

# POSTER SESSION

## DAY II

Friday, 21 November 2025 (10:00 - 11:30 AM)

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|---------------|-----|--------|---|
| 10:10 - 10:20 | (1) | A-P-09 | <b>Dismantling and Cathode Pretreatment of End-of-Life Prismatic Cell Lithium Iron Phosphate Battery</b><br>Thanachot Chomnawang<br><i>School of Metallurgical Engineering, Suranaree University of Technology</i>                            |
| 10:20 - 10:30 | (2) | A-P-17 | <b>Synthesis and Tribological Evaluation of 2D Ni-MOF Additives for Enhanced Lubrication Performance</b><br>Sudarat Charoenrumruay<br><i>Department of Chemistry, Faculty of science, Kasetsart University</i>                                |
| 10:30 - 10:40 | (3) | C-P-05 | <b>Effects of N<sub>2</sub> Flow Rate on the Microstructure of Nanocrystalline TiAlN Films Prepared via Reactive DC Magnetron Co-Sputtering</b><br>Adisorn Buranawong<br><i>Department of Physics, Faculty of Science, Burapha University</i> |
| 10:40 - 10:50 | (4) | C-P-10 | <b>Biosynthesis of Silver Nanoparticles Using Clove, Cinnamon and Star Anise as Reducing Agents</b><br>Sumita Chailoi<br><i>School of Metallurgical Engineering, Suranaree University of Technology</i>                                       |
| 10:50 - 11:00 | (5) | C-P-11 | <b>Comparative Study of Silver Recovery from X-Ray Film Fixer via Cementation, Chemical Precipitation and Electrowinning</b><br>Napat Mahiwan<br><i>School of Metallurgical Engineering, Suranaree University of Technology</i>               |
| 11:00 - 11:10 | (6) | C-P-29 | <b>Wear Mechanisms of Ni-Based Coatings Produced by High Velocity Oxy-Fuel (HVOF) Spraying and Arc Spraying</b><br>Sirinapa Shuecamlue<br><i>Materials Science Research Center, Faculty of Science, Chiang Mai University</i>                 |
| 11:10 - 11:20 | (7) | C-P-36 | <b>Study of Chromium Influence to Properties of 9K White Gold</b><br>Nattarit Khowlueang<br><i>Faculty Engineering, Burapha University</i>  |