Murdoch University

GRADUATION CEREMONY

CEREMONY 5

WEDNESDAY 11 FEBRUARY 2026

Acknowledgment of Country

Murdoch University is situated on the lands of the Whadjuk and Binjareb Noongar people. We pay our respects to their enduring and dynamic culture and the leadership of Noongar elders past and present. The Boodjar (country) on which Murdoch University is located has, for thousands of years, been a place of learning.

We at Murdoch University are proud to continue this long tradition.

ORDER OF PROCEEDINGS

The audience is requested to stand during the Academic Procession.

Academic Procession

Welcome to Country

Chancellor's Address

Presentation of Awards

School of Engineering and Energy

School of Information Technology

School of Mathematics, Statistics, Chemistry and Physics

Presentation of Higher Degrees

Vice Chancellor and President's Address and Charge to Graduates

University Awards

Valedictory Address

Academic Recession

Please note that photographs and footage will be taken at this event. Please contact the event organiser if you have any concerns or if you wish to be exempt from this activity.

CHANCELLOR'S MESSAGE

It is my great pleasure to congratulate you on the successful culmination of your course of study with Murdoch University.

Your degree equips you with the skills you need for an exciting career in your chosen field, along with the capacity for creativity, curiosity and critical thinking that are the foundation stones of a rich, rewarding life.

I know from personal experience the power of a Murdoch education. Many years ago, I was able to enrol by correspondence as a mature-aged student, the mother of three young children. After achieving my degree, I pursued a varied and exciting career in public life – one that led to my eventual appointment as Chancellor of Murdoch University!

I am therefore supremely confident that the knowledge and values you have learned as part of your Murdoch experience will give you the tools to understand our world and bring about change for the better.

The privilege of a university education should compel you to not only seek out a wonderful career, but to use your skills to give back to society, to make your mark, to truly make the world a better place.

As a valued Murdoch alumni, I also hope that your graduation will not be the end of your Murdoch experience – and that you remain connected to your alma mater through the many professional and personal rewards offered by our Office of Alumni and Philanthropy. Graduates of Murdoch University, I congratulate you on your accomplishments and wish you continued success as you embark on the next exciting stage of your life's journey.

Yours sincerely,

Gail McGowan PSM
Chancellor

CHARGE TO GRADUATES

Graduates, it is my great honour to welcome you to the fellowship of educated people.

The award of a university degree carries many privileges but like all privileges it also carries responsibilities. As graduates of Murdoch University, I urge you to use what you have learnt for your own betterment and for the benefit of the community.

I encourage you to use the skills and knowledge you have acquired with rigour and integrity and to commit yourselves to a program of life-long learning and discovery. I invite you to remember the lessons Murdoch has taught you about the worth of others, particularly those who have not had the opportunities that you have had.

At all times you should strive to set high goals and to continue the hard work that has brought you so far.

And finally, in all you do, I charge you to be deserving of the good name of Murdoch University.

Professor Andrew J Deeks
Vice Chancellor and President

PRINCIPAL OFFICERS OF THE UNIVERSITY

Visitor
The Honourable Chris Dawson APM, Governor of Western Australia

Chancellor
Ms Gail McGowan PSM

Deputy Chancellor
Emeritus Professor Robyn Owens AM

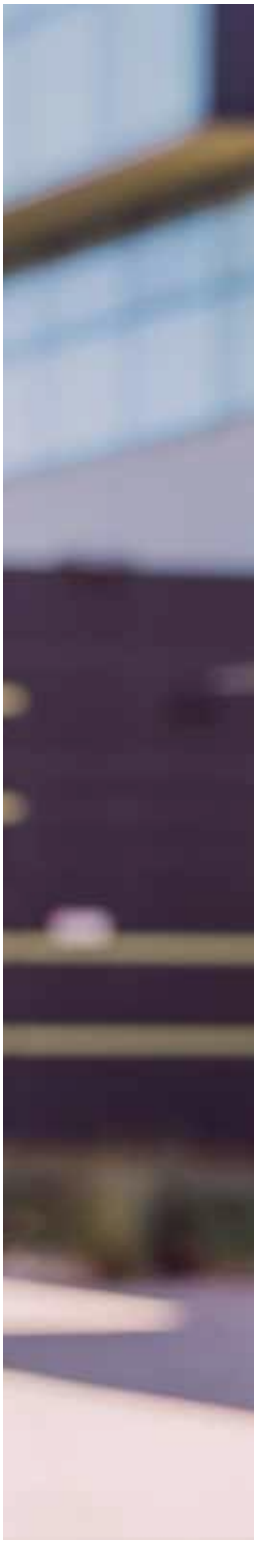
Vice Chancellor and President
Professor Andrew J Deeks

Deputy Vice Chancellor Research and Innovation
Professor Peter Eastwood

Deputy Vice Chancellor Education
Professor Don Klinger

Deputy Vice Chancellor Global Engagement
Professor Simon McKirdy

President of Academic Council
Associate Professor Garth Maker



ACADEMIC DRESS

The gowns worn today have their origins in the lay costumes of the early Middle Ages.

Regalia Colours

Discipline

Agricultural Sciences	*Green*
Allied Health	*Grey*
Business	*Tan*
Clinical Chiropractic	*Light Green*
Education	*Gold*
Engineering and Energy	*Orange*
Environmental and Conservation Sciences	*Green*
Information Technology	*Orange*
Law and Criminology	*Violet*
Mathematics and Statistics, Chemistry and Physics	*Green*
Media and Communication	*Blue*
Medical, Molecular and Forensic Science	*Green*
Nursing	*Yellow*
Psychology	*Grey*
Social Sciences and Arts	*Blue*
Veterinary Medicine	*Purple*

Research

Master of Philosophy	*Cream*
Research Masters With Training	*Cream*
Doctor of Education	*Gold*
Doctor of Information Technology	*Orange*
Doctor of Philosophy	*Red*
Doctor of Psychology	*Grey*
Doctor of Veterinary Medical Science	*Purple*

Higher Degrees

Doctor of Economics	*Tan*
Doctor of Literature Royal	*Blue*
Doctor of Science	*Green*
Doctor of Veterinary Science	*Purple*

Honorary Degrees

Doctor of the University	*White*
Doctor of Letters Royal	*Blue*
Doctor of Laws	*Violet*

GRADUANDS

School of Engineering and Energy

Graduate Certificate in Energy and Carbon Studies

Yvette Joy KING

Ying Kuen LAI

Scott SHERIDAN

Kathryn Fiona SINCLAIR

Graduate Diploma in Energy and Carbon Studies

Benjamin DANAHER

Shane Robert O'CONNOR

Bachelor of Engineering Technology

Touseef AHMAD

Karma CHODEN

Sangay JAMTSHO

Kelzang NAMGYEL

Tshering WANGCHUK

Tshering YUDEN

Bachelor of Engineering with Honours and Bachelor of Commerce

Ephraim Komborero MUGUTI

Master of Engineering Practice

Saad ABDULLAH

Muhammad ADNAN

Areej AHMED

Sikandar E AZAM

Abu BAKAR

Ahmad Faizan BUTT

Tashi CHODEN

Tashi DAWA

Lhazin Yeshey DEMA

Tshering DHENDUP

Chencho DORJI

Sonam DORJI

Tshenchap DORJI

Emily Wanjiru GITAU

Sarita GURUNG

Mehmood Ul HASSAN

Ahmed IBRAHIM

Sunil JAMIL

Fatah KHAN

Sarwar Imtiaz KHAN

Kritika LAMA

Dema LHAMO

Robin Kiprop LIMOH

Tawanda MUNYAKARI

Tenzin NAMGYEL

Shushil PAUDEL

Hamayoun RAZA

Affaq Ahmad RIAZ

Muhammad Umair SAEED

Tshering SAMDRUP

Azariah Kipkirui SANG

Rashik SHARMA

TALHA

Sangay TAMANG

Sonam TENZIN

Tashi TENZIN

THUKTEN

Pema TOBGAY

Claudia Alejandra TORRES ZAMORA

Sangay Tenzin TSHERING

Thinley TSHERING

Muhammad USMAN

Sonam WANGCHUK

Tandin WANGCHUK

Ugyen WANGCHUK

Tandin WANGMO

Pema YOEZER

Pingping YUAN

Sangay ZANGMO

Master of Renewable and Sustainable Energy

Sushil ADHIKARI

Syed Muhammad AHSAN

Mohsin ALI

Shehan Bin ASHRAF

Steve Andrew ASTORGA

Riya BENNY

Belmin CAUSEVIC

Talha Tariq CHEEMA

Tanaka Melissa CHIGWANDA

Karma CHOKI

Ugyen CHOPHEL

Eduardo COSTA DUMINELLI

DAWA

Muhammad HABIB UR REHMAN

Tayyab HUSSAIN

Javeria JAVAID

Elisha Kiprotich KETER

Pema KHANDU

Festus Kiprotich KIMELI

KIPKIRUI Vincent

Juan Camilo OTALORA CALA

GRADUANDS

Jai Bahadur PRADHAN

Shah Bir RAI

Shane RICHARDSON

Nowshin Sharmin RITU

Muhammad Husnain SAJID

Undrasonip Edna SPACKMAN

Chorten Tshering TAMANG

Tshering TASHI

TENAI Erick Kipkemoi

Pem TENZIN

Kinley TSHERING

Ugyen WANGCHUK

Tshering YANGKI

Lobzang YESHEY

Thinley YOEZER

School of Information Technology

Graduate Certificate in Information Technology

Rinchen CHOGYEL

Pema DECHEN

Ke LIU

Anderson QUINONEZ GOMEZ

SILISILON John Alfred III

Lakey TSHERING

Chhimi WANGMO

Pema YANGDEN

Graduate Diploma in Information Technology

Dipesh JOSHI

Xiaozhen LU

SIMIYU Hilary Wafula

Rehar SUBBA

Lakey TSHERING

Andrew Mosese TU'ITUPOU

Tshering WANGDI

Chhimi WANGMO

Damchoe YEZER

Bachelor of Information Technology

Aishwarya ARUN

Kishor ARYAL

Mubashir ASLAM

Faizan AZAM

Arogya BADAL

Bradley BALES

Max Marshall BALL

Louise Antoinette BARJAKTAREVIC

Matthew BRADFORD

Sonam CHODEN

Jasper Alexander COOMBES-WATKINS

Adam DABRE

Daniel Luke DE AZEVEDO

Sonam DEKAR

Joshua DELLA-SALE

Sarah Anne Marie-Dominique Pierre-Yves DEMEUSE

Aarati DHUNGANA

Jaiden Aaron DI LANZO

Justin Christoforo DJAUHARI

Nim DORJI

Passang DORJI

Amber Renee DORLANDT-CHANDLER

Kabita GHALLEY

Zaid Naveed GHORI

Rhys William GILLHAM

GOURAV

Lachlan GRUMBALL

Clinton Jeremy HART

Muhammad Abu HURAIRAH

JOEL THOMAS MANNOOR

Natthasha Joey KENNEDY

Obaidullah KHAN

James KING

Lana May KOMAROMI

Jianchen KUANG

Mahekash KUMAR

LHAMO

Pelden LHAMO

Tenzin LHAMO

Barnabas MADAI

Jiten Vikas MALKANI

Andrew Alexander MASAR

Shaun Ashley MATTHEWS

Nur Omayah MOHAMAD HASHIM

Keanan MOODLEY

Uzair MUSTAFA

Jan Hendrik MYBURGH

Hassan NAWAZ

Aayush NEUPANE

Tanjina Khanom NIRJONA

Nathan O'GRADY

Theo James PASCOE

Andrew James PERCY

Carlos Enrique PEREDA MIESES

Jacob Sebastian PETTIT

PHAN Tran Anh Huy

Dananjay PRABHAHAR

PRAKASH Ambrishkumar

Numan Javed SAYYED

Muhammad Rehan SHAKEEL

Arsh SHARMA

Prasanna SHRESTHA

Cameron Isaac SIMS

Joshua Antony Ian SMITH

Abhijeet Singh SODHI

Sharmeen Akter SOHA

Jared STANBROOK

Eren Tanah STANNARD

GRADUANDS

Niwesh SUBEDI
Buket SWAIN
Ronish TAMANG
Kin Lam TANG
Joshua Mark TAYLOR
Sudarshan UPADHYAY
Andrew James VLEESCH DU BOIS
Joshua Michael WALLER
Ziming WANG
Namgay WANGCHUK
Niamh WILSON
Shenxing XIE
Kinley YANGCHEN
Chimmi YANGDON
Rinchen ZANGMO
Sonam ZANGMO
Zeyu ZHAO
Zanele Paidamoyo ZULU

Bachelor of Information Technology and Business

Michael Dixon LAWI
Caelan Simon RANKIN
Tawananyasha Reign TAKAENDISA

Bachelor of Science

Dane Nazim AKTEPE
Meg Ellin ATCHESON
Andrew GILL
William Damian IVEY
Sakariye Abdul MOHAMUD
Jose Miguel NAVARRO
Shaun SEARLE
Ananta Raj SHRESTHA

Master of Information Technology

Yoshika ABEYWARDHANA DAHANAYAKE
Tanvir Ahmed ABIR
Muhammad ABRAR
Muhammad ABU BAKAR
Roshan ADHIKARI
Talha AFZAL
Fahad AHMAD
Hafiz Muneeb AHMED
Hassan AHMED
Furqan AKRAM
Usama AKRAM
Mohamed Fasrin ALEEM
Junaid ALI
Numan ALI
Kashif ALTAF
AMINGA Brian Moturi
Bruhathi ANDRA
Hosne ARA AKTER RUNA
Ahsan ARSHAD
Muhammad Danyal ASHRAF
Umair ASHRAF
Muhammad Faisal ASLAM
Kenula Bandara
Hashir AZEEM
Soban BAIG
Supantha BAPPY
Rohit BHATIA
Muhammad BILAL
Deekshith Kumar BUSSA
Muhammad Abdullah BUTT
Dylan CABREROS
Khushiben Kiritkumar CHAUHAN
Kezi CHEN
Tashi CHENING
Karma Tshering CHODEN
Kinzang CHODEN
Pema CHODEN
Sonam CHODEN
Thinley CHODEN
Yeshi CHODEN
Rinchen CHOGYEL
Sonam CHOKI
Karma CHOPHEL
Trisha Antoinette COSTA

Rashmita DANGOL

Sonam DARGAY

Vishwani Ranodya DAYARATHNA

Marikku Fernandulage Abhishi Eyeshani DE SILVA

Md Nazmul Ahamed DEEP

Cheten DEMA

Kencho DEMA

Kezang DEMA

Md Sabbir DEWAN

Bronwyn DICKSON

Shams Ud DIN

Mubashir Mahmood DOGAR

Karma Tshering DOLKAR

Sonam Chhimi DOLKAR

Cheten DORJI

Ngawang DORJI

Phuntsho DORJI

Tashi DORJI

Ugyen DORJI

Ugyen DORJI

Chunxi DU

Bilal FAROOQ

Syeda Gohar FATIMA

Muhammad FEZAN

Luiz Felipe FIUZA SIMAO

Yash Rajubhai GADHIYA

Shailesh GAUTAM

Nirdesh GHIMIRE

Chador GYELTSHEN

Tandin GYELTSHEN

Muhammad Bilal HASAN

Rafid Jaouad HASAN

Sardar Muhammad HASSAAN

Ali HASSAN

Muneeb HASSAN

HASSAN Nafees Ul

Iftihaj Muhammed Naquib HOSSAIN

Afzaal HUSNAIN

Shan Ali HUSSAIN

Raees IBRAHIM

Ammar IFTIKHAR

Muhammad Sameed Bin IJAZ

Sikandar IMTIAZ

Waheed IQBAL

Hassan IRFAN

Faisal IRSHAD

Shaharyar JALALUDDIN

Aqib JAVED

Sherin Mary JOSEPH

Dipesh JOSHI

Nasla JOSHI

Hari Chandana KANKANALA

Monali Anjana Jayalath KANKANAMGE

Jenish Pareshbhai KAPADIYA

Rose Wambui KARIUKI

Aavash KARKI

Rabina KARKI

Saud KHADIM

Nishan KHADKA

Hamza KHALID

Mansoor Ahmad KHAN

Salman Ayub KHAN

Sangay KHANDU

Smit Jagdishbhai KHUNT

Hillary Kibiwott KIMUTAI

Patrick Kipmutai KIPKOECH

Avnish KUMAR

Mashal LARAIB

Deki LHAZOM

Bibek MAHARJAN

Rabindra MAHATO

Kenneth Kipkorir MAIYO

Talha MANAN

Ravidi Dilhari Rathna Sri MANDAWALA KANKANAMALAYA

Rohma MARYAM

Danish MATEEN

Ahmet MENEVSE

MEREDHODDI Manish

Sadia Farin MIM

Pooria MOHAMMAD DOUST

Amber Bahadur MONGER

Senuka Nethmin MUNASINGHE

Shehryar MUNEER

Syed Zohaib MUNIR

Syed Ali MURTAZA

MUSKAAN

MUTAI Emmanuel Kipkosgei

Vamsidhar MUTCHU

Jackson Mulinge MUTUA

Titus Kariuki MWAURA

Muhammad Moaz NADEEM

Md NAHID

Legzin NAMGYAL

Syed Ehtsham Haider NAQVI

Hassam Bin NASIR

Salman NASIR

Muhammad Kamran NAZIR

Muhammad Usman NAZIR

Drukwang NORBU

Tashi NORBU

Abdul NOUMAN

OGOLA Marvin Martin

GRADUANDS

Krishna Shantibhai PADSALA
Dechen PELDEN
Kinley PENJOR
Sangay PENJOR
Liyanage Thushara Ruwan PERERA
Tashi PHUNTSHO
Shreejana PRADHAN
Raja Hamza QAMAR
Saif Ur Rehman QURESHI
Obaid Ur RAHMAN
Praba RAI
Samal RAI
Amna Kaleem RAJA
Ahmad RASHEED
Hurraira RASHID
Sumaiya RASHID
RATU
Awais Ur REHMAN
Sabih Ur REHMAN
Shovon Datta RONY
Brian Kibet RUGUT
Harvi Sanjeevbhai RUPAVATIA
Sharif SADIQUE
Rain SAENCHAIWONG
Adeel SAFDAR
Muhammad Ashar SAJID
Azeem SARWAR
Fahad Bin SARWAR
Safeer SARWAR
Rohan Mukeshbhai SAVANI
Muhammad SAVEED UL HASSAN
Muhammad Sarfraz SHAHID
Khuram SHAHZAD
Sparsh SHARMA
Muhammad Umer SHEIKH
Bipana SHRESTHA
Chitra Lal SHRESTHA
Raman SHRESTHA
Ritesh SHRESTHA
Akriti SIMKHADA
Harminder SINGH
Muhammad SOHAIB
Munkhzul SUKHBAATAR
Birju SUNWAR
Ali Hassan TAHIR
Rameez TAHIR
TALLAM Kennedy Kimutai
Bijay TAMANG
Muhammad Uzair TARIQ
Salman TARIQ
Zain TARIQ
TARUNA
Pema TASHI
Jurmi TENZIN
Sangay TENZIN
Ugyen TENZIN
Bipin THAPA
Sanjeep THAPA
TSHERING
TSHERING
Dendup TSHERING
Ngawang TSHERING
Muneeb ULLAH
Anup UPADHAYA
Navjot Slngh VIRK
Cheki WANGCHUK
Kinley WANGCHUK
Tashi WANGCHUK
Sonam WANGDA
Sonam WANGDI

Chhimi WANGMO

Choki WANGMO

Ugyen WANGMO

Ugyen WANGMO

Muhammad WAQAS

WICKRAMANAYAKA ARACHCHIGE Vinod Madusanka Wickramanayake

Vinuri Udara WIJEKOON

WIJESUNDARA MUDIYANSELAGE Nuwani Samankumari Wijesundara

Tshering YANGDON

Tshering YANGKI

Shehar YAR

Adnan YOUSAF

Muhammad Adnan YOUSAF

Fatir ZAIB

Nidup ZANGMO

Ali Ahsan ZARYAB

Master of Science in Information Technology

Mathymukan JEYAKUMARAN

School of Mathematics, Statistics, Chemistry and Physics

Graduate Diploma in Extractive Metallurgy

Louise ABRAHAM

Matthew Leslie BORDAS

Andrew Marcus FARIA

Nikki Tara HENSEN

Skyla Jade MURRAY

HIGHER DEGREES BY RESEARCH

Master of Data Science (Research)

Rio Rifqi Syah AKBAR

Individual Feral Cat Identification in Camera Trap Imagery using Deep Learning

Manually identifying feral cats in low-quality camera-trap images for management efforts is time-consuming and limits scalability for large monitoring programs. To address this, a deep learning pipeline that automatically detects multiple cat features across different body parts and combines them for identification is presented. The pipeline performs well and serves as a practical proof of concept. However, performance was constrained by issues inherent to camera-trap datasets, such as poor image quality and dataset imbalance, indicating the need for more flexible pipelines.

Professor Ferdous Sohel (Murdoch University), Professor Patricia Fleming (Murdoch University)

Master of Philosophy

Fadhil AL-MAWALI

Extraction of Lithium directly from α-spodumene concentrate

This thesis presents an investigation of lower temperature alkaline roast leach process for extracting lithium from spodumene. The developed process achieves significant lithium recovery without the high energy demands of conventional phase transformation steps, and lowers greenhouse gas emissions. The findings identify reagent dosage and temperature as dominant factors and demonstrate the feasibility of a safer, more sustainable and potentially economically efficient approach to lithium extraction.

Professor Aleksander Nikoloskim (Murdoch University), Dr Rorie Gilligan (Murdoch University)

CAI Chang

Artificial Intelligence Models for Risk Analysis of Carbapenem-Resistant Klebsiella pneumoniae: A Comparative Performance Analysis Towards Logistic Regression

This research explores how Artificial Intelligence (AI) can improve the prediction and management of Carbapenem-resistant Klebsiella pneumoniae (CRKP) infections. By comparing several AI models with traditional methods, the study shows that Random Forest and Artificial Neural Networks significantly enhance predictive accuracy. Key risk factors, such as ST11 strain carriage and ICU admission, were identified. The findings support using AI to improve clinical decision-making and antimicrobial resistance (AMR) control.

Dr Guanjin Wang (Murdoch University), Professor Kevin Wong (Murdoch University)

HIGHER DEGREES BY RESEARCH

Gideon Mawuli Kobla GBEDEMAH

Effect of Additives on The Performance of Vanadium Redox Battery using Generation 1-Vanadium Electrolyte

This research highlights the potential of ionic and phosphate-based additives for advancing VRFB technology. The findings in this research provide valuable insights for optimising VRFB electrolyte formulations with additive concentrations to achieve superior performance, supporting the transition towards a sustainable energy future.

Professor Aleksandar Nikoloski (Murdoch University), Dr Touma Issa (Murdoch University) , Emeritus Professor Pritam Singh (Murdoch University)

Master of Renewable Energy Systems (Research)

Rowel DE PAZ

Techno-Economic Analysis on Zero-Emission Electricity Supply for Remote Communities in Western Australia (WA)

The main focus of this paper is to identify the gap landscape, issues and solution options for the SPS. This study includes selecting cost-effective, reliable, and resilient to climate disruption SPS options for remote off-grids in Western Australia. HOMER Pro simulations used Western Power stand-alone power systems (SPS) actual load profiles, component sizes, and technical specifications to model and evaluate system performance. Root Cause Analysis and survey also used methods.

Professor Tania Urmee (Murdoch University), Associate Professor Jonathan Whale (Murdoch University), Principal Engineer Nigel Wilmot (Western Power)

Doctor of Philosophy

Behnam AMANNA

Application of Computational Fluid Dynamics in Optimizing Flat Plate microalgal Photobioreactor

My research focused on optimizing inclined flat plate photobioreactors for microalgal cultivation, specifically Arthrospira platensis. By integrating experimental and computational approaches, I developed and validated a CFD model to improve reactor design, energy efficiency, and biomass productivity. The findings identified optimal aeration rates, sparger configurations, and baffle designs, providing scalable recommendations for industrial applications in bioenergy and nutraceuticals. This work contributes to advancing sustainable microalgal cultivation technologies and enhances their commercial viability.

Professor Navid Moheimani (Murdoch University), Professor Parisa Bahri (Murdoch Univesity)

Tobias George BAMFORTH

Natural and Experimental Insights into the Formation, Preservation and Composition of Rhabdophane ($REEPO_4 \cdot xH_2O$, REE = La - Lu, x = 0 - 1) in Rare Earth Element Deposits

This thesis outlines the formation conditions and compositional nuances of rhabdophane - a common mineral in natural deposits of the rare earth elements (REEs), which are critical metals for the development of renewable technologies. It summarises and describes some of the natural geochemical conditions that precipitate rhabdophane, how these might infer the nature of REE deposit formation, and how they may assist in exploring for these metals that are so essential for the green energy transition.

Associate Professor Fang Xia (Murdoch University), Professor Andrew Putnis (Curtin University), Dr Mark Pearce (CSIRO)

Owen HOROCH

Novel Materials for Improving Grain and Sandy Soil Qualities

This thesis investigates the application of novel clays and mesoporous silica nanoparticles (MSNs) for two agricultural challenges: non-wetting soils and micronutrient-deficient grains. The research found that modified hydrotalcite clay greatly improved soil water absorption in sandy soils, while functionalised MSNs boosted foliar zinc delivery to wheat grain. These results advance the understanding of how innovative materials can help overcome multiple soil constraints faced by the Western Australian grains industry.

Professor David Henry (Murdoch University), Professor Richard Bell (Murdoch University)

Michael James HOUGH

Engineering Nanoporous Carbon Beads for Enhanced Adsorption of Pharmaceuticals and Industrial Ions

This research aimed to understand how pore structure influences adsorption by designing and characterising tunable nanoporous carbon beads. Using a novel ultrasonic spray nozzle reactor and supercritical steam activation, the study enhanced hierarchical pore networks that significantly increased adsorption performance. Advanced characterisation and machine-learning modelling demonstrated improved recovery of gold ions, effective adsorption of pharmaceuticals, and accurate machine-learning prediction of paracetamol uptake. The findings provide new strategies for optimising porous carbons for targeted environmental and biomedical applications.

Associate Professor Piotr Kowalczy (Murdoch University), Professor Gerd Shroeder-Turk (Murdoch University), Associate Professor Artur Deditius (Murdoch University)

HIGHER DEGREES BY RESEARCH

Kingsley Igenepo JOHN

Synthesis of modified graphitic carbon nitride for the remediation of emerging organic contaminants

This research aims to boost the photocatalytic performance of polymeric graphitic carbon nitride through various modification routes and the incorporation of environmentally sustainable materials. The study's outcome was the development of novel synthesis pathways and green, low-cost organic waste materials that significantly enhance the photodegradation performance of graphitic carbon nitride in removing organic pollutants from synthetic and real wastewater.

Dr Linda Li (Murdoch University), Professor Goen Ho (Murdoch University)

Tania Sabnam Binta MONIR

Stability of soil organic carbon under different amendments in sandy soils

This research investigated how different amendments affect soil organic carbon in sandy agricultural soils. A fast and efficient analytical method was developed to determine changes in the molecular composition of organic matter in treated soils. The main finding was that amendment effects are time-dependent, and that combining organic and inorganic amendments can improve carbon retention and biomass production. This work will support more productive and sustainable farming on sandy soils.

Professor David Henry (Murdoch University), Dr Damian Laird (Murdoch University)

Kofi Ampaw NYARKO

A Multi-Stage Framework for the Sustainable Deployment of Decentralized Hybrid Mini Grids in Marginalized Rural Communities

This research examines why many renewable-energy mini grids in rural communities struggle to remain sustainable and how they can be improved. Using literature reviews, field data from a Ghanaian mini grid, expert interviews, and system modelling, it identifies key barriers such as affordability, regulation, design limitations, and weak community engagement. The research presents a new three-stage framework that will help governments and developers plan, finance, and manage mini grids more effectively to support universal electricity access.

Professor Tania Urmee (Murdoch University), Associate Professor Jonathan Whale (Murdoch University)

Masoud REZAEI

Deep Neural Network for Data Sparsity Scenarios in Plant Disease Detection

This thesis presents an advanced AI-driven framework for intelligent crop health monitoring, given the data scarcity issue in agriculture. The research contributes to AgTech by constructing a benchmark dataset, developing a few-shot learning pipeline to address the limited data challenge, designing a minimally supervised deep learning method to overcome data annotation challenges, and innovating feature engineering in deep learning models for plant disease detection and severity estimation.

Professor Ferdous Sohel (Murdoch University), Professor Dean Diepeveen (Murdoch University), Professor Hamid Laga (Murdoch University), Professor Michael G. K. Jones (Murdoch University)

UNIVERSITY AWARDS

University Medallists

University Medals recognise outstanding academic achievement by undergraduate students across all disciplines of Murdoch University. The University awards ten medals each year. Recipients will be announced during the ceremony.

Valedictorian Address

Valedictorian is awarded to one exceptional student. The recipient will be announced during the ceremony and invited to deliver the Valedictorian Address.

Murdoch University **Alumni**

As a graduate of Murdoch University, we welcome you to the Murdoch Alumni Family - a growing international community of over 116,000 alumni.

Recent graduates studying at one of Murdoch's Western Australian campuses may be eligible for a 25% discount on select postgraduate courses. Also, alumni who are not recent graduates, can enjoy a 10% discount from their course.

There are many opportunities to be an active and engaged Murdoch alumnus through activities such as joining your local alumni network, mentoring current students, volunteering on University Boards and Committees or at Murdoch events.

After 50 years as a leading educational institution, Murdoch University has a wealth of incredible graduates. From leaders in politics, business and research, to alumni working for the environment, or on the coalface of community development, our graduates are making a difference across the globe.

With many local, national and international events and reunions held every year, our e-newsletter Echoes, and the alumni magazine Murmur, there are many reasons to stay connected with Murdoch University.

For full details of the benefits and services available to you as a Murdoch alumnus, and to update your contact details so we can stay in touch, please visit our website: **www.murdoch.edu.au/alumni**
We also encourage you to join our alumni social media group: **www.linkedin.com/company/murdoch-university-alumni/**

Congratulations on achieving a big milestone.

Welcome to the Murdoch alumni family!

Murdoch University
Philanthropy

Murdoch University is committed to making our world a better place through outstanding research and educational opportunities. As one of our talented alumni, you too can have an impact when partnering with your university.

Our alumni are all at different stages of both their lives and careers, and contribute to their community in both big and small ways. As they mature, many choose to invest in our students and research through philanthropic support.

The Office of Alumni and Philanthropy works to link alumni, leading businesses, individuals, and community-minded groups with opportunities at Murdoch. Avenues for support can be via bequests, major gifts, annual and regular giving or sponsorships and can contribute to advancing world leading research, providing academic positions, purchasing equipment, further capital development and funding life changing scholarships for our students.

Our Philanthropy team is here to help you explore opportunities, connect to the University, and realise joint aspirations through financial and in-kind donations. They cultivate and steward key relationships by uniting individuals and organisations with Murdoch's philanthropic priorities, to use our academic strength and resources to make the world a better place together.

We invite you to become involved in your community's future by reaching out to our office at any time for an exploratory conversation.

If you are ready to support now, contact the Philanthropy Team via phone **(+61) 8 9360 6211** or email **philanthropy@murdoch.edu.au**

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