



Poster Competition Schedule
Walailak Research Convention 2024
Theme “Digital Economy, Carbon Neutrality, and Quality of Life”
Date: 29th March 2024
Venue: School of Architecture and Design Building Walailak University
Tha Sala district, Nakhon Si Thammarat, Thailand

List of participants in the poster competition

Poster No.	name	Topics	Affiliation	Award levels
P06	<u>Chonthicha Buachumthamrongsuk</u> , Parawee Rattanakit	Green synthesis of silver nanoparticles using <i>Ganoderma Lucidum</i> extract for catalytic dye degradation	Walailak University	Undergraduate Level
P07	<u>Jenjira Sapphanachai</u> , Opas Bunkoed, Piyaluk Nurerk	A pedot composite porous cryogel adsorbent for in-syringe solid phase extraction of parabens in beverages	Walailak University	Undergraduate Level
P08	<u>Oanyarak Srisongkham</u> , Krittawan Srisupa, Jaurisup Boonmark, Sujitra Youngme, Theanchai Wiwasuku	Synthesis and crystal structure of new luminescent metal-organic framework based on 2,2'-bipyridine-4,4'-dicarboxylic acid	Walailak University	Undergraduate Level
P09	<u>Kusumapon Kaeomani</u> , Kotchaphan Kanjana	Oxygen enriched activated carbon from durian shell	Walailak University	Undergraduate Level
P10	<u>Sirinporn Hongyok</u> , Opas Bunkoed, Maria Llompart, Piyaluk Nurerk	A composite hydrogel beads sorbent for vortex-assisted dispersive micro-solid phase extraction of food additives	Walailak University	Undergraduate Level

Poster No.	name	Topics	Affiliation	Award levels
P11	<u>Nattawadi Raksakun</u> , Chanida Jakkrawhad, Sujitra Poorahong	Unveiling a highly selective and sensitive electrochemical platform based on ruthenium deposited molybdenum disulfide/graphene oxide nanocomposite for simultaneous detection of ascorbic acid, dopamine, and serotonin in human serum	Walailak University	Undergraduate Level
P12	<u>Parinthorn Rattanapan</u> , Chanida Jakkrawhad, Sujitra Poorahong	A study of appropriate condition in p-doped synthesis of molybdenum nickel sulfide alloys for application as a catalyst in the hydrogen evolution reaction	Walailak University	Undergraduate Level
P13	<u>Areeya Langthoh</u> , Warayuth Sajomsang, Montra Chairat	Preparation of silk yarn coated with titanium dioxide nanoparticles (TiO ₂ NPs) for berberine dyeing	Walailak University	Undergraduate Level
P14	<u>Natthaphong Naksithong</u> , Warayuth Sajomsang, Montra Chairat	Preparation of silver nanoparticles coated on silk yarn (Ag NPs/silk yarn) using anthocyanin extract from black glutinous rice (<i>Oryza sativa</i> L.) as a natural reducing agent for berberine dye adsorption	Walailak University	Undergraduate Level
P15	<u>Renuka Thonguppatham</u> , Phichayapak Wintachai	Synergistic effects of green silver nanoparticles and phage against <i>Escherichia coli</i>	Walailak University	Undergraduate Level
P16	<u>Chantamalinee Chantarangkul</u> , Piyaluk Nurerk, Parawee Rattanakit	Catalytic study of cuprous oxide nanoparticles embedded in biofunctionalized mil-100(Fe) with <i>Cryptolepis buchanani</i> Roem. & Schult extract	Walailak University	Graduate Level
P17	<u>Chanida Jakkrawhad</u> , Piyaluk Nurerk, Fonthip Makkliang, Mohamed Siaj, Sujitra Poorahong	Flow-based amperometric sensor for dexamethasone detection using Fe-MOF/graphene oxide composites material modified pencil graphite electrode	Walailak University	Graduate Level

Poster No.	name	Topics	Affiliation	Award levels
P18	<u>Chantalaksana Chantarangkul</u> , Apinya Patigo, John C. McMurtrie, Rodolphe Clérac	Ligand effects on the magnetic property of Mn(II) schiff base complexes	Walailak University	Graduate Level
P19	<u>Benyatip Buajan</u> , Gorawit Yusakul	Developing a process for extracting the leaves of <i>Derris scandens</i> (Roxb.) Benth uses the SMEDDS system of hydrophobic deep eutectic solvent combined with a microwave-assisted extraction technique	Walailak University	Graduate Level
P20	<u>Rahni Hossain</u>	Protective effects of <i>Mitragyna speciosa</i> extract against H ₂ O ₂ -induced oxidative stress in SH-SY5Y cells	College of Graduate Studies Walailak University	Graduate Level
P21	<u>Ornicha Saengnil</u> , Prasertsri Kongkaur	Palliative care outcomes and factors associated with the quality of life among caregivers of palliative care patients	Walailak University	Undergraduate Level
P22	<u>Thanaporn Kaewbubpha</u> , Suparuek Mahrasop	Exploring palliative care needs and health challenges faced by patients	Walailak University	Undergraduate Level

Instructions for poster presentation

- Language Requirement: The poster must be prepared and presented in English.
- The poster's content should include the title, objectives, methodology, results, discussions, conclusions, acknowledgments, and selected references.
- The poster board size should not exceed 90 cm in width × 120 cm in height.
- The organizer will provide accessories (such as adhesive tape) for setting up the poster.
- Poster attachment according to presentation code:
 - Fourth-year students enrolled in the research project course should be attached on January 27th, 2024, at 13.30.
 - Other participants should be attached on January 28th, 2024 8:00-10:00 am.
- The schedule for the poster presentation will be on March 29th, 2024 from 10.30 – 12.10.
- Poster presenters are expected to appear in front of their posters during the scheduled period.

Assessment Criteria for the Poster Competition

The posters will be evaluated based on the following criteria, each critical for demonstrating academic excellence and relevance to the theme

1. Content Relevance:
 - Thematic Alignment: How effectively does the poster address the theme and objectives of the selected category (Digital Economy, Carbon Neutrality, or Quality of Life)?
 - Contemporary Relevance: Is the content reflective of current trends and challenges within the chosen category?
2. Innovation and Creativity:
 - Originality in Research: To what degree does the poster exhibit innovative and creative approaches in its research or conceptual development?
 - Novelty of Ideas: Are there groundbreaking ideas or methodologies presented that contribute significantly to the advancement of knowledge in the field?
3. Impact and Practicality:
 - Potential Impact: What is the anticipated impact of the research or innovation within its respective category?
 - Real-world Application: Is there a discernible demonstration of practical applications or solutions that effectively address current real-world challenges?
4. Visual Presentation:
 - Visual Effectiveness: How proficiently is the information conveyed visually?
 - Organization: Does the poster exhibit a clear, organized, and visually engaging layout, incorporating effective use of pictures, tables, and graphics?
5. Clarity of Message:
 - Communication of Main Message: Is the primary message or hypothesis of the research or innovation conveyed clearly?
 - Accessibility of Findings: Are the key findings or concepts presented in a manner that is easily comprehensible to the audience?

6. Scientific and Research Rigor:

Methodological Robustness: How sound and rigorous is the scientific or research methodology employed in the work presented?

Evidence and Analysis: Are the results underpinned by substantial evidence and thorough analysis?

7. Overall Impression:

Viewer Impact: What overall impact does the poster create on the viewer?

Engagement and Interest: Does the poster stimulate interest and engagement from its audience?

8. Scoring Rubric:

Coverage of the Topic: 45%. This criterion assesses how comprehensively the poster addresses the selected category.

Innovation and Creativity: 20%. This aspect evaluates the originality and creative input in the poster's content and approach.

Design: 15%. This evaluates the visual appeal, including layout, graphics, and overall aesthetic.

Presentation and Organization: 20%. This measures the clarity, structure, and logical flow of the poster.