

ICXRI 2021 DAY 1			
DATE	TIME (UTC +8)	AGENDA	
18 August 2021 (Wednesday)	0800 - 0830	Registration	
	0830 - 0840	Online Conference Opening <b>Mr Mohd Solehin bin Mohd Nasir &amp; Dr. Norazrina Binti Mat Jali</b>	
	0840 - 0850	Opening Speech by ICXRI 2021 Chairman <b>Assoc. Prof. Dr Muhamad Faiz Md Din</b>	
	0850 - 0900	Opening Speech by XAPP Chairman <b>Prof. Dr. Zainal Arifin Ahmad</b>	
	0900 - 0930	Opening speech and ceremony by UPNM Vice Chancellor <b>Lieutenant General Dato' Hasagaya Bin Abdullah</b>	
	0930 - 1015	Keynote Talk 1 <b>Emeritus Prof Dato' Dr Wan Md Zin Wan Yunus (UPNM)</b> <i>Title: Characterization of Poly(Lactic Acid) Clay Nanocomposites Using X-ray Diffraction Analysis</i> Chairperson: Assoc. Prof. Dr Muhamad Faiz Md Din	
	1015 - 1100	Keynote Talk 2 <b>Prof Jianli Wang (Wollongong University, Australia)</b> <i>Title: Recent applications of X-ray and neutron powder diffraction in the study of some selected magnetic material and thermoelectric materials</i> Chairperson: Assoc. Prof. Dr Muhamad Faiz Md Din	
	1100 - 1145	Virtual Photo Sessions, Poster Sessions and Break	
	1145 - 1215	Invited Talk 1 <b>Dr Sandeep Nagar (DKSH)</b> <i>Title: In-situ XRD and PDF investigation of MF<sub>3</sub>.3H<sub>2</sub>O (M = Fe, Cr) in controlled atmosphere: accessing new phases with controlled chemistry</i>	
	1215 - 1245	Invited Talk 2 <b>Dr Thomas Baikie (BRUKER)</b> <i>Title: Energy storage materials using X-ray diffraction techniques</i>	
	1245 - 1400	Break and Poster Session	
	1400 - 1530	Parallel Session A Chair Session: <b>Dr Norazlian Abd Manaf</b>	Parallel Session B Chair Session: <b>Dr. Ahmad Farid Mohd Azmi</b>
	1530 - 1700	Parallel Session A Chair Session: <b>Dr. Norherdawati Kasim</b>	Parallel Session B Chair Session: <b>Assoc. Prof. Dr Noor Azilah Mohd Kasim</b>
	1700	End of Day 1	

ICXRI 2021 DAY 2				
DATE	TIME (UTC +8)	AGENDA		
19 August 2021 (Thursday)	0900 - 1030	Parallel Session D Chair Session: <b>Dr. Intan Juliana Shamsudin</b>	Parallel Session E Chair Session: <b>Dr Noor Aisyah Ahmad Shah</b>	Parallel Session F Chair Session: <b>Assoc. Prof. Dr Siti Aminah Mohd Noor</b>
	1030 - 1100	Break and Poster Session		
	1100 - 1130	Invited Talk 3 <b>Dr. Qiqi Yan (iLab)</b> <i>Title: M4 Tornado – MicroXRF Elemental Mapping</i>		
	1130 - 1200	Invited Talk 4 <b>Prof. Dr Aidy Ali (UPNM)</b> <i>Title: Development and Fabrication of Low to High Strength, and Antiballistic of Malaysian Bamboo Laminated Composites</i>		
	1200 - 1230	Invited Talk 5 <b>Dr.Suresh Sagadevan (UM)</b> <i>Title: Cobalt Oxide nanostructured for electrochemical and photocatalytic</i>		
	1230 - 1300	Invited Talk 6 <b>Associate Prof Mohammad Bin Ismail (UMT)</b> <i>Title: A reactive hydride composite (RHC) for solid-state hydrogen storage materials</i>		
	1300 - 1400	Break and Poster Session		
	1400 - 1430	Invited Talk 7 <b>Dr Sandeep Nagar (DKSH)</b> <i>Title: GIXRD on a Compact XRD</i>		
	1430 - 1500	Invited Talk 8 <b>Dr Low Hou Ran (BRUKER)</b> <i>Title: Analysis of rare earth elements by benchtop WDXRF S6 JAGUAR</i>		
	1500 - 1530	Invited Talk 9 <b>Dr Andreas Keilbach (Anton Paar)</b> <i>Title: New developments for in-situ small-angle X-ray scattering experiments in the home laboratory</i>		
	1530 - 1600	Invited Talk 11 <b>Mr Dat Thanh Chau (MSI Technology)</b> <i>Title: Advancements in Portable XRF for Soil and Plant Assessments</i>		
	1600 - 1630	Invited Talk 12 <b>Dr Norman Schott (BRUKER)</b> <i>Title: Images and Analysis of Geomaterials with X-ray Microscopy</i>		
	1600 - 1700	Invited Talk 13 <b>Dr. Andrew Jones (Anton Paar)</b> <i>Title: XRDynamic 500: The new automated multipurpose powder X-ray diffractometer from Anton Paar</i>		

	1700	<p><b>Award Giving</b> Best Oral Award Best Poster Award</p> <p><b>Closing Ceremony</b></p> <p>Closing by ICXRI 2021 Chairman <b>Assoc. Prof. Dr Muhamad Faiz Md Din</b></p> <p>Closing by XAPP Chairman <b>Prof. Dr. Zainal Arifin Ahmad</b></p> <p><b>Welcoming for AMCT 2022</b> AMCT 2022 Chairman</p>
End of ICXRI 2021		

### TECHNICAL TEAM SUPPORT

Main Hall (General) & Sponsors
Mr Mohd Hermas bin Ab Jalil <a href="mailto:hermas@upnm.edu.my">hermas@upnm.edu.my</a>
Mr Mohammad Afandi bin Paharazi <a href="mailto:afandi@upnm.edu.my">afandi@upnm.edu.my</a>
Assoc. Prof. Dr. Fakroul Ridzuan bin Hashim <a href="mailto:fakroul@upnm.edu.my">fakroul@upnm.edu.my</a>

Parallel Session		
Day 1 (18 <sup>th</sup> August 2021)		
ROOM 1: Parallel Session A	ROOM 2: Parallel Session B	ROOM 3: Parallel Session C
Mr Mohd Salman bin Mohd Sabri <a href="mailto:salman@upnm.edu.my">salman@upnm.edu.my</a>	Mr Roslan bin Husin <a href="mailto:roslan.husin@upnm.edu.my">roslan.husin@upnm.edu.my</a>	Mr Nazrul Fariq bin Makmor <a href="mailto:nazrulfariq@upnm.edu.my">nazrulfariq@upnm.edu.my</a>
Day 2 (19 <sup>th</sup> August 2021)		
ROOM 4: Parallel Session D	ROOM 5: Parallel Session E	ROOM 6: Parallel Session F
Mr Mohd Salman bin Mohd Sabri <a href="mailto:salman@upnm.edu.my">salman@upnm.edu.my</a>	Mr Roslan bin Husin <a href="mailto:roslan.husin@upnm.edu.my">roslan.husin@upnm.edu.my</a>	Mr Nazrul Fariq bin Makmor <a href="mailto:nazrulfariq@upnm.edu.my">nazrulfariq@upnm.edu.my</a>

### Detail of Parallel Session for Oral Presentation Day 1

DATE	TIME	AGENDA		
18 August 2021 (Wednesday)		Parallel Session A	Parallel Session B	Parallel Session C
	1400 - 1415	<b>MS. MARYAM TAUFIQ BINTI MUSA (UKM01)</b> Title: Characterization of sodium alginate membrane plasticized by polyols and polyamine for DMFC applications	<b>MR. MUHAMAD RAZIZY BIN FAUZI (UTHM15)</b> Title: Interfacial Reaction of SAC3807 on Different Copper Substrate by Reflow Soldering	<b>DR. NORHUDA HIDAYAH NORDIN (UIAM07)</b> Title: Characterizations of High Entropy Alloy Powder as Catalyst Synthesized by Mechanical Alloying for Azo Dye Degradation
	1415 - 1430	<b>MS. NOR AZWIN SHUKRI (UTM01)</b> Title: Surface Analysis of Grafted Low Density Polyethylene Film by FTIR and XPS Spectroscopy	<b>MR. MUHAMAD FAIRUSH BIN SHAHARUDIN (OTHER06)</b> Title: Radiation Modification of Commercial Polyvinylidene Fluoride (PVDF) Backsheet Film for Properties Enhancement	<b>MS. NUR ATIQA SYAHIRAH SHARI (USM09)</b> Title: Mechanical Enhancement of Composite Bricks Using Kenaf and Oil Palm Cellulose Nanofibrils
	1430 - 1445	<b>DR. SUHAINA ISMAIL (USM02)</b> Title: Effects of Sulphuric Acid and Speed Rotation on Hydrolysis of Bamboo Sawdust	<b>MR. WAN AHMAD MUSTAQIM BIN AHMAD ZAKHI (UTHM10)</b> Title: Fabrication and Characterization of Alginate/Iron (iii) Oxide Beads and Biofilm for Biomedical Applications	<b>PM DR SITI AMINAH MOHD NOOR (UPNM13)</b> Title: Development of Polypyrrole Nanoparticles Modified-Screen-Printed Carbon Electrode (SPCE) as Sensing Material
	1445- 1500	<b>MR. KHAIRUL AIZAT BIN NADZARI (UTM14)</b> Title: Structural Analysis of DLC Thin Film Using X-Ray Reflectivity and Raman Spectroscopy Techniques	<b>MS. FATIN FATINI BINTI OTHMAN (UNIMAP06)</b> Title: Phase Transformation of FGD By-Product into Plaster Mould via Heat Treatment Process	<b>DR. NURAZREENA AHMAD (USM16)</b> Title: Effect of Stirring Speed on the Formation and Characteristic of Alginate Microspheres via Gelation/ Emulsification Method



18 August 2021 (Wednesday)	1500 - 1515	<b>ASSOC. PROF. DR. MOHAMAD ZAKY NOH (UTHM03)</b> Title: Influence of Modified Chemical Compositions on Palm Oil Fuel Ash to the Physico-Mechanical Properties of Porcelain	<b>DR. NORAZRINA MAT JALI (UPNM10)</b> Title: Humidity Effect on the Mechanical Properties of Different Grades of Rt-PMMA	<b>DR. NOR AZILLAH FATIMAH BINTI OTHMAN (NUKLEAR08)</b> Title: Controlled Process of Radiation-Induced Grafting by Chemical Vapour Deposition for the Synthesis of Metal Adsorbent
	1515 - 1530	<b>DR. NURULHUDA BINTI BASHIROM (UNIMAP03)</b> Title: Synthesis of Nb <sub>2</sub> O <sub>5</sub> by Thermal Oxidation of Nb for Cr(VI) Removal	<b>MS. NUR NABILAH BT SAMSUDIN (UTM10)</b> Title: X-Ray Reflectivity Analysis in Evaluating Multilayer Thin Film Fabrication	<b>MRS. NURUL KHAIRUNNISA SU (OTHER04)</b> Title: Densification of Zirconia Toughened Alumina Added CeO <sub>2</sub> Ceramics via Hot Isostatic Press Sintering Technique
	1530 - 1545	<b>MR. MUHAMMAD AIMAN SAUFI (USM17)</b> Title: Comparison of Stability Mechanism of Graphene Nanoparticles in Polyester Oil	<b>DR. SALMIAH JAMAL MAT ROSID (UNISZA01)</b> Title: Praseodymium Oxide Supported on Alumina in Carbon Dioxide Hydrogenation Reaction: Synthesize, Catalytic Activity and Characterization Properties	<b>MS. MUDRIKAH SOFIA BINTI MAHMUD (UIAM03)</b> Title: High Purity Nanosilica from Rice Husk Ash (RHA) via Chemical Method as Additive/Stabilizing Agent CO <sub>2</sub> Capture Application
	1545- 1600	<b>MS. SITI KORIAH ZAKARIA (UMK02)</b> Title: Spectroscopy and X-Ray Diffraction (XRD) Analysis of Carbon Steel Slag: The Potential Sustainable Raw Material for Geopolymer Ceramic	<b>MR. HAMDAN BIN YAHYA (OTHER02)</b> Title: Development and Characterisation of Triaxial Electrical Porcelains from Malaysian Ceramic Minerals	<b>MRS. NUR ALYANI NAZIRAH BINTI MOHAMMAD RAFIX (UTM04)</b> Title: Effect of Residual Stress on Annealed Cold Drawn Steel Wires
	1600 - 1615	<b>DR. AZIZUL HAKIM LAHURI (UPM01)</b> Title: Adsorption Isotherm Analysis for CO <sub>2</sub> Capture using Barium Oxide on Iron(III) Oxide by Ultrasonic-assisted Synthesis	<b>MS. SITI NORBAHIYAH (UIAM02)</b> Title: Characterization and Tensile Properties of Kenaf/Carbon Hybrid Composite with Multi Stacking	<b>MS. NUR ZAHA BINTI HASSAN (UTHM11)</b> Title: The effect of graphite loading on carbon foam by using natural carbon resources

18 August 2021 (Wednesday)	1615 - 1630	<b>MS. NURUL FARAHIN MOHD JOHARUDIN (UTHM14)</b> Title: Hardness and Microstructure Analysis of Recycling Milled Aluminium (AA7075) at Various Composition of Rice Husk Silica	<b>MR. HASAN BIN MARZUKI (UIAM08)</b> Title: Carbon Infiltration within Low-Grade Iron Ore Using Empty Fruit Bunch Pyrolysis Vapor	<b>MS. SARALA SELAMBAKKANNU (NUKLEAR02)</b> Title: Emulsion Systems Containing Thorium (Iv) For The Synthesis Of Ion-Imprinted Polymer Adsorbent
	1630 - 1645	<b>MS. FARAH FADZEHAH HILMI (UTM02)</b> Title: Box Behnken Design to Optimize Parameter for Vapor Grafting of Cinnamaldehyde Essential Oil onto Polyvinyl Alcohol as Food Packaging	<b>MRS. EMILLY BINTI ALBERT ALIM (UTM09)</b> Title: Observation of Silicon Carbide Nanostructures from Carbon Nanotubes Template with Controlled Silicon Layer Thickness	<b>MS. LAYLA HAYTHOOR KHARBOOT (UTM12)</b> Title: The Characterization of Pt-Al nanoparticles Synthesized by Room Temperature Wet Chemical Synthesis
	1645 - 1700	<b>MR. ABQARI LUTHFI ALBERT BIN ABDULLAH (UPNM05)</b> Title: Morphological and Electrochemical Properties of Single-Layer Graphene Decorated with ZnO Hollow Spheres for Supercapacitor Applications	<b>DR. TAMER A TABET (OTHER07)</b> Title: The Effect of Oxygen and Air Flow on the Characteristic of Zinc Oxide ZnO Nanorods	

### Detail of Parallel Session for Oral Presentation Day 2

DATE	TIME	AGENDA		
19 August 2021 (Thursday)		Parallel Session D	Parallel Session E	Parallel Session F
	0900 - 0915	<b>MS. NURSAMIRAH BINTI ROSHIDAN (UIAM10)</b> Title: The Effect of Polyvinyl Alcohol Addition on the Solid Carbon Infusion in Zirconia-Toughened Alumina	<b>DR. FADHLUL WAFI BIN BADRUDIN (UPNM09)</b> Title: Evaluation of DFT Study on the Olivine LiFePO <sub>4</sub> Polyanionic Cathode Materials	<b>DR. MOHD FAIRUZ BIN SHAMSUDIN (UTM07)</b> Title: Detection of Vibration Induced Fatigue Crack Propagation Using a Hybrid Method
	0915 - 0930	<b>MRS. NABILAH FATHIAH (UPNM18)</b> Title: Ionizers as Major ESD Countermeasure in 12nm Gate Oxide Semiconductor Manufacturing	<b>MR. DANIEL CHIN JIE YUAN (USM10)</b> Title: 3D Reconstruction and Visualization using Marching Tetrahedra Framework for Bioceramic Bone Filling	<b>DR. ALINDA SAMSURI (UPNM14)</b> Title: Physical and Chemical Reduction Behaviour of Chromium Doped to Molybdenum Oxide in Carbon Monoxide Atmosphere
	0930 - 0945	<b>MR. YOHANNES NYAMBONG ANAK LOWRANCE (UTHM17)</b> Title: Influence of Electrophoretic Deposition (EPD) Voltage on SOFC Interconnect Morphology	<b>DR NAZRUL HIZAM BIN YUSOFF (NUKLEAR13)</b> Title: Industrial SPECT Simulation for Imaging Laminar Flow Level in a Pipeline using MCNPX code.	<b>MR. MOHAMAD SAIFUL BIN SULAIMAN (OTHER05)</b> Title: Tectona grandis: Examine an Ultrastructure on Cultivated Teak due to the Scanning Electron Microscopy Enhanced by Heat Treatment Process
	0945 - 1000	<b>MUHAMAD NOOR IZWAN ISHAK (NUKLEAR12)</b> Title: Deriving the Hounsfield Units using Gray Levels in X-ray Computer Tomography	<b>NURNADIA NADIRA DIN (UPNM15)</b> Title: Tropical Climate Adaptation via Biomimicry and Surface Functionalization for Electronic Circuitry	<b>DR. ZUBAIDAH AIMI ABDUL HAMID (UMK09)</b> Title: Physiochemical Properties of Biofilm from Dioscorea hispida Starch Blended with Glycerol Extracted from Recycle Cooking Oil

19 August 2021 (Thursday)	1000 - 1015	<b>DR NOORASHIKIN MD SALEH (UKM02)</b> Title: Polyethylene Glycol Nanoparticle As a Based Nanofluid For ImprovementThe Thermal Conductivity Solar Collector	<b>MRS. RAQIBAH NAJWA BT MUDZAFFAR (UIAM12)</b> Title: Comparative Study on the Wears of ZTA-TiO <sub>2</sub> -Cr <sub>2</sub> O <sub>3</sub> Ceramic Cutting Tool and Kennametal Commercial Ceramic Cutting Tool	<b>ASSOC. PROF. DR. MOHD HAZIZAN BIN MOHD HASHIM (USM11)</b> Title: Effect of Particle Morphology on the Fracture Characteristics of Various Weathering Grade Sandstone
	1015 - 1030	<b>DR. JAN SETIAWAN (OTHER01)</b> Title: Phase Composition of Sintered AlCrFeNi	<b>MRS. NOR SHAHIRA BINTI MD RUDIN (UTM08)</b> Title: Evaluation of Reduced Graphene Oxide Formation Using In-Plane XRD Measurement	<b>DR. NORSHAHIDA SARIFUDDIN (UIAM06)</b> Title: Prediction And Optimization Of Tribological Behaviour Ofcarbon/ Kenaf Fiber Reinforced Epoxy Matrix Hybrid Composites



### Detail of Poster Presentation

1	ASSOC. PROF. DR. AINUN RAHMAHWATI AINUDDIN	UTHM01	Growth of Nanostructured Zinc Oxide on Flexible Conductive Substrate: A Review
2	DR. AHMAD ZAHIRANI AHMAD AZHAR	UIAM01	Compressive Strength of Concrete Bricks with Recycled Concrete Sludge Waste
3	PROF. DR. ZAINAL ARIFIN AHMAD	USM19	Compressive Strength of Zirconia-Toughened Alumina (ZTA) Foam with CaCO <sub>3</sub> and CeO <sub>2</sub> addition via Polymeric Sponge Replication Technique
4	DR. WAN FAHMIN FAIZ WAN ALI	UTM16	PH Effect of Microbial Corrosion by Pseudomonas aeruginosa sp. on Galvanized Steel
5	DR. ROSHASNORLYZA HAZAN	NUKLEAR04	Recovery of Light Rare Earth Elements (LREE) from Monazite by Alkaline Fusion;
6	DR. SHAH RIZAL BIN KASIM	USM20	Effect of Adding Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) and Sodium Dodecyl Sulphate (SDS) to the Properties of Fly Ash (FA)-Based Geopolymer Mortar
7	ASSOC. PROF. DR. HASAN ZUHUDI ABDULLAH	UTHM06	The Mechanical Integrity of Self-Healing Coating Embedded with Microencapsulated Vegetable Oil;
8	DR. KHAIRUL ANUAR BIN SHARIFF	USM05	Effect of Exposure Time on the Compositional and Morphological Change of DCPD-Coated $\beta$ -TCP Bioceramic
9	MR. AHMAD KHAIRULIKRAM ZAHARI	NUKLEAR05	Coal Power Plant Fly Ash Characterization Assessment for Geopolymerization Process
10	NIK AKMAR REJAB	USM07	Crystallinity of Nanocellulose and its Application in Polymer Composites:A Short Review
11	DR. CIK ROHAIDA CHE HAK	NUKLEAR06	Extraction of Thorium Oxide (ThO <sub>2</sub> ) from Malaysia Monazite through Alkali Digestion : Physical and Chemical Characterization Using X-Ray Analysis
12	ASSOC. PROF. DR. FAKROUL RIDZUAN BIN HASHIM	UPNM04	Compressibility Characteristics of Peat Soil Treated with MUF-P Resin
13	DR. MOHAMAD NAJMI MASRI	UMK01	Morphology and Structural Properties of Sn-Bi Lead-Free Solder in Potassium Hydroxide
14	DR. AN'AMT MOHAMED NOOR	UMK04	Graphene Oxide-Alginate for Enhanced Antibacterial

15	DR. ROZIDAINI MOHD GHAZI	UMK05	Response Surface Methodology Optimization of Chemical Oxygen Demand Removal by Rice Husk Activated Carbon
16	DR. TEO PAO TER	UMK07	Effects of Curing Parameters and Sintering Temperature to Properties of Geopolymer Clay-Based Ceramic Incorporated with Electric Arc Furnace (EAF) Slag Waste
17	DR. ARLINA BINTI ALI	UMK08	Characterization of controlled pH variation on zinc oxide nanostructured by hydrothermal method
18	MS. AMALIN SOFIA BINTI CHE MIUR	UMK10	Characteristic Study of Ionic Ultrafiltration Membrane Towards Humic Acid (HA) Removal
19	MS. SYIFA' MUHAMAD SHARIFUDDIN	UMK11	Influence of Feldspar Addition on the Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramic
20	MS. SITI HAJAR MOHD	UMK12	Effect of Chemical Treatment on Mechanical and Morphological Properties of Sugarcane Bagasse Reinforced Unsaturated Polyester Composite
21	MS. NURUL AINNABILAH BINTI MOHD ROSDI	UMK14	Effect of Graphene on Mechanical and Morphological Properties of Coconut Shell reinforced Unsaturated Polyester Composite;
22	DR. MARDAWANI MOHAMAD	UMK15	Malachite Green Dye Adsorption By Eggshell Using Response Surface Methodology
23	DR. MOHAMAD BASHREE ABU BAKAR	UMK17	Mechanical Properties Of Cellulose Nanocrystal and Graphene Nanoplatelet as Hybrid Nanofillers in Poly(lactic) acid Biocomposites
24	DR. SITTI FATIMAH MHD RAMLE	UMK18	Characterization of Thin Film PLA/PBAT Reinforced with Microcrystalline Cellulose Derived from Gigantochloa alba
25	MS. NURUL AINON BINTI BAKAR	UMK19	Characterization of Terracotta Clay Properties from Belipot Craft with Different Firing Temperature
26	MS. WAN NOR DINI WAN NOR AZLI JASMI	UMK21	Thermal Properties of Modified Ca <sub>1-x</sub> Cu <sub>3-x</sub> Ti <sub>4</sub> O <sub>12</sub> Type Solid Solution at 1030 °C in Nitrogen and Oxygen Environment
27	MS. SITI MARIAM MAT NOR	UMK22	Characterization of Singgora Clay Properties with Different Firing Temperature

28	MR. NORUZAMAN BIN DAUD	UMK23	Enthalpy and Phase Structure of $\text{CaCu}_3\text{xTi}_4\text{O}_{12+\text{x}}$ System Isothermal Oxidation at 1000 °C Using Modulated TGA/DSC
29	DR. NADIAH AMERAM	UMK25	Synthesis and Characterization of Silver Nanoparticles Immobilized onto Rice Husk -SiO <sub>2</sub> - Aminopropylsilane in Reduction of Nitroarenes
30	ASSOC. PROF. DR. JULIE JULIEWATTY MOHAMED	UMK20	Study of Specific Heat Capacity and Phase Structural of $\text{CaCu}_3\text{-xTi}_4\text{O}_{12\text{-x}}$ System Oxidation at 1000 °C Using Simultaneous TGA/DSC
31	MS. SITI NURUL SYAFIKA SHEIKH IBRAHIM	UTM13	Uv Radiation Crosslinking of Acrylated Palm Olein (APO) Copolymer Resins for 3D Printing
32	MR. HILMI IBRAHIM	UTM15	Transient Size Analysis of Carbon Nanotube Synthesis in Methane Diffusion Flame
33	MS. ROZAINITA ROSLEY	UTHM02	PRODUCTION OF Cu-Sn-Zn TERNARY ALLOY VIA ELECTROPLATING USING LESS HAZARDOUS ELECTROLYTE
34	DR. SITI AMIRA OTHMAN	UTHM04	Effect of Ferrite as Filler in Sugarcane Bagasse Paper via Irradiation Method
35	DR. SITI AIDA BINTI IBRAHIM	UTHM07	Comparative Study of Fe,N-TiO <sub>2</sub> Photocatalysts under UV Light Irradiation
36	DR. ZAKIAH BINTI KAMDI	UTHM08	Effect of Spherical Tungsten Carbide Content to the Corrosion Behaviour of Plasma Transfer Arc Hard-Facing in Acidic and Alkaline Environment
37	DR. ROSNIZA HUSSIN @ISA	UTHM09	Green Synthesis of Nanostructured ZnO-TiO <sub>2</sub> Thin Films
38	MS. NEO ZHI ZING	UTHM20	Investigation on Structure-Directing Effect of Plant Extracts to ZnO Microstructure
39	DR. NUR AZAM BIN BADARULZAMAN	UTHM13	Characterizations of Calcium Oxide from Calcined Eggshell Waste
40	MS. SITI KHADIJAH BINTI DERMAWAN	UTHM18	Extraction and Characterization of Natural Hydroxyapatite from Black Tilapia Fish Bone for Biomedical Applications
41	MR. MUHAMAD ZAKI BIN JAFFRI	UTHM19	Characterization of the Halal Natural Hydroxyapatite Extract from Black Tilapia Fish Scale
42	DR. MOHAMAD ROHAIDZAT MOHAMED RASHID	UITM01	A Preliminary Investigation on Fly Ash Based-Geopolymer Partially Replaced

			with Sago Pith Waste Ash under Ambient Condition
43	DR. NURUL AIZAN MOHD ZAINI	UITM03	Influence of Gamma-Irradiation on Swelling Percentage, Flammability Resistance and Morphological Analysis of EPDM/Sepiolite Composites
44	DR. NORLIZA DZAKARIA	UITM06	Nickel Oxide Supported SiO <sub>2</sub> Catalyst Reduction Behavior in Carbon Monoxide Atmosphere
45	MS. ROSHAZITA BINTI CHE AMAT	UNIMAP01	Use of Municipal Solid Waste Incineration Bottom Ash and Rice Husk Ash as Blended Cement
46	DR. SITI KARTINI BINTI ENCHE AB RAHIM	UNIMAP04	Production on Fermentable Sugar via Diluted Acid Hydrolysis of Sugarcane Bagasse
47	MR. MUHAMMAD ZAMEEL HAKIM BIN AHMAD SABRI	UNIMAP 07	STUDY OF FLY ASH EXPOSED TO ELEVATED TEMPERATURE
48	MS. NUR AFIFAH BINTI MOHD KHAIRUDDIN	UNIMAP08	Study of Different Composition of Gypsum as Retarder in Ordinary Portland Cement
49	MR. ABDULLAHI ALI OMAR	UNIMAP05	Interfacial Transition Zone (ITZ) Study of Concrete with Polyethylene Terephthalate (PET) Plastic
50	MS. SUFFI IRNI BT ALIAS	UNIMAP09	Preparation of Porous Porcelain with Treated Flue Gas Desulfurization (FGD) Sludge as the Foaming Agent
51	MOHD SALMAN BIN MOHD SABRI	UPNM06	The effect of heat treatment annealing on structural properties of MnCoGe compound
52	MR. ABDUL RASHID ABDUL RAHMAN	UPNM02	Structural Behaviour and Electrical Properties of a Ball Milled MnCoGe Compounds
53	DR. NOOR FADZILAH MOHAMED SHARIF	UPNM07	Effect of N-719 dye loading study after photoelectrode is sensitised with Graphene Quantum Dots for dye-sensitised solar cell (DSSC).
54	NAZRUL FARIQ MAK MOR	UPNM17	Influence of Annealing Temperatures on the Structural Behaviour and Electrical Properties of La(FeSi) <sub>13</sub> Alloys
55	DR NOOR FADZILAH SYARIF	UPNM12	Bandgap narrowing mechanism for TiO <sub>2</sub> photoanode of dye-sensitised solar cells (DSSCs) using Carbon Quantum Dots (CQDs)
56	DR. WAN NAZWANIE WAN ABDULLAH	USM01	Catalytic Oxidative Desulfurization of Model Diesel Using TBHP-DMF system



57	MS. TUAN NUR IZZAH BINTI TUAN AB RASHID	USM03	Effect of Calcium Salt Coating on Cordierite Powders on Bioactivity Properties
58	DR. NURASMAT BINTI MOHD SHUKRI	USM04	A Study on the Catalytic Technology for Reduction of Naphthenic Acid Compound from Acidic Crude Oil
59	DR. MOHAMMAD KHAIRUL AZHAR ABDUL RAZAB	USM08	Potential of Bamboo Activated Carbon for Radioactive Spillage Decontamination in Radioiodine Therapy
60	MR. AHMAD KAMIL FAKHURDIN BIN MOHD MOKHTAR	USM12	Effect of Sintering Temperature on Hardness of Bioactive Glass - Cordierite Composite
61	DR. HAMISAH ISMAIL	USM18	Preliminary Study on the Bioactivity Properties of Cordierite/ $\beta$ -Wollastonite Biocomposite Ceramics;
62	ASSOC. PROF. DR. HASMALIZA MOHAMAD	USM13	Synthesis and Characterization of Sol- Gel Derived Strontium Doped S53P4 Bioglass
63	DR. SYAZANA BINTI AHMAD ZUBIR	USM14	Synthesis and Characterization of Palm Kernel Oil Polyol based Shape Memory Polyurethane: Effect of Different Diisocyanates;
64	MR. SANJITH UDAYAKUMAR	USM15	Microwave-assisted acid digestion of Malaysian monazite for determination of REEs using ICP-MS
65	DR. MOHD AL AMIN BINMUHAMAD NOR	UMT01	Hydrothermal Conversion of Fish Bone Sardinella fimbriata sp. to Hydroxyapatite
66	MS. SITI SALWA ZAINAL ABIDIN	NUKLEAR09	Fabrication and Characterization of Nickel Oxide Nanofibers by Electrospinning Technique
67	MRS. MASLIANA BT MUSLIMIN	NUKLEAR10	Physical Properties of $\gamma$ Irradiated TiO <sub>2</sub> Nanoparticles
68	DR. HAFIZAH HANIM MOHD ZAKI	UIAM04	Porous NiTi Shape Memory Alloy Fabricated via Powder Metallurgy Technique Using Pore Forming Agent
69	DR. AFIFAH MOHD. ALI	UIAM05	The Effect of MWCNT addition to properties of ZTA cutting tools
70	DR. HANISAH MANSHOR	UIAM11	Effect of Pressure Load on the Physical Properties of ZTA-TiO <sub>2</sub> -Cr <sub>2</sub> O <sub>3</sub>
71	MS. NORHAZIRAH AZHAR	NUKLEAR01	Scrubbing and Stripping of Thorium from Malaysian Xenotime
72	MRS. SITI AMINAH BT OMAR	NUKLEAR03	Distribution of elements in local brown rice using EDXRF and NAA technique

73	MR. WILFRED PAULUS	NUKLEAR14	Characterization of Yttrium phosphate from Malaysian Xenotime
74	MRS. NOR HAYATI ALIAS	NUKLEAR07	UV-VIS, FTIR and shielding properties of lead doped boro-tellurite glasses
75	DR. MOHD REUSMAAZRAN BIN YUSOF	NUKLEAR11	ELECTRON-BEAM IRRADIATION OF THE COMPOSITE NANOFIBERS
76	NUR AQILAH SAPIEE	NUKLEAR16	Extraction of Yttrium from Rare Earth Oxalates by using Di-Ethylhexyl Phosphoric Acid
77	MS. MAZIHA MOHAMAD	UTM05	Corrosion Behaviour Zn-Al-Sb Coated Steel Wire Rope Made by Hot Dip Galvanizing
78	MR. MOHD SAHRIL	UTM06	Mechanical and Wear Characteristic of Wc Coated AlCrN at Various PVD Coating Temperature
79	MRS. PRANJALI JOSHI	OTHER08	Application of XRD based different quantitative methods in characterizing various Industrial materials