

HAZEL GROUP

TENTATIVE

Global Conference on

CATALYSIS & APPLIED CHEMICAL ENGINEERING

April 23-25, 2021 at Dubai, UAE

GCC
2021

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TENTATIVE AGENDA

TITEL: (REMOVAL EFFICIENCY OF Pb(II), Zn(II), Cd(II) AND Cu(II) FROM AQUEOUS SOLUTION AND NATURAL WATER BY KETOENOL-PYRAZOLE RECEPTOR FUNCTIONALIZED SILICA HYBRID ADSORBENT

Shehdeh Jodeh, An_Najah National University, Palestine

TITLE : SYNTHESIS, STRUCTURAL CHARACTERISATION AND SPECTROSCOPIC PROPERTIES OF NEW DEFECT

Aziz Elhaimouti, University Sultan My Slimane, Morocco

TITLE : FUNCTIONALIZED PORPHYRINS AS ELECTROCHEMICAL MEDIATORS OR CATALYSTS FOR ORGANIC REACTIONS

Eugenia FAGADAR-COSMA, Institute Of Chemistry "Coriolan Dragulescu", Romania

TITLE : DESIGNING A HETEROGENEOUS CATALYST: DEVELOPMENT OF A REFORMING CATALYST FOR HYDROGEN PRODUCTION

Shakeel Ahmed, King Fahd University Of Petroleum & Minerals, Saudi Arabia

TITLE : LOW TEMPERATURES DRY REFORMING OF METHANE OVER NI-SIBEA ZEOLITES: A NEW APPROACH TO USING ZEOLITES FOR METHANE REFORMING

Kyriienko Pavlo, L.V. Piszarzhetskii Institute Of Physical Chemistry Of National Academy Of Sciences, Ukraine

TITLE : SUCCESSIVE VAPOUR PHASE GUERBET CONDENSATION OF ETHANOL AND 1-BUTANOL OVER MG-AL(-CE) OXIDE CATALYSTS IN A FLOW REACTOR

Olga V. Larina, L.V. Piszarzhetskii Institute Of Physical Chemistry Of The National Academy Of Sciences Of Ukraine, Ukraine

TITLE : INCREASING ACIDITY ON AMORPHOUS SILICA-ALUMINA VIA HIGHLY DISPERSED SURFACE PENTACOORDINATED ALV SPECIES

Zichun Wang, Macquarie University, Australia

TITLE : CHOLINE CHLORIDE-BASED DEEP EUTECTIC SOLVENTS AS A REMARKABLE GREEN CATALYST FOR DIFFERENT ORGANIC TRANSFORMATIONS

Hossein Tavakol, Isfahan University Of Technology, Iran

TITLE : STRUCTURED MICRO-FIBROUS CATALYSTS

Andrey Zagoruiko, Boreskov Institute Of Catalysis, Russian Federation

TITLE : GREEN IMMOBILIZATION MATRICES: THE KEY TO EFFICIENT UTILIZATION OF ENZYMES IN FOOD AND DRUG INDUSTRIES

Marwa Wahba, National Research Centre, Egypt

TITLE : FUNCTIONALIZED GRAPHENE AND GRAPHENE OXIDE NANOSHEETS AS A HETEROGENEOUS NANO-CATALYSTS IN SOME ORGANIC REACTIONS

Mohsen Golestanzadeh, Isfahan University Of Medical Sciences, Iran

TITLE : MAGNETIC METAL FERRITES AS GREEN AND SUSTAINABLE NANO CATALYST FOR ORGANIC REACTIONS

Firouz Matloubi Moghaddam, Sharif University Of Technology, Iran

TITLE : COMBUSTION SYNTHESIS: FROM MINERALS TO NANOMATERIALS

Andrzej Huczko, Warsaw University, Poland

TITLE : STUDY OF MECHANICAL PERFORMANCE OF ADJUVANTED CONCRETE WITH PHOSPHATE INHIBITORS

Latefa SAIL, Aboubekr Belkaid University, Tlemcen- Algeria

TITLE : PHYSICOCHEMICAL PARAMETERS AND HEAVY METALS ANALYSIS OF OIL POLLUTED GROUND WATER IN BARUWA COMMUNITY

Temitope OM, Federal University Of Technology Akure, Akure, Nigeria

TITLE : CATALYSTS FOR THE PRODUCTION OF VALUE-ADDED CHEMICALS FROM BIOMASS DERIVED LEVULINIC ACID

Asima Sultana, National Institute Of Advanced Industrial Science &Technology, Japan

TITLE : EFFICIENT CATALYTIC HYDROLYSIS OF CELLULOSE BY CARBONACEOUS SOLID ACID CATALYSTS

Xinhua Qi, Nankai University, China

TITLE : FAST GROWTH AND MODULATION OF GAN NANOWIRES BY MICROWAVE PLASMA CHEMICAL VAPOR DEPOSITION

Wang Ruzhi, Beijing Univity Of Technology, China

TITLE : MAGNETIC METAL FERRITES AS GREEN AND SUSTAINABLE NANO CATALYST FOR ORGANIC REACTIONS

Firouz Matloubi Moghaddam, Sharif University Of Technology, Iran

TITLE : HYDROGENATION OF LEVULINIC ACID WITH AND WITHOUT EXTERNAL HYDROGEN OVER NI/SBA-15 CATALYST

Mohan Varkolu, University Of Hyderabad, India

TITLE : NEAR-INFRARED EMITTING HEMICYANINES AND THEIR APPLICATION TO PHOTODYNAMIC KILLING OF CANCER CELLS.

Mithun Santra, University of Edinburgh, UK

TITLE : DYNAMIC COVALENT BONDS IN PREPARATION OF SELF-HEALING POLYURETHANE ELASTOMERS

Masoud Yarmohammadi, KN Toosi University Of Technology, Iran

TITLE : SYNTHESIS OF SULPHONIC ACID FUNCTIONALIZED CORE-SHELL MAGNETIC MESOPOROUS SILICA ADSORBENT

Syed Mazhar Shah, University Of Engineering & Technology Lahore, Pakistan

TITLE : DESIGNING AND DEVELOPING CONTROLLED RELEASING FERTILIZER USING STARCH-BASED HYDROGEL

Long YU, South China University Of Technology, China

TITLE : PHOTOCATALYTIC SYSTEMS FOR ADVANCED ENVIRONMENTAL REMEDIATION APPLICATIONS

Raju Kumar Gupta, Indian Institute Of Technology Kanpur, India

TITLE : DEVELOPMENT OF ELECTROCATALYSTS AND THEIR STRUCTURAL EVOLUTION

Guanjie He, University Of Lincoln/UCL, UK

TITLE : TUNING THE ELECTRON LOCALIZATION OF GOLD ENABLES THE CONTROL OF NITROGEN-TO-AMMONIA FIXATION

Jianyun Zheng, Hunan University, China

TITLE : CATALYTIC COMPOSITE MEMBRANE FOR ESTERIFICATION ENHANCEMENT

Weixing Li, Nanjing Tech University, China

TITLE : DEEP EUTECTIC SOLVENTS (DESS) AS PROMISING GREEN CATALYSIS AND SOLVENTS FOR BIODIESEL PRODUCTION: STATE-OF-THE-ART, PROSPECTS AND CHALLENGES

Weidong Lu, Shaoguan University, United States

TITLE : A NOVEL DESIGN OF CATALYST LAYER INTEGRATED WITH SOLID ELECTROLYTE IN THE METAL-O₂ BATTERY

Yuan-Cheng Cao, Huazhong University Of Science And Technology (HUST), China

TITLE : SOME STRATEGIES ON C-H FUNCTIONALIZATION

Xiuling Cui, Huoqiao University, China

TITLE : HYDROTHERMAL ASSISTED SYNTHESIS OF ZNFE₂O₄ EMBEDDED G-C₃N₄ NANOCOMPOSITE WITH ENHANCED CHARGE TRANSFER ABILITY FOR EFFECTIVE REMOVAL OF NITROBENZENE AND CR(VI)

Shajahan Shanavas, Periyar University, India

TITLE : CRYSTALLINE POROUS ORGANIC SALTS (CPOSS)

Teng Ben, Jilin University, China

TITLE : B-HB... π INTERACTION IN DIBORANE LOCALIZED/DELOCALIZED - π SYSTEMS: A DFT-D₃ APPROACH

Bapan Saha, Handique Girls' College, India

**TITLE : PHOTOCATALYTIC INACTIVATION MECHANISM OF THE
HYPERTOXIC SITE IN AFLATOXIN BI OVER Z-SCHEMATIC COMPOSITES**

Mao Jin, Chinese Academy Of Agricultural Sciences, China

**TITLE : MECHANISM AND APPLICATION OF VISIBLE LIGHT
PHOTOCATALYSIS ON MYCOTOXINS DEGRADATION**

Peiwu Li, Chinese Academy Of Agricultural Sciences, China

**TITLE : POLY CRYSTALLIZED METAL NANO-COMPOSITE AS A
MECHANISM TO IMPROVE ENERGY HARVESTING IN THIN FILM
POLYMER SOLAR CELL**

Genene Mola, University Of Kwazulu-Natal, South Africa

**TITLE : METALLIC AND NON-METALLIC PLASMONIC
NANOSTRUCTURES FOR PHOTOCATALYSIS**

Zaizhu Lou, Jinan University, China

**TITLE : BIFUNCTIONAL PHOTO/ELECTROCATALYTIC HYDROGEN
GENERATION VIA WATER SPLITTING**

Dongpeng Yan, Beijing Normal University, China

**TITLE : ENHANCING RENEWABLE HYDROGEN GENERATION FROM
ETHANOL PHOTOREFORMING ON Au@TiO₂ CATALYSTS BY DEFECT
ENGINEERING**

Xu Xiang, Beijing University Of Chemical Technology, China

**TITLE : SIMULATION APPROACHES FOR THE MECHANISMS OF
THERMOSET POLYMERIZATION REACTIONS**

Al-Moameri Harith H, Mustansiriyah University, Iraq

TITLE : THERMOCHEMICAL PROCESSES OF AGRICULTURE WASTE IN COLOMBIA

Farid Chejne Jana, Universidad Nacional De Colombia, Colombia

TITLE : INVESTIGATIONS ON THE SLUG TWO-PHASE FLOW IN A HORIZONTAL PIPES: PAST, PRESENTS, AND FUTURE DIRECTIVES

Abdallellah Omer Mohmmmed, Middle East College, Oman

TITLE : PLASMON-POWERED NITROGEN PHOTOFIXATION

Ruibin Jiang, Shaanxi Normal University, China

TITLE : GAS PHASE HETEROGENEOUS PHOTOCATALYTIC CONVERSION OF CO₂

Mohsen Padervand, University Of Maragheh, Iran

TITLE : SYNTHESIS, CHARACTERIZATION AND APPLICATIONS OF ULTRA-HIGH MOLECULAR WEIGHT POLYMERS

Romano Dario, Maastricht University, Netherlands

TITLE : INTENSIVE ENHANCEMENT OF H₂ GENERATION AND DETECTION IN TiO₂-BASED MATERIALS

Yun Gao, Hubei University, China

TITLE : STRUCTURAL SPECIFICITY OF CERIA SUPPORTED ATOMICALLY DISPERSED PLATINUM IS CRITICAL FOR SELECTIVE PARTIAL HYDROGENATION OF ACETYLENE

Olumide Ayodele, Iberian Nanotechnology Laboratory (INL) Portugal, Portugal

TITLE : POLYMERIC SHIFF BASE METAL COMPLEXES FOR ADVANCED ENERGY STORAGE, SENSING AND CATALYSIS

Daniil A. Lukyanov, Saint Petersburg State University, Russian Federation

TITLE : CLEAN ORGANIC PREPARATION: DUAL ROLES OF REACTANTS

Wei-Min He, Hunan University Of Science And Engineering, China

TITLE : ENHANCED PHOTOELECTROCATALYTIC ACTIVITY OF Bi₂S₃-TiO₂NANOTUBE ARRAYS HETERO-STRUCTURE UNDER VISIBLE LIGHT IRRADIATION

Changjian Lin, Xiamen University, China

TITLE : ISOLATION AND CHARACTERIZATION OF GREEN CELLOULOSE NANOFIBERS FOR REMOVAL OF ORGANIC CONTAMINANTS IN WASTEWATER

Zikhona Tywabi-Ngeva, Nelson Mandela University, South Africa

TITLE : WATER REMEDIATION BY CHEMICAL REDUCTION FOLLOWED BY IN SITU LAYERED DOUBLED HYDROXIDES

Xiao Jin Yang, Beijing University Of Chemical Technology, China

TITLE : AN EXTREMELY ENERGY-SAVING ELECTROCATALYSIS OF HYDRAZINE FOR HYDROGEN GENERATION

Pingyu Wan, Beijing University Of Chemical Technology, China

TITLE : SYNTHESIS OF GREEN FLUORESCENT CARBON DOTS: SELECTIVE ADSORPTION OF PALLADIUM OCTAHEDRAL NANO CRYSTALS

Muhammad Sadiq, University Of Malakand, Pakistan

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forward to
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