

SESSION 1: Wednesday 24 June 08:00 – 10:00 GMT/UTC

Session Name	Good Health and Wellbeing (SDG 3) Room 1	Good Health and Wellbeing (SDG 3) Room 2	Good Health and Wellbeing (SDG 3) Room 3	Clean Water and Sanitation (SDG 6) Room 1	Responsible Energy (SDGs 7 and 12) Room 1	Sustainable Planet (SDGs 2, 11, 13, 14 and 15)	Community, Education and Industry (SDGs 1, 4, 5, 8, 9, 10, 16 and 17)
Session Code	1GHW1	1GHW2	1GHW3	1CWS1	1RE1	1SP1	1CE11
Session Chair and Judges	Session Chair Dr Tameryn Stringer (New Zealand) Judges Dr Jamal Hassan (United Kingdom)	Session Chair Dr Sameem Bilqees (Australia) Judges Dr Then Yoon Yee (Malaysia) Dr Omolara Adeboye (Nigeria)	Session Chair Judges Professor Clint Veal (South Africa) Mr Saddat Hussain (Pakistan)	Session Chair Dr Ashok K. Pandey (India) Judges Dr Moses Kabomo (Botswana) Dr Rakhi Khandelwal (India)	Session Chair Professor Neil Coville (South Africa) Judges Dr Bharat Kumar Allam (India) Dr Masnun Naher (Australia)	Session Chair Dr Philip Norcott (Australia) Judges Dr Jess White (Australia) Prof Adam Lee (Australia)	Session Chair Professor Sarah Masters (New Zealand) Judges Dr Sam Perry (United Kingdom)
08:00	Opening Ceremony						
08:10	P01 Antimicrobial Nanocellulose Platforms for Sustainable Infection Prevention	P13 Diclofenac Lauryl Ester Prodrug Nanoparticles: Attenuating Inflammation and HALTING Intervertebral Disc Degeneration	P25 Development of Precision CRISPR/Cas-Based Antimicrobials for the Selective Elimination of Staphylococcus species	P72 Sustainable Fabrication of Click MOF–Hydrogels via Thiol–Maleimide/Norbornene Coupling for Efficient Removal of Toxic Organic Dyes,	P113 Single-Atom Photocatalyst as Floatable Artificial Leaf for Upcycling Oceanic Plastic Waste	P140 Influence of Imidazolium-Based Ionic Liquids on Restructuring of Water: Role of Cationic Alkyl Chain Length	P174 Cell-free Protein Synthesis with Incorporation of Imino Acids
08:20	P02 Study of the emulsifying capacity of mucilage from the pods of <i>Abelmoschus esculentus</i>	P14 Dexamethasone Lipoidal Prodrug Nanoparticles for Sustained and Enhanced Anti-inflammatory Efficacy in Retinal Pigmented Epithelial Cells	P26 Fabrication and characterization of Ceylon cinnamon bark oil-incorporated nano-emulsion for topical antifungal applications against Trichophyton mentagrophytes	P73 Characterization, Fabrication and Application of Aluminium doped Fresh Water Snail Shell Biochars for Efficient Fluoride Removal.	P114 Enhancement of a Urea-formaldehyde resin by Intercalated kaolinites	P141 INVESTIGATING MORPHOLOGY AND PHYSICAL PROPERTIES OF PORTLAND CEMENT INCORPORATING NOVEL DEEP EUTECTIC SOLVENT	P175 9,9'-Bifluorenyl-9,9'-diol as an effective purification tool for N-methyl- and N,N-dimethylaniline mixtures through supramolecular chemistry strategies
08:30	P03 Bioactive Monoacylglycerols: Lipid-Derived Molecules with Therapeutic Potential from Natural and Synthetic Sources.	P15 Antimicrobial and Physiochemical Properties of Nystatin-Coated Zinc Oxide Nanoparticles Incorporated in Mucilage Hydrogel	P27 Multi-Population Microencapsulated Topical Analgesic System Targeting Sustainable Pain Management	P74 Sequestration of Amoxicillin from Wastewater using Al O –Fe O Biomass-Based Nanosorbent: Comparative and Antimicrobial Studies	P115 Type-II van der Waals ² heterostructures of SiC/Al ₂ O ₃ OS monolayers for Photocatalysis and Optoelectronics Applications	P142 Polarity-Reversed Trifluoroacetyl Radical Three-Component Assembly of Alkene-Heteroarene Frameworks via Consecutive Photoinduced Electron Transfer	P176 Peroxides as Host Compounds: An Investigation of the Host Ability and Selectivity of Di-(9-(p-chlorophenyl)xanthen-9-yl) Peroxide in Mixed Xylenes/Ethylbenzene
08:40	P04 Synthesis of β-Hydroxy-β-methylglutaryl- coenzyme A reductase inhibitors utilizing in-situ and ex-situ recovered phytosterols from <i>Gymnema sylvestre</i> waste	P16 New Dansyl-Based Sultam Analogues: Synthesis, Characterization and Evaluation of their ROS Inhibitory Activity	P28 Development of Novel Ferrocene-Based Gold Complexes for Anticancer Applications	P75 PFAS mass balance in a drinking water treatment plant	P116 Heteroatom-doped biochar-derived carbon nanomaterials as metal-free electrocatalyst for efficient water splitting reaction	P143 Solar-driven carbon dioxide conversion to sustainable fuels.	P177 Host potential of N,N'-bis(9-(4-methoxyphenyl)-9H-xanthen-9-yl)ethane-1,2-diamine for the xylene and ethylbenzene isomers, and its selectivity behaviour.
08:50	P05 Green synthesis of silver nanoparticles using low molecular weight lignin: optimization, structural characterization, and antibacterial activity	P17 Newly Synthesized 2-Cyclopentylidenehydrazinylthiazoles as Potential Therapeutic Agents against Peptic Ulcer/Sehrish, Uzma salar	P29 Nephroprotective potential of <i>Phyllanthus emblica</i> , <i>Tinospora cordifolia</i> , and <i>Aerva lanata</i> polyherbal formula: In vivo evidence for kidney disease management	P76 Tailoring CoNb ₂ Mo ₂ O ₁₀ Columbite Oxides for High-Efficiency Dye Degradation in Wastewater Treatment	P117 Bioinspired Nano-Microreactors for Inhibition-Free Hydrogen Generation	P144 Bridging Ethnobotanical and Traditional Knowledge with Chemical Innovation	P178 The behaviour of (4R,5R)-bis(diphenylhydroxymethyl)-2-spiro-1'-cyclohexane-1,3-dioxolane in pyridine/methylpyridine and pyridine/methylpyridine/water mixtures
09:00	P07 Computationally Guided Repositioning of Clinically Relevant Compounds Against Plasmodium falciparum Polyl-rRNA Synthetase	P18 Pharmacists as Champions in Environmental Antimicrobial Stewardship: Reducing Antibiotic Waste and Disposal Impact	P30 Molecular dynamics study of disulfide bond stability and surface modification in InterLeukin-4 (IL-4)	P77 Ce/Co Co-Doped Bi WO ₄ for Efficient Solar-Driven Photocatalytic Degradation of Dye Pollutants: Structural, Optical and Dielectric Insights	P118 Bioinspired Symbiotic Architectures for Solar-Driven CO Conversion, Sustainable Fuel Production and Renewable Energy Generation through Lichen Logic	P145 Investigating PHA syntheses for better bioplastic production	P179 N,N'-bis(9-(4-chlorophenyl)-9H-thioxanthen-9-yl)butane-1,4-diamine as a host compound for organic heterocyclic solvents
09:10	P08 Pharmacophore Screening, Molecular Docking, and ADMET-Based Prioritization of ChEMBL Compounds Targeting the 5-HT1A Receptor for Anxiety Disorders	P19 Pyrazolyl-Pyridine Ruthenium Complexes: A New Metallic Line of Defence Against Multidrug-Resistant <i>Acinetobacter baumannii</i>	P31 CRISPR/Cas9-Mediated Targeting of Glycolytic Enzymes in Cancer Metabolism as a Therapeutic Intervention	P78 Sustainable Removal of Malachite Green from Aqueous Solutions Using Algal-Derived Rhizoclonium Hookeri Biochar	P119 Structural and electrocatalytic studies to unveil the synergistic effect of B site cations diversity in La _{0.6} Sr _{0.4} Co _{1-x} BxO ₃ (B = Ni, Fe, Cu, Cr) materials	P147 Sustainable Drug Delivery Using Biodegradable Polymers: An Eco-Friendly Approach to Pharmaceutical Innovation	P180 Comparative chemical profiling of essential oils of <i>Elettaria cardamomum</i> (L.) Maton and <i>Elettaria ensal</i> using GC-MS, FT-IR, and Raman spectroscopy
09:20	P09 Metal(II) Complexes of Mixed Ligands Trimethoprim and 2,2'-Bipyridine Heterocycle: Synthesis, Characterisation and Antimicrobial Studies	P20 Synthesis and Investigations into the Anti-Cancer Activity of Garlic-Inspired Benzyl Trisulfides	P32 Synthesis of (8-hydroxyquinolin-5-yl) methyl-4-nitrobenzoate as a fluorescence sensor for Zn ²⁺ detection.	P79 Voltammetric electro-oxidation of diclofenac using graphitic carbon nitride-tungsten oxide (CNWO) nanocomposite platform.	P120 Polythiophene/Non-fullerene Donor-acceptor Covalent Conjugates and Their Hybrids for Light Energy Harvesting Technologies	P148 WITHDRAWN	P181 Interdisciplinary Project-Based Learning in Higher Education for Advancing the Sustainable Development Goals through Science
09:30	P10 GC-MS Chemical profiling, antimicrobial, antioxidant and antidiabetic activities of the volatile oil from <i>Lannea acida</i> (A. Rich) leaves	P21 Preparation of Bi ₂ S ₃ and CeO ₂ for photoactive disinfection of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i>	P33 Development of a Conductive Scaffold, Incorporating Reduced Graphene Oxide and Metatitanic Acid Nanoparticles for Enhanced Tissue Regeneration	P80 PES-TFC membranes incorporating Fe-BTCA MOF/ Fe-BTCA@GO for effective remediation of paper and pulp wastewater	P121 Green Solvent-Based Sustainable Drug Formulation: A Step Toward Eco-Friendly Pharmaceutical Development	P149 ELECTROCHEMICAL PROPERTIES OF Au/MWCNT NANOCOMPOSITES FOR SUSTAINABLE SENSING APPLICATIONS	P182 ELECTROCHEMICAL AND SPECTROSCOPY CHARACTERIZATION OF IRON-NICKEL OXIDE NANOPARTICLE AS HIGH-PERFORMANCE ELECTRODE MODIFIER

09:40	P11 EVOLUTION-AWARE DESIGN OF β -LACTAMASE RESISTANT ANTIMICROBIAL AGENTS VIA INTEGRATED COMPUTATIONAL MODELLING	P22 In vitro antibacterial activity of Ceylon cardamom (Elettaria cardamomum) essential oil against selected bacterial pathogens	P34 Urban exposure to toxic metals in rapidly growing African cities: Evidence from street dust in Mbarara City, Uganda	P81 Microalgae as a catalyst for Wastewater Recycling to produce Sustainable green fertiliser	P122 Tunable properties (structural, Dielectric, Optical, I-V) of the High-Entropy Oxides (HEO) materials and their composite with biopolymer for green energy	P150 Investigation of the effects of alpha pinene hydroperoxide on UV-induced developmental toxicity of Zebrafish embryogenesis
09:50	P12 Nanoscale celecoxib prodrgugs: As Efficient Anti-Inflammatory Principle.	P23 Integrated computational approach for identifying Curcumin and its isomers as anti-cancer agents.	P35 Transformation of agricultural waste into nutraceutical and pharmaceutical products with the aid of In-silico methods		P123 Energy-Efficient Mechanochemical Synthesis of Novel Azomethines via Sustainable Schiff Base Formation	P152 Mild Oxidative Synthesis of N-Formamides With Bio-Based Pyruvaldehyde in Green Solvents
10:00	P184 Insights of antiplasmodial potentials of the secondary metabolites from Cyclicodiscus gabunensis: virtual screening, drug-likeness and molecular docking	P24 Synthesis and characterization of Euphorbia hirta based Zinc oxide nanoparticles: investigation of their antioxidant and antibacterial properties	P36 Design, Synthesis and Characterization of 1,3,5-Triaminotriazine and Oxalic/Succinic acid condensed polyamides		P124 Catalyst Design for Net-Zero Hydrogen Production	P185 Citric Acid-Modified Fe-MOF for Efficient Iron Delivery and Growth Promotion of Pennisetum Glaucum in Calcareous Soil
10:10	P62 Preparation and characterization of Ocimum tenuiflorum essential oil-loaded nanoformulation	P183 WITHDRAWN				
From 09:30	Publishing Q&A Session with Pat Hanna, Journal Manager, CSIRO Publishing & Early Career Network Q&A Session					
10:30	Close of Session 1					

SESSION 2: Thursday 25 June 00:00 – 02:00 GMT/UTC

Session Name	Good Health and Wellbeing (SDG 3) Room 1	Clean Water and Sanitation (SDG 6)	Sustainable Planet (SDGs 2, 11, 13, 14 and 15) and Responsible Energy (SDGs 7 and 12)
Session Code	2GHW1	2CWS1	2RE1
Session Chair and Judges	Session Chair Professor Alison Thompson (Canada) Judges Dr Tameryn Stringer (New Zealand) Dr Pasar Dar (India)	Session Chair Dr Michael Forde (Trinidad & Tobago) Judges Dr Jess White (Australia)	Session Chair Professor Sarah Masters (New Zealand) Judges Dr Wade Peterson (Australia) Dr Fran Kerton (Canada)
00:00	Opening Ceremony		
00:10	P37 A Multi-Modal Tyramide-Ruthenium Tag for amplified Elemental-Mass Spectrometry and Immunofluorescence Imaging	P82 ANbO (A = Li, Na, K, Ag) photocatalysts for the degradation of organic pollutants	P125 From Random Macropores to Ordered Nanopores: Regulating Ion Correlations for Dendrite-Free Rechargeable Aluminum Batteries.
00:20	P38 Green synthesis and characterization of silver nanoparticles from Crassocephalum crepidioides extracts : anticancer and anti-inflammatory potential	P83 Taking the "Forever" out of Forever Chemicals	P126 Ultrasound assisted ring opening of epoxides in HFIP THF Synthesis, characterization, computational studies and molecular docking of novel dithiocarbamates

00:30	P39 In silico Discovery and ML-guided Virtual Screening of Potential Plasmodium falciparum Calcium-Dependent Protein Kinase 4 (PfCDPK4) Inhibitors from ChemDiv	P84 Light-Initiated Continuous Flow Degradation of Per- or Polyfluoroalkyl Substances (PFAS)	P127 Utilization of Alpinia nigra leaves as a sustainable source of highly efficient heterogeneous catalyst for biodiesel production from waste cooking oil
00:40	P40 Lab-on-a chip electrochemical sensing platform for simultaneous, ultra-sensitive and on-spot detection of 4-aminosalicylic acid and 5-aminosalicylic acid.	P85 Visible-light degradation of PFAS: Forever Chemicals are not forever anymore!	P128 A theoretical study of the electronic and magnetic properties of pristine and defected bulk and monolayer MoO ₃ based on a first principle DFT calculations
00:50	P41 Advancing Photodynamic Therapy: Ruthenium Polypyridyl/Schiff Base Complexes for Dual Biomedical Applications	P86 Enhancing the photocatalytic destruction of Per- and polyfluoroalkyl substances (PFAS)	P153 ₂ ⁴ Madras Thorn Leaf-Derived Activated Carbon Coupled with NiCo S ₄ for High -Performance Asymmetric Supercapacitor: Mechanistic Insights into Hybrid Charge Storage
01:00	P42 Preparation and evaluation of alginate scaffolds enriched with Kigelia africana	P87 Amalgamated Experimental, DFT, Monte Carlo, and Molecular Dynamics Investigation of Low Cost Biosorbents for Dichlorodiphenylethane Sequestration from Water	P154 Microbes for the Next Green Technology and Sustainable Development: Soil Revolution
01:10	P43 Smart Targeted Nanotherapy for Breast Cancer Using RGD-Functionalized ZIF-8 to Repurpose Mesalamine	P88 Synthesis of ZnO and BiOCl nanoparticles for the photodegradation of rhodamine b xanthene dye	P155 From Shore to Structure: Engineering Sustainable Polymers from Seafood Waste
01:20	P44 Ultrasonic-assisted extraction of Phytochemicals from Securinega Virosa: RSM optimazation, Characterisation and In-Vitro /In-Silico Antioxidant Evaluation.	P89 ELECTROCHEMICAL DETECTION OF IRON IN WATER AT MWCNTS-Ag-ZnO MODIFIED SCREEN-PRINTED CARBON ELECTRODE	P156 Occurrence, Transport, Fate, and Regulation of Microplastics Across Canadian Environments
01:30	P45 Molecular insights into antibiofilm inhibitors of Streptococcus mutans glucosyltransferases through in silico approaches	P90 Green Valorisation of Cocoa Pod Husk into Carbon Quantum Dots for Water-Safe Fluorescent Detection of Pb ²⁺	P157 Exploring the use of imine-functionalized silica nanoparticles as nanosensors for imidacloprid: A computational and experimental study

01:40	P46 Isolated compounds from <i>Kigelia africana</i> stem bark extract against <i>Mycobacterium tuberculosis</i> : Insights into In-silico studies	P91 Turning Waste into Lifesaving Carbon: High-Performance Adsorbents for Drug Detoxification	P158 "Green synthesis of copper oxide nanoparticles using <i>Annona muricata</i> leaf extract: optimization, characterization and antimicrobial activity"
01:50	P47 Characterization and stability studies on the betalain pigments isolated from freeze-dried <i>Rivina humilis</i> berries.	P92 Optimization of photocatalytic removal of paracetamol using sulfur doped graphitic carbon nitride (SCN)	P159 Exploring Structural Variations in Tris-HBC Nanographenes: Implications for Pi-Stacked Porous Solid Design
02:00	P06 FORMULATION OF A TOPICAL CREAM USING VIRGIN COCONUT OIL EXTRACTED FROM PANDAN COCONUT		P160 Effect of microwave assisted cold stripping methods on recycling of cotton fabric
02:40	Close of Session 2		

SESSION 3: Thursday 25 June 15:00 – 17:00 GMT/UTC

Session Name	Good Health and Wellbeing (SDG 3) Room 1	Good Health and Wellbeing (SDG 3) Room 2	Clean Water and Sanitation (SDG 6) Room 1	Clean Water and Sanitation (SDG 6) Room 2	Responsible Energy (SDGs 7 and 12)	Sustainable Planet (SDGs 2, 11, 13, 14 and 15)
Session Code	3GHW1	3GHW2	3CWS1	3CWS2	3RE1	3SP1
Session Chair and Judges	Session Chair Professor Ireshika De Silva (Sri Lanka) Judges Dr Omolara Adeboye (Nigeria) Dr May Lee Low (Malaysia)	Session Chair Dr Bunty Sharma (United Kingdom) Judges Dr Jamal Hassan (United Kingdom) Dr Ainka Brown (Jamaica)	Session Chair Dr Bharat Kumar Allam (India) Judges Professor Neil Coville (South Africa) Dr Rupesh Gaikwad (India)	Session Chair Dr Michael Forde (Trinidad & Tobago) Judges Professor Priyani Paranagama (Sri Lanka) Dr Stephen Hendry (United Kingdom)	Session Chair Professor Alison Thompson (Canada) Judges Dr Moses Kabomo (Botswana) Dr Sam Perry (United Kingdom)???	Session Chair Dr Nilay Karchaudhuri (India) Judges Dr Juliana Vidal (Canada) Dr Lydia Rhyman (Mauritius)
15:00	Opening Ceremony					
15:10	P48 Role of Neuroinflammation in Brain Tumor Progression: Microglia-Astrocyte Crosstalk as a Therapeutic Target	P60 Fish gelatin nanoparticles: An effective carrier for curcumin delivery	P93 Sustainable and Highly Efficient Removal of Levofloxacin from Water Using GO–Cu MOF Recovered from Spent Mobile Batteries	P103 Photocatalytic degradation ² of tetracycline in water using Bi CuO photocatalyst	P130 Toward A Circular Bioeconomy: Biochemical Valorization of Lemongrass For Biomethane Production and Digestate as Biofertilizer	P161 Quantification of Aircraft Landing and Take-Off (LTO) Emissions and Environmental Implications at Hazrat Shahjalal International Airport, Dhaka, Bangladesh
15:20	P49 Antibacterial isobiflavonoids from Ochna pulchra Hook. root bark	P61 Nanoscale Lipid Methylprednisolone Conjugates: Synthesis, Characterization, and Therapeutic Efficacy in Targeted RPE Inflammation	P94 Green ³ ⁴ Synthesis of Magnetic CuS/Fe O Nanocomposites for Selective Mercury Removal from Water	P104 Enhanced absorption and fluorescence quenching method for detection of Cr(VI) ions using avocado seed-derived carbon quantum dot as pseudo derivatising reagents	P131 Pore-Size-Engineered Vertically Aligned CoFe Layered Double Hydroxides on Carbon Supports: Correlation Between Structure and Activity for Oxygen Evolution	P162 Integrated Source Apportionment and Risk Assessment of Heavy Metals Using Car Air Filter Dust as a Semi-Quantitative Active Air Sampler in Dhaka, Bangladesh
15:30	P50 Click-Enabled Conductive Hydrogels Templated by Gold-Binding Peptides	MOVED TO SESSION 1	P95 Polyaniline-TiO nanocomposite hollow fibre membranes for dye removal applications	P105 Photo-catalytic degradation of Rhodamine 6G under visible lamp using citrate stabilized ZnO nanoparticles	P132 High Efficiency Double Perovskites for Energy Storage Applications	P163 Soil Carbon Stocks and Mineralization Along a Tropical Catena in Ghana: Biogeochemical Controls and Kinetic Modelling.
15:40	P51 Computational Re-engineering Transforms Venom Peptide into Potent Antimicrobial with Improved Membrane Selectivity	P63 Synthesis, characterization, theoretical modelling and biological assessment of diorganotin(IV) complexes with thiazole incorporating azo-Schiff base ligands	P96 Evaluation of Surfactant Extracted from Asparagus nelsii Schinz roots in Detergent Formulation	P106 Development and characterization of a DNA-based biosensor for nanomolar fluoride detection in environmental waters.	P133 WITHDRAWN	P164 Plasmon-Driven CO2 Reduction via Hot-Electron Relay in Trimetallic Antenna-Reactor Catalysts: Mechanistic Insights and Reactor Design Principles
15:50	Virtual Screening and Molecular Dynamics Identify Promising Plasmodium falciparum D-Enoyl-ACP Reductase Inhibitors for Drug Discovery	P64 Metabolomics-Guided Discovery of Putative Antimicrobial Drug Candidates from Anonidium mannii	P97 Seasonal and Source-Based Assessment of Physicochemical and Microbial Water Quality in Rocky-Hill Settlements of Southwestern Nigeria	P107 Smart Sorbents & Algorithms: Engineering the Next Generation of Clean Water with Nanomaterials and Machine Learning	P134 ² High ² -performance ternary TiO /MoS /SnS electrode for sustainable energy storage applications	P165 Chitosan Nanoparticle-Encapsulated Urea as a Controlled Release Fertilizer: Impacts on Growth and Yield of Maize (Zea mays L.)
16:00	P53 A Facile Analytical Tool for the Simultaneous Determination of Topoisomerase Inhibitors in Human Serum and Urine	P65 Evaluation of bioactive properties of Megha Vac Recovery and Megha Primal Intake as novel herbal-based food supplements	P98 Bimetallic ZnO/CuO and MnO/CuO Nanoparticles as Sustainable Adsorbents for Heavy Metal Removal	P108 Integrating AI and Biomimetic Design for Heavy Metal Remediation Inspired by Eichhornia crassipes	P135 Engineering V–Co/N-Doped rGO Nanocomposites for Enhanced Alkaline Hydrogen Evolution Reaction	P166 Fluorescent Cinchona Alkaloid-based Copolymers
16:10	P54 Electropolymerization of phenolic based compounds on carbon electrodes for the selective detection and determination of Hypoglycin A: Application to Food Safety	P66 Evaluating the contribution of major herbal ingredients to the therapeutic potential of Megha Vac Recovery and Megha Primal Intake	P99 ² ³ Removal of Heavy Metals via h-B S with Kagome Architecture: A First Principles Approach to Sustainable Water Treatment	P109 Egg shell-activated carbon from water hyacinth for heavy metal removal from wastewater: Isotherm and kinetic studies	P136 WITHDRAWN	P167 Improving the sustainability of trace element analysis through plastic vial re-use
16:20	P55 Redox, optical and colorimetric lead and copper sensing behavior of some imine-type heavy metal probes: Implications in environmental safety and human health	P67 Evaluation of the anti-aging potential of Rajata Bhasma in D-galactose-induced oxidative stress in Wistar rats	P100 Functionalized Polymer Inclusion Membrane with Supramolecular Carriers for Efficient Organic Dye Removal.	P110 Kinetics of silver ion encapsulation as nanoparticles using Vaccinium oxycoccus plant extract for the efficient sensing of Cr(III) ions & its biological asses.	P137 Biochar-Sustained Bifunctional Magnetic Nanocatalyst for Biodiesel Production	P168 Development of Biodegradable Films from Natural Waste Materials for Eco-Friendly Food Packaging

16:30	P56 QSAR Virtual Screening Identifies Repurposed Drugs as Direct InH A Inhibitors for Drug-Resistant Tuberculosis	P68 Visible-light-activated antibacterial ² coatings incorporating modified TiO nanoparticles for safer indoor healthcare environments	P101 Synthesis and Adsorptive Study of Carbon Quantum Dots based Magnetic Composites derived from Plastic and Agricultural Wastes: Waste to Valuable Product	P111 Ultrasound-Assisted Electrocoagulation for PET Microplastic Removal: Interfacial and Physicochemical Mechanisms in Water Treatment	P138 Green hydrogen generation via Aluminum derived catalytic materials	P169 Sustainable Synthesis of Zinc Oxide Nanoparticles from Spent Coffee Grounds as a Reusable Catalyst in Biginelli Reaction
16:40	P57 Drug Repurposing for the Inhibition of 17β-HSD1 in Endometriosis: A Pharmacophore-Guided Virtual Screening and Molecular Dynamics Study	P69 Chemical Composition and Antioxidant Activity of Essential Oils and Cannabinoid Extracts from Cannabis sativa L. Cultivated in Trinidad and Tobago	P102 Synthesis and Kinetics of ^{0.25 0.25 0.25 0.25 3} Photocatalysis Mechanism of (La . Gd . Ca . Sr .)MnO for Wastewater Treatment	P112 Evaluation of Phenobarbital Adsorption Efficiency on Biosorbents or Activated Carbon Obtained from Adansonia Digitata Shells	P139 The potential of TiO ² -Kaolin nanocomposite for sustainable hydrogen gas storage	P170 Computational Investigation of Stability and Reactivity of Edge Effect in Biochar Using DFT
16:50	P58 Predictive Modelling (QSAR) and Computer-Aided Screening of Natural Products as Plasmodium falciparum Protein Kinase G (PfPKG) Inhibitors	P70 Antiviral Metabolites from Millettia oblata ssp. teitensis Leaves: Isolation and Characterisation				P171 Synthesis and Post-Drug ^{2 3 2} Loading of Ilmenite-Based Fe O /TiO Nanoparticles for Drug Delivery
17:00	P59 In silico antimicrobial potentials of amidoxime-based benzimidazole and benzimidamide derivatives	P71 AmaXhosa IKS-Inspired Ru(II) Complex: A Concept for Umhlonyane-Guided Anticancer Design				P172 Machine learning driven analysis of ZnO-CuO-CoO nanocomposite for photocatalyst dye degradation
17:10						P173 Predictive Design of Renewable Oil-Derived Thermosetting Polymers Using Machine Learning
From 16:30	Early Career Network Q&A Session					
17:30	Close of Posters Event					