

Session Program

27-29 Nov 2016



NanoThailand 2016

Heron 2

THE GREENERY RESORT KHAO YAI
www.greeneryresort.com Nakhon Ratchasima, Thailand

Sunday 27 November

15:15

Heron 2: Session 1: Nano-agriculture

Session | Location: Greenery, Room3, --

15:15-15:35

Synthesis and fabrication of nanomaterials for applications in food and agriculture

Speaker

Prof. Mongkol Sukwattanasinitt

15:35-15:55

Enhanced Production and Selected Use of Nanocellulose from Fruit and Vegetable Residues: A Brief Review

Speaker

Prof. Sakamon Devahastin

15:55-16:15

Discovery of biological self-assembling systems that have potential for incorporation into nanodevices and sensors

Speaker

Prof. Robert Robinson

16:15-16:30

Production of Nanocellulose from Lime Residues Using Chemical-free Technology

Speaker

Ms Saranya Jongarootaprangsee

16:30-16:45

Antimicrobial and Antioxidant Activity of Caffeic Acid Phenethyl Ester Nanoparticles

Speaker

Ms Suparak Saelo

16:45

Monday 28 November

10:15

Heron 2: Session 2: Nano-medicine & biotechnology

Session | Location: Greenery, Room3, --

10:15-10:35 Development of Theranostic Nanoparticles for Cancers

Speaker

Dr Sith Sathornsumetee

10:35-10:55 Nanotechnology based delivery systems for peptides and vaccines

Speaker

Prof. Istvan Toth

10:55-11:15 Nanotechnology and Health

Speaker

Dr Teerapol Srichana

11:15-11:35

Highly Sensitive Nucleic Acid and Antibody Based Electrochemical Detection by Using of Nanomaterials as Signal Amplification Elements

Speaker

Werasak Surareungchai

11:35-11:50

Evaluation of immunochromatographic-gold nanoparticle based assay efficacy in the detection of protease inhibitor in HIV-1 infected patient's plasma

Speaker

Ms Weeraya Thongkum

11:50

13:00

Heron 2: Session 3: Environmental nanotechnology

Session | Location: Greenery, Room3, --

13:00-13:20 Nanocatalysts for Biorefinery and Advanced Biofuel Applications

Speaker

Dr Kajornsak Faungnawakij

13:20-13:35

The electrochemical properties of NiO/NFs electrode induced by UV light irradiation

Speaker

Ms Supansa Musikajoen

13:35-13:50

Deoxygenation of oleic acid to produce bio-hydrogenated diesel over molybdenum oxide catalysts on supported alumina under inert atmosphere

Speaker

Ms Navapat Krobkrong

13:50-14:05

An innovative application of magnetic field for CO₂ hydrogenation reaction on Fe and Cu supported MCM-41 catalyst**Speaker**

Ms Sirapassorn Kiatphuengporn

14:05-14:20

The Increased Durability of Natural Dye on the SiO₂-Modified Paper**Speaker**

Radchada Buntem

14:20-14:35

Efficient visible light-induced photocatalytic degradation of Rhodamine B over chlorophyll and Mg co-modified P25 nanoparticles**Speaker**

Ms Thanaree Phongamwong

14:55

15:00

Heron 2: Session 4: Nano-agriculture, Environmental nanotechnology & Other related topics**Session** | **Location:** Greenery, Room3, --

15:00-15:20

Smart Farm System : Case Studies in Thailand**Speaker**

Teerakiat Kerdcharoen

15:20-15:35

The effect of green synthesized gold nanoparticles on rice germination and roots**Speaker**

Mr Nji Tsi

15:35-15:50

Turn-On Fluorescent Sensor from Indolium Salt for Cyanide Detection**Speaker**

Mr Apiwat Promchat

15:50-16:05

Styryl-Functionalized BODIPY as Fluorescent Probe For Metal Ions Detection in Aqueous Media**Speaker**

Mr Suthikorn Jantra

16:05-16:20

Water disinfection using silver nanoparticles impregnated coffee grounds: Escherichia coli and Staphylococcus aureus killing in batch-mode**Speaker**

Ms CHONLADA POKHUM

16:20-16:35

Cassava root materials composited with PEDOT:PSS used as low cost counter electrodes in dye-sensitized solar cells**Speaker**

Mr Seksan Lowpa

16:35-16:50

Metal Phthalocyanine and Metal Oxide Modifying Multiwall Carbonnano Tube Paste Sensors for Classification of Sweet Taste

Speaker

Mr Theerasak Juagwon

16:50

Tuesday 29 November

10:15

Heron 2: Session 5: Nano-medicine & biotechnology

Session | Location: Greenery, Room3, --

10:15-10:35 **Domain-Exchanged Antibody with Potentiated Effector Functions**

Speaker

Florian Ruker

10:35-10:55

Use of nanobodies in developing a bacterial antibody production platform

Speaker

Prof. Mehmet Berkmen

10:55-11:15

Bionanomaterials for Diagnostics, Imagine and Drug delivery

Speaker

Uracha Ruktanonchai

11:15-11:35

Nanomaterials for analytical detection

Speaker

Prof. Orawon Chailapakul

11:35-11:50

Selective Permeability of Antimicrobial Agents through the Protein Nanopore of the Highly-Drug Resistant Melioidosis Bacterium Burkholderia pseudomallei

Speaker

Mr Anuwat Aunkham

11:50-12:05

Oriented antibody conjugation on dye-doped silica nanoparticles for targeted in vivo fluorescent imaging

Speaker

Ms Kiatnida Treerattrakoon

12:05-12:20

Development of cellular platform for enhancing neuron differentiation

Speaker

Ms Suthiwan Udomrat

12:20

13:30

Heron 2: Session 6: Nano-medicine & biotechnology

Session | Location: Greenery, Room3, --

13:30-13:50 **Cosmeceutical based nanotechnology: the beauty from nature**

Speaker

Dr Mattaka Khongkow

13:50-14:10

Nanomedicine-based drug delivery systems for anti-cancer targeting and treatment.

Speaker
Teerapong Yata

14:10-14:25

Electrochemical aptasensor for glycated albumin in Diabetes mellitus diagnosis and monitoring

Speaker
Dr Sasinee Bunyarataphan

14:25-14:40

Development of novel silica-coated superparamagnetic iron oxide nanoparticles for highly efficient magnetofection and molecular imaging.

Speaker
Dr Jeerapond Leelawattanachai

14:40-14:55

Synthesis and Fabrication of Silicon Nitride Nanopore Device for Biomolecule Detection

Speaker
Dr Thitikorn Boonkoom

14:55