

## 2023 Completions - Faculty of Science

### **Dr. John Adeola Adegoke**

(Specialisation: Chemistry) (Conferred: 17-Jan-2023)

Ultraviolet/Visible and Near-Infrared spectroscopy - A new pathway for rapid detection of diseases in blood, tissue, and bone

### **Dr. Patrick Robert William James Davey**

(Specialisation: Chemistry) (Conferred: 17-Jan-2023)

Bifunctional Polyazamacrocyclic Complexes for Radiopharmaceutical Applications

### **Dr. Vincentius Frantianto**

(Specialisation: Mathematics - other) (Conferred: 17-Jan-2023)

Multi-Layer Neural Network: Asymptotic Properties and Variable Significance Test

### **Dr. Xin Hai**

(Specialisation: Mathematics) (Conferred: 17-Jan-2023)

Distributionally Robust Optimization and its Applications in Portfolio Optimization

### **Dr. Thomas George Mason**

(Specialisation: Chemistry) (Conferred: 17-Jan-2023)

Developing methods for quantitatively accurate modelling of macromolecules and polymeric materials

### **Dr. Avi Vajpeyi**

(Specialisation: Astrophysics) (Conferred: 17-Jan-2023)

Astrophysical Inference in the Data Driven Era

### **Dr. Reinhold Turner Willcox**

(Specialisation: Astrophysics) (Conferred: 17-Jan-2023)

Refining Mass Transfer and Supernova Models in Binary Stellar Populations

### **Dr. Benjamin John Amiet**

(Specialisation: Mathematics and statistics) (Conferred: 01-Feb-2023)

Response Dynamics, Nash Equilibria and Random Games

### **Dr. Graeme Dean Berk**

(Specialisation: Physics) (Conferred: 01-Feb-2023)

Multitime Processes as Resources

### **Dr. Caleb Cheah**

(Specialisation: Microbial Biotechnology) (Conferred: 01-Feb-2023)

Exopolymeric Substances from Bacteria as Biomolecules for Green Approach to Metal Removal

### **Wai Teng Cheng**

(Specialisation: Microbiology) (Conferred: 01-Feb-2023)

Prevalence of antibiotic-resistant Staphylococcus aureus in the saliva of the Segamat community, Johor, Malaysia

### **Dr. Dissanayake Mudiyansele Deepamali Dissanayake**

(Specialisation: Chemistry) (Conferred: 01-Feb-2023)

Development of Aluminium-Based Lewis Acids as Catalysts for Organic Transformations

**Dr. Jonathan Murhabazi Hamisi**

(Specialisation: Geology) (Conferred: 01-Feb-2023)

Source of ligands and metals during the formation of Iron Oxide Copper and Gold deposits

**Dr. Benjamin William Husselbee**

(Specialisation: Chemistry) (Conferred: 01-Feb-2023)

The synthesis and application of conformationally restricted cystine and proline mimetics

**Dr. Md Anarul Haque Mondol**

(Specialisation: Agriculture, environmental and related studies - other) (Conferred: 01-Feb-2023)

Evaluating Meteorological and Technological Droughts and Their Relative Impacts on Agriculture in North Bengal, Bangladesh

**Dr. Lorenzo Carli**

(Specialisation: Organic chemistry) (Conferred: 15-Feb-2023)

Asymmetric Gold(I)- and Bronsted Acid-Catalysed Chemistry of Alcohols as Novel Strategies for Complex Molecule Synthesis

**Dr. Daniel Kenneth Martin Coelho**

(Specialisation: Mathematics and statistics) (Conferred: 15-Feb-2023)

High-Frequency Trading in Australia

**Dr. Sundus Khan**

(Specialisation: Applied chemistry) (Conferred: 15-Feb-2023)

The Fabrication of Polyvinyl alcohol Chemical Sensor for the Detection of Gallic Acid

**Dr. Roberto Nicolas Munoz**

(Specialisation: Physics) (Conferred: 15-Feb-2023)

On the hidden memory in complex systems: from fly brains to quantum processes

**Dr. Xuan Bach Nguyen**

(Specialisation: Chemistry) (Conferred: 15-Feb-2023)

Umpolung of Electron-Deficient Olefins Using Lewis Base Catalysis

**Dr. Khanh Chuyen Phung**

(Specialisation: Environmental science) (Conferred: 15-Feb-2023)

Effects of select pharmaceuticals and personal care products (PPCPs) on aquatic organisms and ecosystems

**Dr. Hazel Louisa Richards**

(Specialisation: Biology) (Conferred: 15-Feb-2023)

The functional morphology of extinct palorchestid marsupials

**Dr. Emily Lynn Richardson**

(Specialisation: Ecology and evolutionary biology) (Conferred: 15-Feb-2023)

Testing theory on the ecology and evolution of complex life cycles

**Dr. Yin Cheng Wong**

(Specialisation: Molecular Biology and Molecular Genetics) (Conferred: 15-Feb-2023)

Circular versus Linear DNA for Gene Delivery: Application towards The Genetic Complementation of Fabry Disease

**Dr. Douglas Howard James Jacob**

(Specialisation: Physics) (Conferred: 02-Mar-2023)

Beyond the Standard Model Explanations of the Muon g-2 Anomaly

**Dr. Veena Tarani Kelleppan**

(Specialisation: Chemistry) (Conferred: 02-Mar-2023)

The synthesis and analysis of zwitterionic surfactants: understanding the relationship between molecular architecture, self-assembly and other properties

**Dr. Mustapha Adamu**

(Specialisation: Atmospheric sciences) (Conferred: 15-Mar-2023)

The connection between short-term and long-term droughts and associated processes

**Dr. Lucinda Clare Aulsebrook**

(Specialisation: Ecology) (Conferred: 15-Mar-2023)

Impacts of pharmaceutical pollution on wildlife in a multi-stressor world

**Dr. Dale Antony Christensen**

(Specialisation: Analytical chemistry) (Conferred: 15-Mar-2023)

Applications of Vibrational Spectroscopy in the Fight Against Vector-Borne Diseases

**Dr. Bernard Allan Field**

(Specialisation: Physics) (Conferred: 15-Mar-2023)

Correlated electrons in a frustrated two-dimensional lattice on substrates

**Dr. Shanika Achini Galaudage**

(Specialisation: Astrophysics) (Conferred: 15-Mar-2023)

Population properties of black holes and neutron stars: the emerging picture from gravitational-wave astronomy

**Dr. Juan Carlos Actub Graciosa**

(Specialisation: Earth sciences) (Conferred: 15-Mar-2023)

Megathrust earthquakes: Inferences from numerical modelling and explainable artificial intelligence

**Dr. Svea Amrei Ladwig**

(Specialisation: Earth sciences) (Conferred: 15-Mar-2023)

Trace element and isotopic studies of Tonalite-Trondhjemite-Granodiorite suites to decipher the Archean crustal evolution of the Yilgarn Craton and worldwide

**Dr. Wenhui Zhao**

(Specialisation: Atmospheric sciences) (Conferred: 15-Mar-2023)

Cloud properties over the Great Barrier Reef and its interaction with local conditions

**Dr. Meri Ayurini**

(Specialisation: Organic chemistry) (Conferred: 29-Mar-2023)

Radical Decarboxylation for the Synthesis of Functionalised Polymers

**Dr. Jack Andrew Brand**

(Specialisation: Ecology and evolutionary biology) (Conferred: 29-Mar-2023)

Behavioural variation and environmental change: Understanding how ecological conditions mediate animal personality traits

**Dr. Sofia Anna Maria Dahlman**

(Specialisation: Microbiology) (Conferred: 29-Mar-2023)

From Culture to Sequencing: Deciphering the Temperate Nature of Human Gut Bacteriophages

**Dr. Isra Ahmad Farouk**

(Specialisation: Molecular Virology) (Conferred: 29-Mar-2023)

The biochemical and molecular studies on polyadenylate binding protein (PABPC1) and its role in the influenza A virus life cycle

**Tom Jean Daniel Lemaitre**

(Specialisation: Atmospheric sciences) (Conferred: 29-Mar-2023)

Modelling Convective Downdraft Intensities in a Warming Climate

**Dr. Davide Marchegiani**

(Specialisation: Atmospheric sciences) (Conferred: 29-Mar-2023)

Geo-engineering approaches to climate change

**Dr. Yael Simone Rodger**

(Specialisation: Ecology and evolutionary biology) (Conferred: 29-Mar-2023)

Genetic management of endangered Australian plant populations

**Dr. Anbrah Ebrheem A Alzubidi**

(Specialisation: Chemistry) (Conferred: 21-Apr-2023)

Chemical, electrochemical, and catalytic activity of TCNQFn ( $n = 0, 2, 4$ ) derivatives towards thiosulphate oxidation: Synthesis and characterisation of redox-active salts containing TCNQFn anions

**Dr. Ettore Camerlenghi**

(Specialisation: Ecology and evolutionary biology) (Conferred: 21-Apr-2023)

The multilevel society of a cooperatively breeding Australian songbird, the superb fairy-wren (*Malurus cyaneus*)

**Dr. Nissanka Prasangi De Silva**

(Specialisation: Biological sciences - other) (Conferred: 21-Apr-2023)

Using ecological and genomic approaches to restore Australian grasslands in the face of global change

**Dr. Chen-Shuo Fan**

(Specialisation: Atmospheric sciences) (Conferred: 21-Apr-2023)

Conceptual understanding of the drivers of the large-scale tropical circulation

**Dr. Rajashree Naha**

(Specialisation: Atmospheric sciences) (Conferred: 21-Apr-2023)

Interbasin Influences on the Pacific Basin Mean State

**Dr. Ke Xu**

(Specialisation: Chemical sciences general) (Conferred: 21-Apr-2023)

RAFT Emulsion Polymerization: Industrial Development and Challenges

**Dr. Brooke Zanco**

(Specialisation: Biological sciences - other) (Conferred: 21-Apr-2023)

The role of sterols in mediating the effects of dietary restriction in *D. melanogaster* females

**Dr. Yousef Zoleikhaei Bardehzardi**

(Specialisation: Geology) (Conferred: 21-Apr-2023)

Application of multi-mineral detrital provenance to unravelling sediment recycling, tectonic events, and paleogeography in northern Gondwana

**Dr. Melinda Krebsz**

(Specialisation: Chemistry) (Conferred: 04-May-2023)

Next-generation technologies for the electrosynthesis of ammonia from renewables

**Dr. Sneha Mullassery**

(Specialisation: Chemistry) (Conferred: 04-May-2023)

Synthesis and Characterisation of Low Oxidation State Main Group Element Complexes Utilising Extremely Bulky Ligands

**Dr. Sramana Neogi**

(Specialisation: Atmospheric sciences) (Conferred: 04-May-2023)

Understanding tropical circulation patterns and their impact on precipitation under global warming

**Dr. Siyuan Zhai**

(Specialisation: Inorganic chemistry) (Conferred: 04-May-2023)

Novel synthetic approach for the preparation of mono- and bis-aminoboranes and their initial reactivity studies

**Dr. Jack Ciaran Dorrat**

(Specialisation: Chemistry) (Conferred: 17-May-2023)

Decontamination of G-series Chemical Warfare Agents and the Detection of Breakdown Products using Coordination Complexes and Fluoride Ion Chemosensors

**Dr. Marycarmen Guadalupe Martinez Diaz**

(Specialisation: Environmental science) (Conferred: 17-May-2023)

Mangrove biogeography under climate change scenarios and urbanisation

**Dr. Muhammad Afiq Bin Md Ali**

(Specialisation: Earth sciences) (Conferred: 17-May-2023)

The role of Peninsular Malaysia during the Mesozoic to Cenozoic tectonic evolution of Southeast Asia

**Dr. Alexandra Hilary Nance**

(Specialisation: Ecology) (Conferred: 17-May-2023)

Improving conservation outcomes for small inhabited islands

**Dr. Zibo Zhou**

(Specialisation: Geochemistry) (Conferred: 17-May-2023)

The application of environmental isotopes in understanding of process in river catchments

**Dr. Nicholas Kyratzis**

(Specialisation: Chemistry) (Conferred: 31-May-2023)

Formation of Achiral and Chiral Coordination Polymers using Low Symmetry Ligands

**Dr. Sarmishta Munuganti**

(Specialisation: Chemistry) (Conferred: 31-May-2023)

Exploring the application of N-heterocyclic organometallic complexes as potential therapeutics

**Dr. Emmanuel Sarbeng**

(Specialisation: Atmospheric sciences) (Conferred: 31-May-2023)

Intense Tropical Thunderstorms in a Future Warmer Climate

**Dr. Emma August J Van De Reydt**

(Specialisation: Chemistry) (Conferred: 31-May-2023)

The Synergy of Copolymerization Chemistry and Artificial Intelligence

**Dr. Krithika Balagopal**

(Specialisation: Biology) (Conferred: 15-Jun-2023)

What is the cost of infection? Examining the role of macro- and micronutrients in shaping infection costs

**Woon Yao Chai**

(Specialisation: Food Science and Technology) (Conferred: 15-Jun-2023)

Enhancing Biosynthesis of Rosmarinic Acid in Plants of the Lamiaceae Family Using Spectrally Tunable Light-Emitting Diodes

**Dr. Nimrod Moshe Eren**

(Specialisation: Chemistry) (Conferred: 15-Jun-2023)

On The Interactions Of Allylic Phosphines And Phosphine Oxides With n-Butyllithium

**Dr. Lei Yu**

(Specialisation: Chemistry) (Conferred: 15-Jun-2023)

Catalytic strategies for asymmetric six-membered N,O-heterocyclic synthesis

**Dr. Ziwen Zhong**

(Specialisation: Mathematics) (Conferred: 15-Jun-2023)

Convergence to Nash Equilibria

**Dr. Wei Cao**

(Specialisation: Chemistry) (Conferred: 10-Jul-2023)

Synthesis, crystal engineering, and properties of amino acid functionalised imides and their coordination polymers

**Dr. Michelle Dos Santos Silva Amaral**

(Specialisation: Chemistry) (Conferred: 10-Jul-2023)

Bioaroma generation: research studies on the sustainable enzyme-catalysed synthesis and advanced gas chromatography analysis of flavour and fragrance compounds

**Dr. Tess Frances Hutchinson**

(Specialisation: Biogeochemistry) (Conferred: 10-Jul-2023)

Metabolic pathways of bacteria inhabiting dynamic sandy sediments

**Dr. Ielyzaveta Maksymivna Ivanova**

(Specialisation: Ecology) (Conferred: 10-Jul-2023)

Assessing the capacity of Australian terrestrial protected areas to conserve species

**Dr. Yuqin Ke**

(Specialisation: Mathematics and statistics) (Conferred: 10-Jul-2023)

Two-step Approximate Bayesian Computation for inferring network models using Copula

**Dr. Joshua Peter King**

(Specialisation: Physical sciences) (Conferred: 10-Jul-2023)

Complex Fluid Thin Films

**Dr. Junhan Kong**

(Specialisation: Chemistry) (Conferred: 10-Jul-2023)

Optical Imaging of Materials Below the Diffraction Limit

**Dr. Qile Li**

(Specialisation: Physics) (Conferred: 10-Jul-2023)

Understanding the electronic structure of intrinsic magnetic topological insulator -  $\text{MnBi}_2\text{Te}_4$

**Dr. Emily Anne Mckaige**

(Specialisation: Genetics) (Conferred: 10-Jul-2023)

Elucidating the diverse molecular roles of Z-disk proteins in muscle

**Dr. Charisse Reyes**

(Specialisation: Chemistry) (Conferred: 10-Jul-2023)

Fostering accessible online learning environments for chemistry

**Dr. Karl Vern Tan**

(Specialisation: Biomedical science) (Conferred: 10-Jul-2023)

Role of sirtuins in the regulation of *Toxoplasma gondii* interconversion between tachyzoite and bradyzoite cysts

**Dr. Alexander Blake**

(Specialisation: Ecology and evolutionary biology) (Conferred: 13-Jul-2023)

Eco-evolutionary consequences of food regimes

**Dr. Helen Joan Rushby**

(Specialisation: Biology) (Conferred: 13-Jul-2023)

How olfaction and dietary macronutrient content modulate feeding behaviour in flies and mice

**Dr. Sabrina Sayers**

(Specialisation: Environmental science) (Conferred: 13-Jul-2023)

Drones, Mangroves and Ecosystem Services: Using UAVs to bridge the gap between temperate mangrove vegetation structure and bio-geomorphology

**Dr. Marjia Sultana**

(Specialisation: Food Science and Technology) (Conferred: 13-Jul-2023)

Co-encapsulation of *Lactobacillus casei* and tocotrienol-enriched flaxseed oil in calcium alginate-carboxymethyl cellulose hydrogel beads and its application in orange juice

**Dr. Marco Camaiti**

(Specialisation: Zoology) (Conferred: 26-Jul-2023)

Morphology, ecology and evolution of limb reduction in skinks

**Dr. Mrudula Guggilla**

(Specialisation: Food Science and Technology) (Conferred: 26-Jul-2023)

Supercritical fluid extraction, encapsulation of chebulagic acid from *Terminalia bellirica* fruits and its food application

**Dr. Eleanor Mary-June Hay**

(Specialisation: Ecology and evolutionary biology) (Conferred: 26-Jul-2023)

Macroevolutionary dynamics of honeyeater diversification

**Dr. Gareth Andrew Howells**

(Specialisation: Ecology and evolutionary biology) (Conferred: 26-Jul-2023)

The experimental evolution of *Escherichia coli*, *Pseudomonas fluorescens* and *Candida albicans* in co-culture

**Dr. Gabriel Weijie Low**

(Specialisation: Genetics) (Conferred: 26-Jul-2023)

Neo-sex chromosomes and their role in enhancing mitonuclear co-adaptation in Australasian Robins

**Dilukshi Vichakshana Karunasena Ginithillawala Arachchilage**

(Specialisation: Food Science and Technology) (Conferred: 09-Aug-2023)

Impact of high-pressure homogenization pretreatment combined with different extraction and drying methods on the recovery of curcumin from turmeric and 6-gingerol from ginger

**Dr. Michael Ian Robinson**

(Specialisation: Chemistry) (Conferred: 09-Aug-2023)

The role of the disulfide linkage in insulin and conotoxin peptides: a Molecular Dynamics and Quantum Mechanical investigation

**Dr. Carolyn Amy Vlasveld**

(Specialisation: Botany) (Conferred: 09-Aug-2023)

Diversity, distribution, and ecological function of heteroblasty

**Dr. Gayathri Dev A Ammini**

(Specialisation: Chemistry) (Conferred: 18-Aug-2023)

Studies on Continuous Flow Free-Radical Miniemulsion Polymerization of Methyl Methacrylate (MMA), Photo-Induced RAFT Polymerization of MMA, and Depolymerization of PMMA

**Dr. Madhurima Barman**

(Specialisation: Chemical sciences general) (Conferred: 18-Aug-2023)

Electrochemical Reduction of Carbon Dioxide Using Transition Metal Oxides Electrocatalysts

**Dr. Suma Bhanu Battula**

(Specialisation: Atmospheric sciences) (Conferred: 18-Aug-2023)

Multiscale processes of orographic precipitation in the Western Himalayas

**Dr. Subramoni Hariharan**

(Specialisation: Food science and biotechnology) (Conferred: 18-Aug-2023)

High-quality protein extraction from plant-based sources

**Dr. Sreenidhi Kuruvamana Satheeshbabu**

(Specialisation: Geophysics) (Conferred: 18-Aug-2023)

Structure and Tectonic Evolution of the Afar Triple Junction with Special Reference to the Red Sea: Constraints from Geophysical Data

**Dr. Anurag Ladage**

(Specialisation: Applied and computational mathematics) (Conferred: 18-Aug-2023)

Mathematical models and solution approaches for chemical tanker scheduling and allocation problems

**Dr. Boon Hee Goh**

(Specialisation: Biomedical science) (Conferred: 23-Aug-2023)

The study of anti-hypertensive effect of ellagitannin geraniin in a rat model of diet-induced obesity

**Dr. Riley Barnes Hargreaves**

(Specialisation: Biochemistry and cell biology) (Conferred: 23-Aug-2023)

Implementation and Correlative Application of Advanced Microscopies for Imaging Cellular Ultrastructure

**Dr. Yui Ming Mike Lau**

(Specialisation: Astrophysics) (Conferred: 23-Aug-2023)

Interactions in Stellar Binaries



**Dr. Jack Taylor Orford**

(Specialisation: Ecology) (Conferred: 23-Aug-2023)

Impacts of the agricultural pollutant 17beta-trenbolone on survival, development, and behaviour in Australian amphibians

**Dr. Jeffrey Alan Riley**

(Specialisation: Astrophysics) (Conferred: 23-Aug-2023)

Probing cosmic history with merging compact binaries

**Dr. Karteek Boga**

(Specialisation: Chemistry) (Conferred: 06-Sep-2023)

Synthesis of coumarin functionalized photo-reversible polymers and their applications

**Dr. Ru Wei Chua**

(Specialisation: Applied Microbiology) (Conferred: 06-Sep-2023)

Profiling the bioactivities of fungal endophytes from Orchidaceae

**Dr. Simon Cromwell**

(Specialisation: Chemistry) (Conferred: 06-Sep-2023)

Carbon-Sulfur Bond Formation in Lewis Base Catalysis

**Dr. Himanshi Garg**

(Specialisation: Astrophysics) (Conferred: 06-Sep-2023)

Non-Keplerian Kinematics in Protoplanetary discs

**Dr. Stacey Lee Osbrough**

(Specialisation: Atmospheric sciences) (Conferred: 06-Sep-2023)

Impact of climate anomalies on instability and predictability of weather systems

**Dr. Christopher Andrew Rosengarten**

(Specialisation: Chemistry) (Conferred: 06-Sep-2023)

Expanding the Reactivity of Magnesium(I) Complexes Towards Organic Molecules for Applications within Organic Synthesis

**Dr. Chandni Tiwari**

(Specialisation: Biochemistry and cell biology) (Conferred: 06-Sep-2023)

Unravelling the Amyloidogenic Properties of Uperin 3.5 and 3.7 Variants through Biophysical Investigations

**Dr. Tong Wu**

(Specialisation: Science) (Conferred: 06-Sep-2023)

Exome-informed Protein Balancing (ePROB): for maximising efficiency of essential amino acid bioavailability in food

**Dr. Rikhil Ravi Iyer**

(Specialisation: Chemistry) (Conferred: 20-Sep-2023)

Development of Novel Polymeric Anionic Exchange Membranes

**Dr. Rikeish R Muralitharan**

(Specialisation: Biology) (Conferred: 20-Sep-2023)

The role of the gut microbiota and its metabolite-sensing receptors in blood pressure regulation

**Dr. Ashley Peter Williams**

(Specialisation: Chemistry) (Conferred: 20-Sep-2023)  
Surfactant design for wormlike micelles

**Dr. Clerance Su Yee Cheong**

(Specialisation: Molecular Biology and Molecular Genetics) (Conferred: 04-Oct-2023)  
Caenorhabditis elegans GANA-1: An orthologue enzyme for human Fabry disease

**Shadreen Fairuz**

(Specialisation: Applied chemistry) (Conferred: 04-Oct-2023)  
Synthesis of imidazo[1,2-a][1,8]naphthyridine derivatives and preliminary assessment of their potential positive inotropic activity

**Dr. Kirsty Anne Illingworth**

(Specialisation: Food Science and Technology) (Conferred: 04-Oct-2023)  
Moringa oleifera protein isolates: Extraction, isolation, functionality and applications

**Dr. Adam Christopher Kennedy**

(Specialisation: Chemistry) (Conferred: 04-Oct-2023)  
Using Cystine Peptidomimetics To Uncover Mechanism of Action

**Dr. Samantha Louise Piper**

(Specialisation: Chemistry) (Conferred: 04-Oct-2023)  
Phase transitions for energy applications

**Dr. Pieter-Jan Voorter**

(Specialisation: Chemistry) (Conferred: 04-Oct-2023)  
Antimicrobial core-shell particles from heterophase polymerization

**Dr. Rabii Chaarani**

(Specialisation: Geology) (Conferred: 18-Oct-2023)  
Integrating Structural Mapping and Modelling Techniques: a first step towards Machine-Assisted Fold Geometry Analysis

**Dr. Ekta**

(Specialisation: Ecology and evolutionary biology) (Conferred: 18-Oct-2023)  
The role of interactions between mitochondrial and nuclear genes in determining fitness outcomes

**Dr. Md Hamed Hussain**

(Specialisation: Genomics and Bioinformatics) (Conferred: 18-Oct-2023)  
Metagenomic Analysis of Human Gut Mycobiome in the Community of Segamat, Malaysia

**Dr. Towhid Hasan**

(Specialisation: Food Science and Technology) (Conferred: 18-Oct-2023)  
Physicochemical properties and sensory acceptance of dairy-free fat and protein mixtures for frozen dessert application

**Dr. Ru Wei Teoh**

(Specialisation: Food Science and Technology) (Conferred: 18-Oct-2023)  
Gellan Gum-Based Active Packaging Film Loaded With Zein And Rosemary Oleoresin Extract: Preparation, Characterization, Release Behavior And Application In Edible Oils

**Dr. Fernanda Carolina Alvarado Neves**

(Specialisation: Earth sciences) (Conferred: 01-Nov-2023)

3D Geological Modelling of Igneous Intrusions Based on Emplacement Mechanisms

**Dr. Vani Juliyanti**

(Specialisation: Molecular Biology and Molecular Genetics) (Conferred: 01-Nov-2023)

Investigation of microbes in the rhizosphere and endosphere of cultivated and weedy rice

**Dr. Jiacheng Li**

(Specialisation: Organic chemistry) (Conferred: 01-Nov-2023)

Development of Organocatalytic Photoredox and Electron Donor-Acceptor Complex Reactions for Complex Molecules Synthesis

**Dr. Siddiyanuge Dashika Sandeepani Palipana**

(Specialisation: Genetics) (Conferred: 01-Nov-2023)

Identification and characterising of novel neuromuscular and neurodegenerative disease genes

**Dr. Wei Ping Quek**

(Specialisation: Food Science and Technology) (Conferred: 01-Nov-2023)

Degradation Profile of Vegetable Oils on the Formation of Monochloropropanediol Esters (MCPDE) and Glycidyl Esters (GE) during Deep-Frying

**Dr. Gayan Chandrajith Vidana Gamage**

(Specialisation: Food Science and Technology) (Conferred: 01-Nov-2023)

Extraction, stability, and application of anthocyanins from blue pea flower (*Clitoria ternatea* L.) and black goji berry (*Lycium ruthenicum* Murray): Potential natural food colourants

**Dr. Connor Jasper Bayly Jones**

(Specialisation: Genetics) (Conferred: 15-Nov-2023)

Exploring therapeutic compounds to treat myofibrillar myopathies

**Dr. Eleanora Charnetskaya**

(Specialisation: Chemistry) (Conferred: 15-Nov-2023)

Fabrication of Efficient and Robust Electrodes for Electrochemical Water Splitting

**Dr. Joel Patson Kumwenda**

(Specialisation: Geophysics) (Conferred: 15-Nov-2023)

Basement Architecture of the North Australian Craton

**Dr. Alex Cheng Guan Peh**

(Specialisation: Medical science) (Conferred: 15-Nov-2023)

Investigating Stroke Outcomes Through Changes In The Gut Microbiome

**Dr. Md Mainul Hasan Sarker**

(Specialisation: Genomics and Bioinformatics) (Conferred: 15-Nov-2023)

Unlocking the genetic secrets of heat tolerance in Malaysian weedy rice (*Oryza* spp.)

**Dr. Martin Tony Beilharz**

(Specialisation: Geology) (Conferred: 29-Nov-2023)

Understanding the geochemical effects of high pressure fluids within subduction channel melanges

**Dr. Benjamin Samuel Hague**

(Specialisation: Atmospheric sciences) (Conferred: 29-Nov-2023)

Trends, projections, and drivers of frequent coastal flooding under sea-level rise

**Dr. Mansura Mokbul**

(Specialisation: Food Science and Technology) (Conferred: 29-Nov-2023)

Physicochemical properties of cocoa butter alternative produced from mango kernel oil and rice bran oil for compound chocolate application

**Dr. Fatima Shahid**

(Specialisation: Chemistry) (Conferred: 29-Nov-2023)

Preparation and Characterization of Victorian Brown Coal derived Carbon Monoliths and their Environmental Applications

**Dr. Zhen Hung Tan**

(Specialisation: Ecology) (Conferred: 29-Nov-2023)

Impacts of common pharmaceutical pollutants on behaviour and other fitness-related traits in freshwater fish

**Dr. Dale Thomas Duncan**

(Specialisation: Chemistry) (Conferred: 13-Dec-2023)

Exploring fluoroborate anions for sodium battery technologies

**Dr. Benjamin Myles Lowe**

(Specialisation: Physics) (Conferred: 13-Dec-2023)

Atomic-Scale Control of Metal-Organic Nanostructures for Electronics

**Dr. Peter William-Noel McDonald**

(Specialisation: Chemistry) (Conferred: 13-Dec-2023)

Photophysics, mechanistic studies and biosensing capability of pyridinium and isoquinolinium betaines

**Dr. James Theodore Merrett**

(Specialisation: Organic chemistry) (Conferred: 13-Dec-2023)

Transition metal catalysed strategies for building molecular complexity

**Dr. Nurhamimah Misuan**

(Specialisation: Pharmacology and Toxicology) (Conferred: 13-Dec-2023)

Investigation of The Interaction Between Cobra Venom Cytotoxin With TNFR1 Using Computational & Experimental Approaches

**Dr. Shazia Nawaz**

(Specialisation: Inorganic chemistry) (Conferred: 13-Dec-2023)

Development of Bismuth(III)-Functionalised Antibacterial Polymers

**Dr. Kai Hao Tiew**

(Specialisation: Applied Microbiology) (Conferred: 13-Dec-2023)

Continuous Biosorption of Lead (Pb) Using Immobilized Exopolymeric Substances in a Packed Bed Column

**Dr. Leticia Camargo Tavares**

(Specialisation: Science) (Conferred: 18-Dec-2023)

Genome-wide analyses for precision medicine in gastrointestinal disorders

**Dr. Sam Elijah Cohen**

(Specialisation: Chemistry) (Conferred: 18-Dec-2023)

Novel Catalysts for Selective Electrooxidation of Ammonia

**Dr. Jia Ming Khe**

(Specialisation: Inorganic chemistry) (Conferred: 18-Dec-2023)

Novel Silver N-Heterocyclic Carbene Complexes embedded in Polymer Matrix as Potential Antimicrobial Agents

**Dr. Rui Zhang**

(Specialisation: Pure mathematics) (Conferred: 18-Dec-2023)

The probability of non-existence of small substructures via clusters and cumulants