

The 8th International Conference on Computational Science and Technology 2025

Schedule

Thursday, October 16, 2025

Wisma Makara Universitas Indonesia

Time (WIB)	Schedule
07.00-08.00	Registration
08.00-08.45	Opening ceremony Remarks and Welcoming Speech from Chairman of The 8th ICCST Remarks from ICCST Advisory Board Remarks from ITB and UI rectorate representative
08.45-08.50	Photo Session
08.50-09.20	Keynote lecture Prof. Brian Yulianto, S.T., M.Eng., Ph.D. Minister of Higher Education, Science, and Technology, Indonesia Faculty of Industrial Technology, Bandung Institute of Technology, Indonesia
09.20-09.55	Plenary Lecture Session Chairperson: Prof. Dr. apt. Ilma Nugrahani, M.Si. (Bandung Institute of Technology, Indonesia)
PL-1	<i>Targeted Drug Delivery via Conjugation of Folic Acid Analogues: A Sustainable Approach to Reducing Therapeutic Toxicity</i> Prof. Habibah A. Wahab Division of Research and Innovation, Universiti Sains Malaysia, Malaysia
09.55-10.10	<i>Coffee Break</i>
10.10-11.20	Plenary Lecture Session Chairperson: Rezi Riadhi Syahdi, M.Farm. D.Sc. (Universitas Indonesia, Indonesia)
PL-2	<i>Quantum AI in Precision Medicine</i> Prof. Vannajan Sanghiran Lee Center of Excellence in Quantum Information Science and Technology, Universiti Malaya, Malaysia
PL-3	<i>Molecular Representation in Chemoinformatics</i> Assoc. Prof. Tomoyuki Miyao Data Science Center and Graduate School of Science and Technology, Nara Institute of Science and Technology, Japan
11.20-11.35	Sponsor presentation PT Nusantara Secom Infotech
11.35-12.05	Poster session 1
12.05-13.00	<i>Lunch break</i>
13.00-13.40	Invited Speaker Presentation Session Chairperson: Dr. apt. Catur Jatmika, M.Si. (Universitas Indonesia, Indonesia)

IS-1	<p>Targeting Viral Replication Enzymes with Benzopyrans: A Rational Approach using HCV NS3 as a Model</p> <p>Assoc. Prof. Dr. Rozana Othman Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Universiti Malaya, Malaysia</p>
IS-2	<p>Therapeutic Peptides for Dual Targeting of Dengue Virus NS2B/NS3 Protease and Tumor Angiogenesis</p> <p>Dr. Ezatul Ezleen School of Pharmaceutical Sciences, Universiti Sains Malaysia, Malaysia</p>
13.40-14.40	<p>Oral Presentation</p> <p>Chairperson: Dr. apt. Catur Jatmika, M.Si. (Universitas Indonesia, Indonesia)</p>
OP-005	<p>New 1,2,4-Triazole Derivatives for Anti-Metastatic and Anti-Multidrug Resistance: Design and Computational Evaluation</p> <p>Yeni Yeni^{1,2}, Fransiska Kurniawan¹, Benny Permana¹, and Daryono Hadi Tjahjono¹</p> <p>¹Department of Pharmacochemistry, School of Pharmacy, Bandung Institute of Technology, Indonesia ²Department of Pharmacy, Faculty of Pharmacy and Science, Universitas Muhammadiyah Prof. DR. HAMKA, Indonesia</p>
OP-007	<p>Network Pharmacology on Potential Application of Peptic Ulcer of <i>Etligeria elatior</i> via Inducible Nitric Oxide Synthase (iNOS)</p> <p>Deshanda Kurniawan Prayoga¹, Diah Lia Aulifa², Arif Budiman³, Jutti Levita⁴, and Supat Jiranusornkul⁵</p> <p>¹Doctoral Program in Pharmacy, Faculty of Pharmacy, Padjadjaran University, Indonesia. ²Department of Pharmaceutical Analysis and Medicinal Chemistry, Faculty of Pharmacy, Padjadjaran University, Indonesia. ³Department of Pharmaceutics and Pharmaceutical Technology, Faculty of Pharmacy, Padjadjaran University, Indonesia. ⁴Department of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Padjadjaran University, Indonesia. ⁵Department of Pharmaceutical Science, Faculty of Pharmacy, Chiang Mai University, Thailand.</p>
OP-015	<p><i>In Silico Study</i> : Screening for Active Compounds of <i>Polypodium feei</i> Root as Potential Antidiabetics</p> <p>Deden Winda Suwandi¹, Meilia Suherman², Isye Martiani³, Tiara Nurjanah¹, Najwa Najiyya¹, Eri Amalia⁴</p> <p>¹Department of Pharmacology and Clinical Pharmacy, Faculty of Mathematics and Natural Sciences, Universitas Garut, Indonesia ²Department of Pharmacy Analysis and Medicinal Chemistry, Universitas Garut, Indonesia ³Department of Pharmacy Biology, Universitas Garut, Indonesia ⁴Department of Pharmaceutical Technology, Faculty of Pharmacy, Universitas Padjadjaran, Indonesia</p>
OP-016	<p>Potency of Iodo-TAPP against Carbonic Anhydrase IX as Dual-Modality Theranostic Agents: <i>In Silico</i> Evaluation</p> <p>Maula Eka Sriyani^{1,2}, Fransiska Kurniawan¹, Muhayatur³, Daryono Hadi Tjahjono¹</p> <p>¹School of Pharmacy, Bandung Institute of Technology, Indonesia. ²Research Center for Computing, National Research and Innovation Agency, Indonesia. ³Research Center for Nuclear Beam Analysis Technology, National Research and Innovation Agency, Indonesia</p>
OP-018	<p>Developing Hybrid (Radio-Fluorescent) Compounds for Imaging-Guided Breast Cancer Surgery: An <i>In Silico Study</i> of Benzothiazole Derivatives</p> <p>Eva Maria Widayarsi^{1,2}, Muhayatur³, Benny Permana¹, Daryono Hadi Tjahjono¹</p> <p>¹School of Pharmacy, Institut Teknologi Bandung, Indonesia ²Research Center for Radioisotopes, Radiopharmaceutical, and Biodosimetry Technology, National Research and Innovation Agency, Indonesia ³Research Center for Radiation Detection and Nuclear Analysis Technology, National Research and Innovation Agency, Indonesia</p>
OP-019	<p>Exploring Benzothiazole Derivatives as Radiopharmaceuticals for Breast Cancer Diagnosis: An <i>In Silico</i> Approach</p> <p>Teguh Hafiz Ambar Wibawa^{1,2}, Fransiska Kurniawan¹, Tursino¹, Muhayatur Santoso², and Daryono Hadi Tjahjono¹</p> <p>¹School of Pharmacy, Bandung Institute of Technology, Indonesia ²Research Center for Radioisotopes, Radiopharmaceuticals, and Biodosimetry Technology, National Research and Innovation Agency, Indonesia</p>

14.40-14.50	Sponsor presentation <i>Focusing on the Life Science and Outsourcing the Computing</i> MOLMOD ID
14.50-15.05	<i>Coffee Break</i>
15.05-16.15	Plenary Lecture Session Chairperson: apt. Elin Julianti, Ph.D. (Bandung Institute of Technology, Indonesia)
PL-4	<i>How artificial intelligence is reshaping protein structure prediction and therapeutic design</i> Prof. Dr. Jens Meiler Department of Medicine, Institute for Drug Discovery, Germany
PL-5	<i>Technological Development of AI and Its Applications in Healthcare</i> Prof. Bambang Riyanto School of Electrical Engineering and Informatics, Bandung Institute of Technology, Indonesia
16.15-16.20	Closing and announcement for second day
19.00-21.00	Profesional Gathering Dinner

Friday, October 17, 2025

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Time (WIB)	Schedule
07.30-08.05	Registration
08.05-08.40	Plenary Lecture Session Chairperson: Dr. apt. Febrina Amelia Saputri, M.Farm. (Universitas Indonesia, Indonesia)
PL-6	<i>Collagen Small Peptide-Membrane Interactions: Computational Models of Passive Absorption</i> Prof. Supat Jiranusornkul Laboratory for Molecular Design and Simulation, Faculty of Pharmacy, Chiang Mai University, Thailand
08.40-09.15	Invited Speaker Presentation Session Chairperson: Dr. apt. Febrina Amelia Saputri, M.Farm. (Universitas Indonesia, Indonesia)
IS-3	<i>Exploring Alzheimer's Mechanisms via Molecular Dynamics</i> Assoc. Prof. Dr. Hisashi Okumura Exploratory Research Center on Life and Living Systems and Institute for Molecular Science, National Institutes of Natural Sciences, Graduate Institute for Advanced Studies, Japan
IS-4	<i>Molecular Modelling and Simulations Investigation of Molecular Assembly in Molecular Capture and Ionic Liquids Electrolyte</i> Prof. Dr. Piyarat Nimmanpipug Department of Chemistry, Faculty of Science, Chiang Mai University, Thailand
09.15-09.30	Sponsor presentation <i>AI-Powered Beauty: Shaping the Future of Cosmetics Through AI-Based Research & Development</i> PT Paragon Technology and Innovation
09.30-09.45	<i>Coffee Break</i>

09.40-10.15	Invited Speaker Presentation Session Chairperson: Dr. Eng. apt. Taufiq Indra Rukmana, M.Farm. (Universitas Indonesia, Indonesia)
IS-5	Configuring Porogenic Solvents for Molecularly Imprinted Polymer Synthesis Targeting Probenecid Recognition apt. Benny Permana, Ph.D. School of Pharmacy, Bandung Institute of Technology, Indonesia
IS-6	AI and Health Research: Connection, Impact, and Advancement Dr. Allya Koesoema School of Electronic Engineering and Informatics, Institut Teknologi Bandung, Indonesia
10.15-10.55	Oral Presentation Chairperson: Dr. Eng. apt. Taufiq Indra Rukmana, M.Farm. (Universitas Indonesia, Indonesia)
OP-006	Binding Site Analysis and Functional Monomer Selection for HbA1c-Specific Molecularly Imprinted Polymers Prina Puspa Kania¹ , Yangie DM Pinanga ¹ , Indra Noviantri ² , and Sophi Damayanti ¹ ¹ Departemen of Pharmacocemistry, School of Pharmacy, Bandung Institute of Technology, Indonesia ² Departement of Analytical Chemistry, Faculty of Mathematics and Natural Science, Bandung Institute of Technology, Indonesia
OP-009	Inelastic Neutron Scattering and Its Computational Study: From Catalyst to Drug Delivery System Ferensa Oemry¹ , Indri Badria Adilina ² , Stewart Parker ³ , Pablo Galaviz ⁴ , Anton Stampfl ⁴ , John Stride ⁵ ¹ Research Center for Quantum Physics, National Research and Innovation Agency, KST BJ Habibie, Indonesia ² Research Center for Catalyst, National Research and Innovation Agency, KST BJ Habibie, Indonesia ³ ISIS Neutron and Muon Source, STFC Rutherford Appleton Laboratory, Chilton, Didcot, Oxfordshire, UK ⁴ Australian Centre for Neutron Scattering, Australian Nuclear Science and Technology Organisation (ANSTO), Australia ⁵ School of Chemistry, The University of New South Wales, Australia
OP-011	In Silico Study: Potential of Active Compounds from Traditional Garut Kewer Tea (<i>Cassia occidentalis</i> Linn) as Cervical Anticancer Shendi Suryana , Meilia Suherman, and Mutia Aas Hasanah Department of Pharmacy, Faculty of Mathematics and Natural Sciences, Universitas Garut, Indonesia
OP-012	COMPUTATIONAL AND EXPERIMENTAL STUDY OF THE ADSORPTION CAPACITY OF SALTS AND BASES OF PANI EMERALDINE TOWARDS Cr (VI) IONS Nenden Fauziah , Gaizka Firsta Lovina Sudjadi, Elsa Nur Balqis, Aditya Wibawa Sakti and Veinardi Suendo Chemistry Department, Universitas Garut, Indonesia
10.55-11.30	Poster session 2
11.30-13.00	<i>Lunch break</i>
13.00-13.30	Oral Presentation Chairperson: Dr. apt. Muhammad Azhari, M.Si. (Bandung Institute of Technology, Indonesia)
OP-003	Predictive Value of Dissolution Testing for Gliclazide MR: Exploratory Study of IVVC Across Multiple pH Conditions Billgerd Tjengal , Tri Ahadiat, Syafira Aulia, Doya Fitri Anggraini, Nurdiani Fadylla, Isra Muzaqiyah, Marseto Djohar, Arief Kurniawan Research & Development, PT Kimia Farma Tbk., Indonesia
OP-013	Secret Sharing Scheme via Free Bivariate Skew Polynomials Muhammad Sairozi , Intan Muchtadi Alamsyah Department of Mathematics, Bandung Institute of Technology, Indonesia
OP-023	A Real-Time Vehicle Monitoring System Using the GT06 GPS/GPRS Tracker Asep Trisna Setiawan , Ary Setijadi Prihatmanto, and Muhammad Fahmi Nurfadilah ¹ Faculty of Computer Science, University of Bandar Lampung, Indonesia ² School of Electrical Engineering and Informatics, Bandung Institute of Technology, Indonesia
13.30-14.05	Plenary Lecture Session Chairperson: Prof. Dr.rer.nat. apt. Rahmana Emran Kartasasmita (Bandung Institute of Technology, Indonesia)

PL-7 ***Artificial Intelligence in Pharmacy and Computational Health Research: Applications in Health Insurance and Personal Care Dermatology***
Prof. Alhadi Bustamam
Department of Mathematics, Data Science Center, Universitas Indonesia, Indonesia

14.05-14.25 **Announcement of best presenters**

14.25-14.35 **Closing Remarks**

14.35-14.50 **Photo session**
