IUPAC 2025
Kuala Lumpur Convention Centre, Malaysia

53rd IUPAC General Assembly (53GA)
12th - 16th July 2025
50th World Chemistry Congress (50WCC)
14th - 19th July 2025

Organised by: IUPAC

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KEMENTERIAN KESIHATAN MALAYSIA
INSTITUT PENYELIDIKAN PERUBATAN

UNIVERSITI TEKNOLOGI MARA — Atta-ur-Rahman Institute for Natural Product Discovery

UNIVERSITI TEKNOLOGI MARA — Cardiovascular Advancement and Research Excellence Institute

SYMPOSIUM ON NATURAL PRODUCTS & MEDICINAL CHEMISTRY (14 - 16 JULY 2025)

This symposium spotlights the vital role of natural products and medicinal chemistry in achieving SDG 3: Good Health & Well-Being. Organized by the Atta-ur-Rahman Institute for Natural Product Discovery (AuRIns) and Cardiovascular Advancement and Research Excellence (CARE) Institute from Universiti Teknologi MARA (UiTM), along with the National Institutes of Health (NIH) Malaysia, this event aims to bring together scientists and researchers from diverse disciplines to explore the potential of nature-derived molecules as powerful starting points for innovative drug discovery. This symposium will highlight how cutting-edge medicinal chemistry methods—including synthesis, structure elucidation, and computational design—streamline drug optimization into safe and effective therapies. Sessions will showcase breakthroughs in isolation techniques, bioactivity profiling, and lead optimization, revealing how these approaches collectively address global health challenges, from infectious diseases to chronic illnesses. Attendees will gain insights into both the knowledge underpinning natural product research and the modern technologies that accelerate the path from bench to bedside—ultimately highlighting the promise of natural product–based medicinal chemistry to improve health outcomes and enhance well-being worldwide.

Theme

Bridging Natural Product Research with Modern Computational and Medicinal Chemistry Approaches

Topics

- Natural product chemistry : Isolation and structure analyses
- Synthetic and computational medicinal chemistry for next-generation therapeutics
- Natural product chemistry in drug discovery and disease management
- Integrating omics and natural products for precision medicine
- Drug design, drug discovery, and mechanism of action of biologically active compounds
- AI and machine learning in drug discovery and medicinal chemistry

CALL FOR PARTICIPATION

Early Bird Registration
30 April 2025

Abstract Submission
31 March 2025

Notification of Acceptance
15 April 2025

For more details please scan the QR code