2021

10:30am – 11:30am	Arrival
11:30am – 11:35am	National Anthem
11:35am – 11:40am	Opening Prayer
11:40am – 11:50am	Chairman's Opening Remark
11:50am – 12:20pm	Keynote Address I
12:20pm – 12:30pm	Speech by Host
12:30pm – 12:40pm	Speech by President of NiSA
12:40pm – 12:50pm	Goodwill Messages from Royal Father
12:50pm – 01:00pm	Speech by Special Guest & Declaring the Conference Open
01:00pm – 02:00pm	Break I
02:00pm – 02:30pm	Keynote Address II
02:30pm – 03:00pm	Guest Speech I
03:00pm – 04:00pm	Break II
04:00pm – 04:30pm	Guest Speech II
04:30pm – 06:00pm	Technical Sessions I

Day II: Thursday, 30th September, 2021

11:15am – 11:30am	Vote of Thanks by the Convener of the Symposium
11:30am – 12:00pm	Keynote Address III
12:00pm – 12:30pm	Guest Speech III
12:30pm – 02:00pm	Technical Sessions II
02:00pm – 02:30pm	Break I
02:30pm – 03:30pm	Poster Presentations and Round Table Discussion I
03:30pm – 04:30pm	Break II
04:30pm – 05:30pm	Poster Presentations and Round Table Discussion II
05:30pm – 06:00pm	Closure and Departure

Note: The timing herein is based on Turkish Time Zone (2 hours ahead of Nigerian Time).

Technical Session Day I: Wednesday, 29th September, 2021

Session Ia: Medical and Biological Science

S/No.	Time	Title
1.	04:30pm - 04:45pm	A Review: Surveillance for Antimicrobial Drug Resistance Nosocomial Isolates
2.	04:45pm - 05:00pm	Prevalence of Multidrug Resistant ESBL producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> in some Hospitals in Kano State Nigeria.
3.	05:00pm - 05:15pm	Role of Medicinal Plants for Sustainable Human Health Development: A Review
4.	05:15pm - 05:30pm	Bioactive Chalcone as an Inhibitor of Snake Venom Phospholipase A ₂ and Metalloprotease: A Molecular Dynamics Studies
5.	05:30pm - 05:45pm	Effect of COVID 19 Pandemic on Primary Health Care Service Delivery in Nasarawa State
6.	05:45pm - 06:00pm	Characterization and Antilisterial Potential of Lactic Acid Bacteria and Yeasts Isolated from Fermenting Cow Milk

Session IIa: Engineering and Technology

S/No.	Time	Title
1.	04:30pm - 04:45pm	Case Study: AI Based Green Transportation
2.	04:45pm - 05:00pm	General Review on Smart City; Characteristic, Challenges and a Possible Remedy
3.	05:00pm - 05:15pm	Impact of Population Growth on Urban Housing Development in Nigeria
4.	05:15pm - 05:30pm	Influence of Procurement Systems on the Success of Sustainable Building Construction in Abuja
5.	05:30pm - 05:45pm	Characteristics of Burnt Clay Bricks Containing Polythene and Sawdust as Additives
6.	05:45pm - 06:00pm	Mechanical, Microstructural and Water Adsorption Properties of Bamboo Reinforced Polystyrene Composite for Sustainable Development

Session IIb: Engineering and Technology

S/No.	Time	Title
1.	04:30pm - 04:45pm	Establishing a Relationship between Theory and Computer Model Results on Beam Theorems
2.	04:45pm - 05:00pm	Laboratory Experiments to Measure the Rheological Properties of Drilling Mud
3.	05:00pm - 05:15pm	Prospects of Wind Energy as an Alternative Energy Source in Nigeria
4.	05:15pm - 05:30pm	Renewable Energy Potential in Nigeria
5.	05:30pm - 05:45pm	Production of Rubberized Asphalt Mat for Road Maintenance
6.	05:45pm - 05:00pm	Impacts of Information and Communication Technology Management to Financial Sustainability in Nigerian Secondary Schools

Session III: Education, Art and Humanities

S/No.	Time	Title
1.	04:30pm - 04:45pm	Academic Library Roles in Knowledge Building and Sustainable Development
2.	04:45pm - 05:00pm	Enhancing Information Literacy for Sustainable Development in the Post COVID 19 Era: the Roles of Librarians
3.	05:00pm - 05:15pm	Traditional and Faith Healing in Pakistan
4.	05:15pm - 05:30pm	Interfaith Marriages and Social Unacceptance in Pakistan
5.	05:30pm - 05:45pm	Islamic Vehicular and Vernacular Languages: How Use of Non-Islamic Languages may Create Stigma
6.	05:45pm - 06:00pm	The Contributions of Muslim Women Scholars in Promoting Islamic Education in Nigeria: A Case Study of Aisha Lemu's Works

Session IV: Social Science

S/No.	Time	Title
1.	04:30pm - 04:45pm	Effect of Motivational Factors on Community's Projects Participation in Gidan Zakara, on Sustainable Development
2.	04:45pm - 05:00pm	Social Media: A Tool for Promoting Terrorism or Not?
3.	05:00pm - 05:15pm	The Nature, Causes, Effect and Historical Trends of Corruption in Nigeria – An Exploration
4.	05:15pm - 05:30pm	Youths and the Vision of the Nigerian Nation
5.	05:30pm - 05:45pm	Do Students Effectively Utilize Globalisation in Study? Yes, But!
6.	05:45pm - 06:00pm	Managing Dormant Account Funds of Islamic Banks: Shari'ah and Legal Perspectives
7.	06:00pm - 06:15pm	The Dire Need for a Waqf Federal Law in Nigeria: Current Trends and Future Perspectives

Assessment of Lubricating Oil Sold by Roadside Vendors in Minna Metropolis, Niger State, Nigeria

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Abstract

The efficiency of automotive and non-automotive engines relies solely on the quality of the engine oil. This study evaluate the quality of engine oil sold by some road-side vendors in Minna metropolis. Eight oil samples were randomly collected and analyzed for physicochemical parameters which include specific gravity, pour point, flash point, cloud point, kinematic viscosity, acid value, iodine value and saponification value using standard methods. The results of the parameters analyzed were specific gravity (A1 (0.897), A2 (0.883), B1 (0.891), B2 (0.890), C1 (0.894), C2 (0.908), D1 (0.899) and D2 (0.896)), pour point (A1 (-6.2 °C), A2 (-6.5 °C), B1 (-5.9 °C), B2 (-4.5 °C), C1 (-4.7 °C), C2 (-3.6 °C), D1 (-6.5 °C) and D2 (-6.9 °C)), flash point (A1 (256.8 °C), A2 (239.4 °C), B1 (269.2 °C), B2 (165.5 °C), C1 (175.9 °C), C2 (144.2 °C), D1 (161.8 °C) and D2 (191.2 °C)), cloud point (A1 (-9.9 °C), A2 (-9.0 °C), B1 (-4.6 °C), B2 (-1.8 °C), C1 (-7.4 °C), C2 (-9.8 °C), D1 (-6.7 °C) and D2 (-4.8 °C), kinematic viscosity (A1 (43 mm²/s), A2 (36 mm²/s), B1 (35 mm²/s), B2 (43 mm²/s), C1 (34 mm²/s), C2 (32 mm²/s), D1 (42 mm²/s) and D2 (41 mm²/s)), acid value (A1 (1.42 mgKOH/g), A2 (1.68 mgKOH/g), B1 (1.34 mgKOH/g), B2 (1.58 mgKOH/g), C1 (1.90 mgKOH/g), C2 (1.34 mgKOH/g), D1 (1.34 mgKOH/g) and D2 (1.34 mgKOH/g)), iodine value (A1 (13.1 mgI₂/g), A2 (9.7 mgI₂/g), B1 (10.2 mgI₂/g), B2 (13.3 mgI₂/g), C1 (13.11 mgI₂/g), C2 (10.8 mgI₂/g), D1 (20.1 mgI₂/g) and D2 (13.8 mgI₂/g)) and saponification value (A1 (196.35 mgKOH/g), A2 (143.05 mgKOH/g), B1 (167.18 mgKOH/g), B2 (192.42 mgKOH/g), C1 (173.23 mgKOH/g), C2 (143.00 mgKOH/g), D1 (147.54 mgKOH/g) and D2 (106.31 mgKOH/g)). This study revealed that the two most important parameters of engine oil, kinematic viscosity and acid value were below and above the stipulated standards by the ASTM (48 mm²/s and 0.02-0.8 mgKOH/g). These deviations from the standard values stipulated by ASTM might be due to adulteration of the engine oils. Therefore, Government agencies with mandate of monitoring engine oil quality should carry out periodic evaluation of the engine oils sold by the roadside vendors to check their sharp practices.

Keywords: Qualitative Assessment, Lubricating Oil, Roadside Vendors, Physicochemical Parameters, ASTM Standards, Minna Metropolis.