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# Scientific Program

## 9<sup>th</sup> European Chemistry Congress

June 17-18, 2019 | Berlin, Germany

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# DAY-1

June 17, 2019

Meeting Hall: Sylt 4-5

08:00-08:30 Registrations

*Opening Ceremony* ..... 08:30-08:50

## KEYNOTE FORUM

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08:50-09:00 Introduction

09:00-09:25 **Title: Development of 3-arylquinolines as antineoplastic agents that trigger PAR-4 secretion and tumor cell apoptosis**  
Vitaliy M Sviripa, University of Kentucky, USA

09:25-09:50 **Title: Fluorescence emission color changes of acrylonitrile derivatives, structure and optical properties**  
Maria J Percino, Benemerita Universidad Autónoma de Puebla, Mexico

09:50-10:15 **Title: Carborane-containing Matrix Metalloproteinase (MMP) enzyme inhibitors as tumor-targeting ligands for Boron Neutron Capture Therapy (BNCT)**  
Daniel P Becker, Loyola University Chicago, USA

10:15-10:40 **Title: Porous organic molecular solids for separation**  
Tamoghna Mitra, University of Liverpool, UK

**Networking & Refreshments 10:40-10:55 @ Sylt Foyer**

**Sessions: Analytical Chemistry | Advanced Organic and Inorganic Chemistry | Polymer Chemistry | Advanced Medicinal Chemistry | Pharmaceutical Chemistry | Materials Chemistry | Chemical Engineering | Green and Sustainable Chemistry | Nuclear Chemistry | Natural Products Chemistry | Biochemistry**

**Chair: Reino Laatikainen**, University of Eastern Finland, Finland

**Co-Chair: Hiromitsu Haba**, RIKEN Nishina Center for Accelerator-Based Science, Japan

## INTRODUCTION

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10:55-11:15 **Title: The new dimensions of Quantum Mechanical Spectral Analysis (QMSA)**  
Reino Laatikainen, University of Eastern Finland, Finland

11:15-11:35 **Title: Synthetic study to icetexane natural products by using transition-metal catalysis**  
Chang Ho Oh, Hanyang University, South Korea

11:35-11:55 **Title: Codetermination of sphingomyelin and cholesterol in cellular plasma membrane in sphingomyelin-depletion-induced cholesterol efflux**  
Danjun Fang, Nanjing Medical University, China

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- 11:55-12:15** **Title: Carbon nanomaterials/polymers nanocomposites and electrochemical energy storage**  
Jianxin Geng, Beijing University of Chemical Technology, China
- 12:15-12:35** **Title: Design of nano-structured catalysts for environmentally benign and selective molecular transformations**  
Takato Mitsudome, Osaka University Graduate School of Engineering Science, Japan
- 12:35-12:55** **Title: Reaction mechanism and kinetic properties of IIIB transition metals Fe/Co/Ni and their metal oxides FeO/CoO/NiO for catalytic oxidation of methane to methanol: A reliable calculation strategy**  
Hongxia Liu, Anshan Normal University, China

## GROUP PHOTO

**Lunch Break 12:55-13:40 @ Restaurant Rienäcker**

- 13:40-14:00** **Title: Novel rotational valve controlled paper-based microfluidic chip and its application in environmental and biochemical analysis**  
Bowe Li, Yantai Institute of Coastal Zone Research - CAS, China
- 14:00-14:20** **Title: Synthesis of amphiphilic PEG-b-PSf-b-PEG triblock copolymers and its application in separation membranes**  
Ning Wang, Yantai Institute of Coastal Zone Research - CAS, China
- 14:20-14:40** **Title: E-BABE- Influence of the vertical flow velocity component on flow-accelerated corrosion in 90° elbow**  
Xiaodong Si, Southeast University, China
- 14:40-15:00** **Title: Synthesis and chemistry of new elements at RIKEN**  
Hiromitsu Haba, RIKEN Nishina Center for Accelerator-Based Science, Japan
- 15:00-15:20** **Title: E-BABE- Improving the removal of sulfuric acid droplets in the process of limestone-gypsum desulfurization**  
Rui Zhang, Southeast University, China

**Networking & Refreshments 15:20-15:35 @ Sylt Foyer**

- 15:35-15:55** **Title: Structure-property relationship of vinyl-terminated oligo (2,6-dimethyl-1,4-phenylene ether)s (OPEs): Seeking a OPE with better properties**  
Ching-Hsuan Lin, National Chung Hsing University, Taiwan
- 15:55-16:15** **Title: Fully bio-based epoxy thermosets with low-dissipation factor**  
Chien Han Chen, National Chung Hsing University, Taiwan

- 16:15-16:35** **Title: Adsorptive removal of potentially toxic heavy metals by banana peel-derived magnetic adsorbent: Single and multicomponent batch study**  
Edith Odinaka Ahaka, Eastern Mediterranean University, Turkey
- 16:35-16:55** **Title: The use of tetrathiafulvalene to improve mercury determination in air borne particulate matter**  
Budanovic Maja, Nanyang Technological University, Singapore
- 16:55-17:15** **Title: Comparison between Sn modified single crystal and preferentially Pt electrodes towards ethanol oxidation in acidic medium**  
A A El-Shafei, Mansoura University, Egypt
- 17:15-17:35** **Title: Pharmacophore modeling, synthesis, scaffold hopping and biological  $\beta$ -hematin inhibition interaction studies as antimalaria compounds: An approach for multitarget anticancer drug design**  
Neda Fayyazi, Isfahan Medical University, Iran

## DAY-2

June 18, 2019

Meeting Hall: Sylt 4-5

Sessions: Applied Chemistry | Agricultural Chemistry | Chemistry in Chemical Research | Computational Chemistry | Supramolecular Chemistry | Colloid and Surface Chemistry | Industrial Chemistry | Theoretical Chemistry | Physical Chemistry | Electro Chemistry

### POSTER PRESENTATIONS @ SYLT FOYER 11:30-12:30

**Poster Judge:** Maria J Percino, Benemerita Universidad Autónoma de Puebla, Mexico

- ECCPP01** **Title: Diacylacetylenes as inhibitors of Methionine S Adenosyltransferase-2 for hepatocellular and colorectal cancer treatment**  
Liliia M Kril, University of Kentucky, USA
- ECCPP02** **Title: Supramolecular getation of low molecular weight gelators and UV-curable monomers**  
Lea Santu, University of Nottingham, UK
- ECCPP03** **Title: Rhodium-catalyzed annelation of benzoic acids with  $\alpha$ ,  $\beta$ -Unsaturated Ketones with Cleavage of C-H, CO-OH, and C-C Bonds**  
Zhiyong Hu, Ruhr-Universität Bochum, Germany
- ECCPP04** **Title: Eco-friendly approach to synthesis of coumarinyl 1, 2, 4-triazoles**  
Mario Komar, Josip Juraj Strossmayer University of Osijek, Croatia
- ECCPP05** **Title: Electrochemiluminescence determination and removal of membrane choline in living cells**  
Shuohan Huang, Nanjing Medical University, China

ECCPP06

**Title:** Solvent extraction kinetics of silver with methyl ketonic *p*-tert-octylcalix[4]arene in the modified lewis cell technique

Jee Young Kim, Kosin University, South Korea

ECCPP07

**Title:** Mechanism of oxidations of a chiral biomass-derived substrate namely isosorbide

Basim H Asghar, Umm Al-Qura University, Saudi Arabia

ECCPP08

**Title:** The protective effect of the bilberry extract on the level of oxidative stress in rats exposed to hepatotoxic effects of carbon tetrachloride

Dejan Popovic, University of Nis, Serbia

Lunch Break 12:30-13:15 @ Restaurant Rienäcker

## PANEL DISCUSSION

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## Awards & Closing Ceremony

**Bookmark your Dates**

**10<sup>th</sup> European Chemistry Congress**

July 15-16, 2020 Vienna, Austria

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