

Chemistry

Chemistry research drives technological advancements, creating innovative solutions for medicine, energy, and sustainability. It plays a critical role in addressing global challenges like climate change and pollution. By improving healthcare, fostering collaboration, and training the next generation of scientists, chemistry research supports economic growth and stimulates innovation in various industries.

Chemistry research at the faculty can be divided into areas that include but not limited to:

- **Organic Chemistry**

Organic chemistry focuses on carbon-based compounds, aiming to discover new reactions, synthesis routes, and relationships between structure and function.

- **Inorganic Chemistry**

Inorganic chemistry investigates the properties of inorganic compounds, including metals and nonmetals, to develop materials and explore applications in catalysis and energy conversion.

Natural product Chemistry



Professor Dr. Fasihuddin Bin Badruddin Ahmad



Dr Nor Hisam binti Zamakshshari



Dr Diana Kertini binti Monir



Associate Professor Dr. Mohd Razip Bin Asaruddin



Organic Chemistry



Professor Dr. Zainab binti Ngaini



Dr Yusralina binti Yusof



Dr Ainaa Nadiah binti Abd Halim



Physical Chemistry



Associate Professor Dr. Chin Suk Fun



Madam Amira Satirawaty binti Mohamed Pauzan



Environmental/Analytical Chemistry



Associate Professor Dr. Devagi a/p Kanakaraju



Dr Wee Boon Siong



Associate Professor Dr. Sim Siong Fong



Associate Professor Dr. Rafeah binti Wahid



Associate Professor Dr. Showkat Ahmad Bhawani



Inorganic Chemistry



Dr Maya Asyikin bt Mohamad Arif



Dr Dayang Norafizan binti Awang Chee



Associate Professor Dr. Tay Meng Guan



Meet Our Experts

- **Analytical Chemistry**

Analytical chemistry enhances methods for chemical analysis, contributing to environmental monitoring, forensic science, and food safety.

- **Physical Chemistry**

Physical chemistry combines physics and chemistry principles to understand matter's behaviour, studying thermodynamics, quantum mechanics, spectroscopy, and kinetics.

- **Environmental Chemistry**

Environmental chemistry explores the interactions between chemicals and the environment, studying their effects on ecosystems and human health.

Each subfield plays a crucial role in advancing scientific knowledge, driving innovation, and addressing various challenges. They intersect to provide a comprehensive understanding of chemistry's implications in fields such as medicine, materials science, environmental sustainability, and energy.



Contacts:

Faculty Postgraduate Coordinator

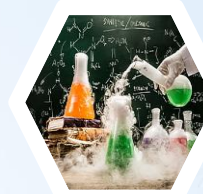
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CHEMISTRY

*Postgraduate Studies @FRST,
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**FACULTY OF
RESOURCE SCIENCE &
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