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SCON International Conference on

Materials Science and Engineering

December 06-07, 2018 | Las Vegas, USA

Scholarena LLC - USA

415 Grover Street, Warrensburg, MO - 64093, USA, Ph: +1-6602142040

Day 1-December 06, 2018

09:00-09:30 Registrations

09:30-10:00 Opening Ceremony & Introduction

Keynote Forum

10:00-10:35 **Conducting polymer electrodes for effective stimulation of cells and tissues**
Matsuhiko Nishizawa, Tohoku University, Japan

10:35-11:10 **Precipitation of nanoscale particles in advanced steels with ultra Scan**
Chain Tsuan Liu, City University of Hong Kong, Hong Kong

Networking & Refreshment Break 11:10-11:25

Session Introduction

Session Chair: Gulzhan Kudaikulova, Kazakh National Technical University, Kazakhstan

Session Co-chair: Branko Matovic, University of Belgrade, Serbia

Speaker Sessions

11:25-11:50 **Rapid evaluation of fatigue limit of Ti-Nb-Ta-Zr-O biomedical titanium alloy using infrared thermography**
Radek Prochazka, COMTES FHT, Czech Republic

11:50-12:15 **Removal of pertechnetate from aqueous solution using activated pyrolytic rubber char**
Ljiljana Matovic, University of Belgrade, Serbia

12:15-12:40 **Determination of structure and local structure of Cu-doped $Ba_{0.5}Sr_{0.5}FeO_{3.5}$ and their influence to the electrical conductivity**
Suasmoro Suasmoro, Sepuluh Nopember Institute of Technology, Indonesia

Lunch Break: 12:40-13:40

13:40-14:05 **Effect of implanted bisphosphonate-enriched cement on the trabecular microarchitecture of bone in a rat model using micro-computed tomography**
Lukasz Matuszewski, Medical University in Lublin, Poland

14:05-14:30 **Influence of Ag doping on structural, optical and photocatalytic performances of ceria nanopowders**
Branko Matovic, University of Belgrade, Serbia

14:30-14:55 **Development of direct polymer grafted magnetic nanoparticles and its application to magnetic Janus polymer particle**
Toshihiko Arita, Tohoku University, Japan

14:55-15:20 **Application of absorbent sodium biocarbonate influe gas treatment**
YiQi Huang, Sichuan University, China

15:20-15:45 **Development and characterization of nanostructured lipid carriers containing Artepillin C**
Nathaly Alcazar Amorim Ferreira, Apis Flora, Brazil

Networking & Refreshment Break 15:45-16:00

16:00-16:25 **Silver nanoparticles phytosynthesized by pomegranate peel extract as woud healing and antiinflammatory medicine to the skin**
Andrei Felipe Moreira Buszinski, Apis Flora, Brazil

16:25-16:50 **Carbonaceous soot: A source of Carbon nanoparticles for paint preservation**
Obidi, Olayide Folashade, University of Lagos, Nigeria

16:50-17:15 **Boron Nitride Nano Sheets (BNNS) nano composites for wire insulation**
Marisabel Kelly, NASA Glenn Research Center, USA

Panel Discussions

End of Day-1

Keynote Forum

10:00-10:35 **Assessing various properties of metal nanoparticles in biological samples**
Ciprian Mihai Cirtiu, Laval University Quebec, Canada

10:35-11:10 **Degradation of silicon carbide based refractories in cfb plants under co-combustion conditions**
Stefano Martelli, Vesuvius, USA

Networking & Refreshment Break 11:10-11:25

Session Introduction

Session Chair: Stefano Martelli, Vesuvius, USA

Session Co-chair: Suasmoro Suasmoro, Sepuluh Nopember Institute of Technology, Indonesia

Speaker Sessions

11:25-11:50 **Pre-formulation studies to reach an innovative lipid carrier with Amphotericin B**
Nathaly Alcazar Amorim Ferreira, Apis Flora, Brazil

11:50-12:15 **Aminobenzimidazole schiff base incorporated onto the pores of HNTs. An efficient heterogeneous catalyst for the regioselective synthesis of 1,2,3-triazoles via click reaction**
Majid M. Heravi, Alzahra University, Iran

12:15-12:40 **Electrochemical training of nanoporous bimetallic catalysts for efficient CO₂-to-CO conversion and high durability**
Lihua Qian, Huazhong University of Science and Technology, China

Lunch Break: 12:40-13:40

Poster Presentations 13:40 - 14:40

Poster Judge: Suasmoro Suasmoro, Sepuluh Nopember Institute of Technology, Indonesia

Poster Presentations

POSTER-001 **Technical and technological means of core drilling in difficult conditions**
Gulzhan Kudaikulova, Kazakh National Technical University, Kazakhstan

POSTER-002 **Smaller Palladium Crystals: Elastically stiffer and more mechanically anisotropic**
Jianing Xu, Fudan University, China

POSTER-003 **Study of no removal and resistance to SO₂ of MnO_x/ZrO₂-TiO₂-400, MnO_x/ZrO₂-TiO₂-600 and MnO_x/ZrO₂-TiO₂-800**
JiaXiu Guo, Sichuan University, China

Speaker Sessions

14:40-15:05 **Insights into comparative antimicrobial efficacies of synthetic and organic agents: The case of ZnS nanoparticles and Zingiber Officinale Rosc**
Obidi, Olayide Folashade, University of Lagos, Nigeria

15:05-15:30 **Aptamer selection and applications for breast cancer diagnostics and therapy**
Nongyue He, Southeast University, China

15:30-15:55 **Abnormal grain growth of nickel under cyclic heating treatment**
He Li, Center for high pressure science and technology advanced research (HPSTAR), China

15:55-16:20 **On-site gas sensing by surface-enhanced raman scattering**
Zhengjun Zhang, Tsinghua University, China

Networking & Refreshment Break 16:20-16:35

Video Presentations

- 16:35 - 16:55** **Europium(III)-doped yttrium vanadate nanoparticles for drug delivery**
Natalia Terreira, University of Franca, Brazil
- 16:55 - 17:15** **The experimental investigation on performance and emission characteristics of ceramic coated diesel engine using diesel and biodiesel**
Krishnamani Selvaraj, Sastra university, India
- 17:15 - 17:35** **Modified heat treatment RH950 of steel 17-7ph with modified chemical composition**
Belma Fakic, University of Zenica, Bosnia
- 17:35 - 17:55** **Ketoprofen loaded in natural rubber latex transdermal patch for tendinitis treatment**
Floriano J F, Sao Paulo State University, Brazil

Panel Discussion

Closing and Award ceremony



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