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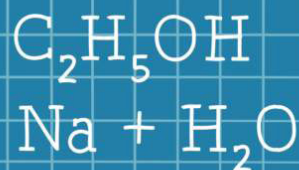
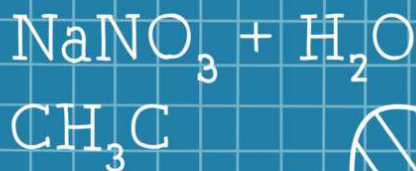
World Congress on

BIOTECHNOLOGY AND BIOLOGICAL STUDIES

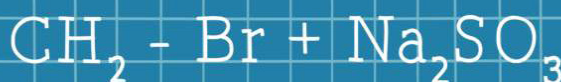
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World Congress on

CHEMISTRY



OCTOBER 24-25, 2019 | VALENCIA, SPAIN



Scientific Program

Day 1 | ROOM-1

Registrations and Distribution of Conference Material (09:30-09:50)

Introduction, Welcome note and Conference Inauguration (09:50-10:00)

Keynote Session

10:00-10:30

Title: Various Types of Quantum Coherence in Biological Systems Versus Tunneling Effects

Michael Fundator, Division of Behavioral and Social Sciences and Education, National Academy of Sciences, Washington, DC, USA

10:30-11:00

Title: Advanced Functional Materials Based on Biopolymers: From Synthesis to Application

Teofil Jesionowski, Faculty of Chemical Engineering, Institute of Chemical Technology and Engineering, Poznan University of Technology, Poland

Group Photo | Tea and Refreshments Break @ 11:00-11:20

11:20-11:50

Title: New Technologies and Processes from Renewable Sources

Lucia D'Accolti, University of Bari Aldo Moro -Piazza Umberto I. Italy

11:50-12:20

Title: Theoretical Modeling in Organic Nanophotonics

Prof. Alexander A. Bagaturyants, Photochemistry Center RAS Federal State Institution, Federal Research Center "Crystallography and Photonics", Photochemistry Center, Russian Academy of Sciences, Russia

12:20-12:40

Title: Trends and Perspectives in Fabrication of Metal Oxide-Based Hybrid Materials

Filip Ciesielczyk, Faculty of Chemical Engineering, Institute of Chemical Technology and Engineering, Poznan University of Technology, Poland

12:40-13:00

Title: Design, Synthesis and Biological Activity of Selective Hcas Inhibitors Based on 2-(Benzylsulfonyl)Benzoic Acid Scaffold

Simone Carradori, Department of Pharmacy, "G. d'Annunzio" University of Chieti-Pescara, Italy

Lunch Break @ 13:00-14:00

Technical Sessions

14:00-14:20

Title: Optical Sensor for Proteins

M. Teresa S.R. Gomes, CESAM & Department of Chemistry, University of Aveiro, Aveiro, Portugal

14:20-14:40

Title: Understanding of the Behavior of Titanate Nanotubes and Plasmonic Core/Shell Titanium Oxide Composites as Photocatalytic Units for Solar Fuel Production

Hermenegildo G. Baldoví, Department of Chemistry, Universitat Politècnica de València, Spain

14:40-15:00

Title: Influence of Co-Catalysts on the Photocatalytic Activity of Ni^{II} -125(Ti)- NH_2 in the Overall Water Splitting

Maria Cabrero-Antonino, Department of Chemistry and Technical Institute of Chemistry (CSIC-UPV), Universitat Politècnica de València, Spain

15:00-15:20

Title: Low-Cost Carbon Materials as Sustainable Metal-Free Catalysts in Advanced Oxidation Processes Using Ozone

Sergio Navalón, Department of Chemistry and Technical Institute of Chemistry (CSIC-UPV), Universitat Politècnica de València, Spain

Posters | Tea and Refreshments Break @ 15:20-16:20

Poster Presentation Day 1

Poster 1

Title: Decoding JNK3 Inhibition by Selected Aminopyrimidine Derivatives: A 4D-QSAR Approach

Rodrigo Said Razo-Hernández, Facultad de Ciencias Químicas, Universidad de Colima, Mexico

Poster 2

Title: Controlling the Regio- and Stereoselectivity of Hydrosilylation Reaction Catalyzed by Platinum(0) Complexes Bearing Bulky N-Heterocyclic Ligand

Małgorzata Bołt, Adam Mickiewicz University in Poznan, Poland

Poster 3

Title: Cancer Means: In Silico Global Metabolism Analysis

Francisco Torrens, Universidad Católica de Valencia, Spain

Poster 4

Title: Production of Cell Concrete Blocks Using Cocoa Fatty Acids and Foundry Wastes

Rudimar Pedro, Escola de Engenharia Civil, IMED, Brazil

Poster 5

Title: Copper(II) Complexes with L-Arginine

Agnieszka Wojciechowska, Wroclaw University of Science and Technology, Poland

Poster 6

Title: Arsenic Removal by Resin Impregnated with Cyclodextrin Ligands

Iwona Zawierucha, Institute of Chemistry, Health and Food Sciences, Jan Dlugosz University in Czestochowa, Poland

Poster 7

Title: In Vitro Characterization of Porphyrin-Based Photosensitizers for PDT

Jiménez-Munguía I, National University of Science and Technology, Russia

Poster 8

Title: Green Syntheses of Biological Heterocyclic Compounds Using Enaminone Coumarin as Starting Material

Meaad J. Al-Zahrani, University of Jeddah, Saudi Arabia

Poster 9

Title: Multi Component Reactions for the Synthesis of Heterocyclic Compounds by Q-Tube

Rawan Alhazmi, University of Jeddah, Saudi Arabia

Poster 10

Title: Fabrication of AC/G-C₃N₄ Nanocomposites for Photocatalytic Degradation of Pharmaceuticals

Adewumi O. Oluwole, School of Chemistry and Physics, University of KwaZulu-Natal, South Africa

Poster 11

Title: Biocompatible Pure ZnO Nanoparticles-3D Bacterial Cellulose Biointerfaces With Antibacterial Properties

Alexandra Mocanu, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Romania

Poster 12

Title: PCL-ZnO/TiO₂/HAp Composite Electrospun Fibres with Applications in Tissue Engineering

Cristina BUSUIOC, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Romania

Poster 13

Title: Antimicrobial Properties of Polysulfone Membranes Modified with Carbon Nanofibers and Silver Nanoparticles

Gabriela Isopencu, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Romania

Poster 14

Title: Short-Wave Infrared Sensor Based on Pbs Quantum Dots Operating at Room Temperature

Jin Beom Kwon, School of Electronics Engineering, College of IT Engineering, Kyungpook National University, South Korea

Poster 15

Title: Evaluation of Microencapsulated Doxycycline Designed for Local Treatment of Infectious Arthritis

Maria Minodora Marin, Collagen Department, Division Leather and Footwear Research Institute, National Research and Development Institute for Textile and Leather, Romania

Poster 16

Title: Collagen – Hydroxyapatite -Eugenol Acetate Spongy Fillers as New Therapy Against Bone Cancer

Stefania Marin, Collagen Department, Division Leather and Footwear Research Institute, National Research and Development Institute for Textile and Leather, Romania

Poster 17

Title: Waste Frying Oils as Carbon Source for Surfactin Production. Effect of Several Pretreatments

Yuliia Miliar, Universidad de Granada, Spain

Poster 18

Title: A Development Strategy for Fully On-line Monitoring of Gaseous C-14

Sang-woo Noh, Joon-seok Lee, Duk-won Kang, Seung-il Kim Elim-Global Inc., 767, Sinsu-ro, Suji-gu, Yongin-si, Gyeonggi-do, Republic of Korea

Poster 19

Title: DNA Interaction Studies of Structurally Variable Phenolic Compounds. Effect of Copper(II) Chelation

Klaudia Jomova, Department of Chemistry, Constantine the Philosopher University in Nitra, Slovakia

Poster 20

Title: Features of The Graft Polymerization of 2-Hydroxyethyl Methacrylate and N-Vinylpyrrolidone on Chitosan

Kristina V. Apyratina, Department of Macromolecular Compounds and Colloid Chemistry, Faculty of Chemistry, Lobachevsky State University of Nizhny Novgorod, Russia

Poster 21

Title: Reactivity of O-H Groups in Synthetic Coumarins. Dft Investigation

Zhivko Velkov, Department of Chemistry, South-West University "Neofit Rilski", Bulgaria

Day 1 @ Ends

Day 2 | ROOM-1

Biotechnology and Biological Studies

10:00-10:30

Title: The Contribution of Biological and Electrochemical Processes in Phosphorus Removal from Soilless Plant Cultivation Wastewater in Rotating Electrobiological Contactor (REBC)

Joanna Rodziewicz, Department of Environmental Engineering, University of Warmia and Mazury in Olsztyn, Poland

10:30-11:00

Title: Lymphoid Organs and Hematological Alterations in Microcephalic Children

Manuela Sales Lima Nascimento, Edmond and Lily Safra International Institute of Neuroscience, Brazil

Posters | Tea and Refreshments Break @ 11:00-11:40

Poster Presentation Day 2 @ 11:00-11:40

Poster 1

Title: Pancracine: A Novel Candidate Lead-Structure in Therapy of Oncological Diseases

Eva Peterova, Department of Medical Biochemistry, Faculty of Medicine in Hradec Kralove, Charles University, Czech Republic

Poster 2

Title: Design, Synthesis and Biological Screening of A Novel Class of Small Molecular Inhibitors with Radioprotective Properties

Darja Koutova, Department of Medical Biochemistry, Faculty of Medicine in Hradec Kralove, Charles University, Czech Republic

Poster 3

Title: Adsorption and Desorption of Dyes from Biosorbents

Urszula Filipkowska, Department of Environment Engineering, University of Warmia and Mazury in Olsztyn, Poland

Poster 4

Title: Removal of Nitrogen and Phosphorus from Vertical Farm Soilless Tomato Cultivation Wastewater in A Bioelectrochemical Reactor (BER)
Wojciech Janczukowicz, Department of Environment Engineering, University of Warmia and Mazury in Olsztyn, Poland

Poster 5

Title: Effect of *Saccharomyces Cerevisiae* 14 on Physiological Activity of the Activated Sludge in the Presence of Benzalkonium Chloride
Linda Rozenfelde, Institute of Microbiology & Biotechnology, University of Latvia, Latvia

Poster 6

Title: Action of Alkylglycerols from Marine Organisms Under Stress
Ermolenko E.V, National Scientific Center of Marine Biology, Far East Branch, Russian Academy of Sciences, Russia

Poster 7

Title: Molecular Determinants of the Interaction between Glioblastoma CD133+ Cancers Stem Cells and the Extracellular Matrix
Yuri Khotimchenko, Department Of Fundamental Medicine, School Of Biomedicine, Far Eastern Federal University, Russia

Poster 8

Title: A Single-Dose Effect of Amisulpride, Aripiprazole, Quetiapine, and Olanzapine on C-Fos Expression in the Rat Forebrain Structures: A Mild Stress Preconditioning Impact
Jana Osacka, Institute of Experimental Endocrinology, Biomedical Research Center, Slovak Academy of Sciences, Slovakia

Poster 9

Title: Rapid Indicators of Microalgae Cellular Health
Bermejo Elisabeth, European Center For Biotechnology and Bioeconomy (CeBB), France

Poster 10

Title: Modulation of Immune System Related Genes in Spleen from Senegalese Sole After Stimulation with Ulvan (*Ulva Ohnoi*) and Bacterial Disease
Marian Ponce, Nutrition laboratory, IFAPA Centro El Toruño, Junta de Andalucía, Spain

Poster 11

Title: Phytoplanktonic Populations of the Mar Menor Lagoon (Murcia, Spain) During 2017
Caniego-Fernández Gema, Cavanilles Institute of Biodiversity and Evolutionary Biology. University of Valencia, Spain

Poster 12

Title: Annual Variation During 2017 of Physicochemical And Biological Variables in the Mar Menor Lagoon (Murcia, Spain)

Hernández-Sáez Nuria, Cavanilles Institute of Biodiversity and Evolutionary Biology. University of Valencia, Spain

Poster 13

Title: Chimeric Sporting As A Basis for Selection of Genetically Homogeneous Stably Altered Cells for Cell Transplantation

Iva Vorobyova, National Medical Research Center of Rehabilitation and Balneology of the Ministry of Healthcare of the Russian Federation, Moscow, Russia

Poster 14

Title: Intracellular Effects of Nanosecond Electroporation

Olga Michel, Department of Molecular and Cellular Biology, Wrocław Medical University, Poland

Technical Sessions

11:40-12:00

Title: Bioprocess and Metabolic Engineering of *Cheiloclinum Cognatum* Roots for Production of Antitumor Quinonemethide Triterpenes

Franca SC, Plant Biotechnology Division, University of Ribeirao Preto, UNAERP, SP, Brazil

12:00-12:20

Title: MIL-101(Cr) Promotes the Efficient Aerobic Oxidative Desulfurization of Dibenzothiophenes using O₂ As Oxidant

Cristina Vallés-García, Department of Chemistry and Technical Institute of Chemistry (CSIC-UPV), Universitat Politècnica de València, Spain

12:20-12:40

Title: UiO-67 Ruthenium (II)Tris(2-2'-Bipyridyl) as Photoredox Catalyst

Arianna Melillo, Department of Chemistry and Technical Institute of Chemistry (CSIC-UPV), Universitat Politècnica de València, Spain

12:40-13:00

Title: Prediction of environmental indicators in land leveling using artificial intelligence techniques

Isham Alzoubi, General commission for scientific Agricultural Research - Damascus - Syria (Mechanical Engineer)

Awards Distribution and Closing Ceremony @ 13:00-13:10

Lunch Break @ 13:10-14:10

Day 2 @ Ends