



Best Oral Presentation Awards

Analytical Chemistry

Zvi C. Koren

Green chemistry of the ancient dyer investigated via analytical chromatography

Environmental Chemistry

Satit Phiyanalimat

Investigation of Sr/TiO₂ photocatalysts for benzoic acid photodegradation

Sustainable Food and Agricultural Chemistry

Prodpran Thakeow

A simple and rapid method based on proton transfer reaction mass spectrometry to determine rancidity of crispy pork rinds

Industrial Chemistry and Innovations

Nathasak Sinlikhitkul

Preservation of plumbagin by using inclusion complex: Freeze drying recovery of inclusion complex

Inorganic Chemistry

Goeun Choi

Vectorized inorganic nanovehicle for targeted delivery of anticancer agent

Materials Science and Nanotechnology

Nakarin Subjaleearndee

Multiphase-nanocrystalline metal oxide nanofibers via facile electrospinning of multicomponent metal precursors



Natural Products, Chemical Biological and Medicinal Applications

Adam C. Sedgwick

Boronate based fluorescence probes for the detection of peroxynitrite

Organic Chemistry and Green Chemistry

Waroton Paisuwan

Facile synthesis of oxazolidin-2-ones from N-boc protected amine via halo-mediated cyclization

Sustainable Catalysis and Petrochemicals

Sasiradee Jantasee

Development of starches as support of metallocene catalyst for ethylene polymerization

Physical Chemistry

Nuttapon Yodsin

Effect of platinum decorated carbon nanocones on hydrogen storage reactions: Theoretical study

Polymer Chemistry

Cheyne Louise G. Abelardo

Modified polyurethane foam derived from liquefied coconut husk with incorporated nanoclay for oil adsorption

Renewable Energy

Sasithorn Kongruang

Evaluation and comparison of biodiesel possibility of Oleaginous Yeast



Best Poster Presentation Awards

Analytical Chemistry

1. **Tik Ouiram**, Maejo University, Thailand
An application of H₂O₂ biosensor with anti-AFP for tumor marker immunosensor
2. **Somkiat Toboonpha**, Chulalongkorn University, Thailand
Enantiomeric separation of 1-phenylethanols by gas chromatography using acetylated gammacyclodextrin as stationary phase
3. **Retno Prasetia**, Chulalongkorn University, Thailand
Colorimetric detection of cysteine using silverhydroxyapatite nanoparticles

Environmental Chemistry

1. **Kohei Fujimori**, Kitami Institute of Technology, Japan
Rapid removal of pharmaceuticals from water by surfactin-enhanced coagulation-flotation method using sodium dodecyl sulfate
2. **Bunsita Kong-gij**, Thammasat University, Thailand
Hemp stem-derived activated carbon for tar and nicotine adsorption in cigarette filter

Sustainable Food and Agricultural Chemistry

- Winrawee Kanprakobkit**, Naresuan University, Thailand
Hydrolysis of capsaicin using immobilized enzymes

Industrial Chemistry and Innovations

- Phisit Wirikulcharoen**, Chulalongkorn University, Thailand
Bimetallic NiCu/HZSM-5 Catalyst in hydroprocessing of palm fatty acid distillate for green fuel production



Inorganic Chemistry

1. **Watsapon Yimkaew**, Naresuan University, Thailand
Development of copper(I) and iron(II) N-heterocyclic carbene complexes catalyzed the synthesis of n-butanol from ethanol
2. **Pornsak Lueangsriprech**, Thammasat University, Thailand
Synthesis, crystal structures of nickel (II) and cobalt (II) complexes based on benzoylacetate and imidazole ligands and antibacterial activity

Materials Science and Nanotechnology

1. **Tipwipa Prantong**, King Mongkut's University of Technology North Bangkok, Thailand
Anticorrosion of cold rolled steel using polyaniline composite with TiO_2
2. **Banphot Jiangchareon**, Chulalongkorn University, Thailand
Intracellular trafficking of different shaped oxidized carbon nanoparticles
3. **Seongho Jo**, Korea National University of Transportation, South Korea
Simple formulation of organo-soluble reduced graphene oxide/polymer assembly through noncovalent approach
4. **Ma. Concepcion Sinoy**, University of the Philippines Diliman, Philippines
Carbon dots from kappa-carrageenan: photoluminescent properties and its biocompatible environmental applications
5. **Butsarin Thaweekoon**, Silpakorn University, Thailand
Preparation of microfibril cellulose reinforcement of poly(lactic acid)/poly(ethylene glycol) blend films and their properties
6. **Angkana Pongpilaipruet**, Chulalongkorn University, Thailand
Improve compatibility of poly(lactic acid) and natural rubber by admicelled poly(methyl methacrylate)
7. **Parinya Jitrewas**, King Mongkut's University of Technology North Bangkok, Thailand



Synthesis of PAA-PAMPS-PNaSS terpolymers as ultraviolet -tagged scale inhibitor for industrial water cooling system

8. **Pawina Anilabol**, Chulalongkorn University, Thailand

Effects of polyethylene types on properties of polypropylene/polyethylene blends

9. **Bunthoeun Nim**, Thammasat University, Thailand

Property Modifications of Polylactide/Polyvinylpyrrolidone Blends Loaded with by Dielectric Barrier Discharge (DBD) Plasma Treatment

Natural Products, Chemical Biological and Medicinal Applications

1. **Poomsith Thangsan**, Kasetsart University, Thailand

The chemistry of reduced graphene oxide for biosensing applications

2. **Jakarwan Yostawonkul**, National Science and Technology Development Agency (NSTDA), Thailand

Fabrication and characterization of polymeric and lipid based nanocarrier for mosquito repellent patch

3. **Techit Plaksaguansri**, Chulalongkorn University, Thailand

Improving heterologous expression of Streptomyces cytochrome P450 in Escherichia coli

4. **Anootsara Pinyo**, Thammasat University, Thailand

Antioxidant and antibacterial activities from the banana blossom of Musa acuminata (AAA Group) 'Gros Michel' crude extract

Organic Chemistry and Green Chemistry

1. **Pasakorn Hansetagan**, Chulalongkorn University, Thailand

Novel of quinoline derivatives containing 5-membered heterocycles for Zinc ions detection

2. **Rungrawin Chatpreecha**, Silpakorn University, Thailand

Synthetic study of lycorine



Sustainable Catalysis and Petrochemicals

Korawich Trangwachirachai, King Mongkut's Institute of Technology
Ladkrabang, Thailand

*Catalytic dehydrogenation of propane to propylene over Gallium loaded
HZSM-5*

Physical Chemistry

1. **Kanokwan Wongkam**, Ubon Ratchathani University, Thailand

*High-conversion-efficiency dye-sensitized solar cell: molecular engineering
on D-A featured organic indole dyes*

2. **Siriluk Kanchanakungwankul**, Mahidol University, Thailand

*The roles of auxiliary electron donors and acceptors on triphenylamine
dyes for dye-sensitized solar cells: A density functional study*

Polymer Chemistry

1. **Chaiwat Tippuwanan**, Silpakorn University, Thailand

*In-situ fibrillation of LLDPE in PLA/LLDPE blend films: Effect on mechanical
properties and thermal properties*

2. **Chalachmat Ekapan**, Chulalongkorn University, Thailand

*Utilization of rice bran oil fatty acid distillate as processing aid in carbon
black filled acrylonitrile butadiene rubber compound*

3. **Chompunut Wongsamut**, Chulalongkorn University, Thailand

*Structure – property relationship of novel thermoplastic polyurethane
concentrated on the effect of hard segment content*

Renewable Energy

Jeerapan Tientong, Nakhon Sawan Rajabhat University, Thailand

*Characterization of glycerol-mannitol-silica-graphite PCM thermal storage
unit for small scale solar dryer applications*



SciFinder Best Paper Awards

1. Suphanan Sununta, Poomrat Rattanarat, Orawon Chailapakul, and Narong Praphairaksit

Determination of creatinine in urine samples using microfluidic paper-based analytical devices

2. Jaruwat Namjaiyen and Taweechai Amornsakchai

Effect of density on mechanical properties of nonstructural composites from pineapple leaf materials and water-based acrylic resin

NOTE:

The best oral and poster presentation recipients, who did not collect the certificate and souvenirs, will receive them via the mailing address listed on your registration.