



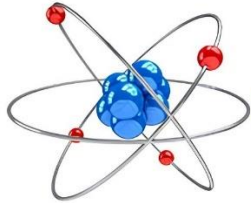
MSNG-2024

PROGRAMME

11th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2024)

6th International Conference on Organic Electronic Material Technologies (OEMT2024)

22-25 May 2016, Troia Culture Center, Çanakkale Onsekiz Mart University, Çanakkale, Turkey



OEMT-2024

| 22 May 2024 – Wednesday | | COMU Troia Culture Center | |
|-------------------------|--|--|--|
| 09.00 | REGISTRATION | | |
| 12.00 | LUNCH | | |
| 13.00 | OPENING CEREMONY | | |
| 13.30 | INVITED TALKS | Recent Advances in Photovoltaic Technologies | Raşit TURAN |
| 14.00 | INVITED TALKS | Introduction to KS R&D Center and Project Examples | Kağan KAYACI |
| 14.30 | TEA, COFFEE BREAK | | |
| 15.00 | Panel (Industry/University Collaborations: Examples/Suggestions) | | Raşit TURAN (GUNAM) Kağan KAYACI (Kale Seramik) Fahrettin YAKUPHANOĞLU (FYTRONIX) Vildan BİLGİN (IDASONIC) Murat ATEŞ (Nanochem) Serkan DAYAN (DentBioChem) |
| | | | CHAIR Hava ÖZAY |
| Cocktail | | | |

| 23 May 2024 – Thursday | | | | COMU Troia Culture Center |
|------------------------|--|---|-----------------------------|----------------------------|
| 09. ⁰⁰ | REGISTRATION | | | |
| 09. ⁰⁰ | INVITED TALK | Recent Advances in Zinc Oxide Based Dye-Sensitized Solar Cells | Yasemin ÇAĞLAR | CHAIR Canan AKSU CANBAY |
| 09. ³⁰ | Oral-1 | Evaluation of the potential of ammonium borane as a hydrogen storage materia | Canan CAN | |
| 09. ⁴⁵ | Oral-2 | On the Impact of Pure PVC and (Ti-doped PVC) Interlayer on the Performance Metal-Semiconductor (MS) Schottky diodes (SDs) in Wide Voltage Range \pm 2.5V | Çiğdem Şükriye GÜÇLÜ | |
| 09. ⁴⁵ | Oral-3 | Synthesis and Characterization of Functionalized Nanoparticles for Enhanced Enzyme-Free Glucose Sensing in Biosensors | Merve KÜÇÜKOFLAZ KORKMAZ | |
| 10. ¹⁵ | Oral-4 | A Computational Study On The Sensing Of Nitro-Containing Explosive Materials | Berkay SÜTAY | |
| 10. ³⁰ | TEA, COFFEE BREAK / POSTER SECTION (P1-19) | | | |
| 10. ⁵⁰ | INVITED TALK | New electrode material design for energy storage systems | Murat ATEŞ | CHAIR AYŞEGÜL DERE |
| 11. ²⁰ | Oral-4 | W and F co-doped SnO ₂ Films deposited by Ultrasonic Spray Pyrolysis | Emrah SARICA | |
| 11. ³⁵ | Oral-5 | Extraction and Physicochemical, Proximate and Phytochemical Analysis of Locust Beans Powder and Oil (Parkia Biglabosa) | Ibrahim Isah FAGGE | |
| 11. ⁵⁰ | Oral-6 | Characterization and Potential of ITO/ZnO/CuO Heterostructures for Photovoltaic Applications | İbrahim GÜNEŞ | |
| 12. ⁰⁵ | Oral -7 | BET surface area and TGA analyzes of some transition metal oxides used in supercapacitors | Ozan YÖRÜK | |
| 12. ²⁰ | LUNCH | | | |
| 13. ³⁰ | INVITED TALK | Scale-up Production of Polymer Fibers for Drug Delivery | Attila Levente GERGELY | CHAIR AYHAN ORAL |
| 14. ⁰⁰ | Oral-8 | Metal-polymer composites via wet-chemistry method | Merve KÜÇÜKOFLAZ KORKMAZ | |
| 14. ¹⁵ | Oral-9 | Synthesis and structural studies of aliphatic nitrile functionalized benzimidazolium salt and its respective Silver (I) and Palladium (II)-N-heterocyclic carbene complexes | Sunusi Yahaya Hussaini | |
| 14. ³⁰ | Oral-10 | Novel Poly(vinylidene Fluoride)-Baghdadite-Based Composite Membranes as Bone Scaffolds | Büşra MUTLU | |
| 14. ⁴⁵ | Oral-11 | N-Doped Interlayer Effects On Dielectric Properties In Diamond SBDs By Impedance Measurements | Nuray URGUN ERKUTLU | |
| 15. ¹⁵ | TEA, COFFEE BREAK / POSTER SECTION (P1-19) | | | |
| 15. ²⁰ | INVITED TALK | Metal Oxides for Next-generation Photonic, and Photovoltaic Applications | Fahrettin YAKUPHANOĞLU | CHAIR Vildan BİLGİN |
| 15. ⁵⁰ | Oral-12 | Machine-learning supported heavy metal detection by heme ring printed electrodes | Zihni Onur UYGUN | |
| 16. ⁰⁵ | Oral-13 | Effects of molarity on structural, optical and electrical properties of nanostructured CuO films prepared by spray pyrolysis technique using perfume atomizer | Şerif RÜZGAR | |
| 16. ²⁰ | Oral-14 | Cosmic and Gamma Radiation Test of a Developed Secondary Emission Ionization Calorimetry Module | Saleh ABUBAKAR | |
| 16. ³⁵ | Oral-15 | Investigation of the Efficiency of Photo Catalysts in Carbon Dioxide Reduction Reactions | Canan AKSU CANBAY | |
| 16. ⁵⁰ | Oral-16 | Spectroscopic and physical characterization of N-phenolyl amino acid derivatives of di spiro cyclotriphosphazene compound | Mahmut YILMAZ | |

| 24 May 2024 – Friday | | | COMU Troia Culture Center |
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| 09. ⁰⁰ | REGISTRATION | | |
| 09. ⁰⁰ | INVITED TALK | Hole transport layers for perovskites solar cells: Recent progress and perspectives | Fakhra Aziz |
| 09. ³⁰ | Oral-17 | An Insight into the Performance of Various Catalysts in Biodiesel Production, with Special Emphasis on Heterogeneous Based Catalysis | Abdu Muhammad Bello |
| 09. ⁴⁵ | Oral-18 | A Comparison of Forward and Reverse Bias Current Transport Mechanisms (CTMs) for Au/n-Si (MS), Au/PVC/n-Si (MPS1), and Au/(Ti:PVC)/n-Si (MPS2) Type Schottky Diodes (SDs) | Çiğdem Şükriye GÜÇLÜ |
| 09. ⁴⁵ | Oral-19 | Biodielectric properties of hydroxyapatite-based materials for biomedical applications | Ayşegül DERE |
| 10. ¹⁵ | Oral-20 | Unleashing the Photovoltaic Potential: Optimizing Zn-Doped Co ₃ O ₄ Films via Ultrasonic Spray Pyrolysis | İbrahim GÜNEŞ |
| 10. ³⁰ | TEA, COFFEE BREAK / POSTER SECTION (P1-19) | | |
| 10. ⁵⁰ | INVITED TALK | Electrospun nanofibers: Promising nanoscale structures in nanobiotechnology | Dilek ODACI |
| 11. ²⁰ | Oral-21 | Conjugation of RGD on electrodeposited of carbon nanotubes to analyse glioblastoma cells | Belgüzar KARADAĞ |
| 11. ³⁵ | Oral-22 | Sunflower Seed Shell-Derived Hard Carbon: A Sustainable Solution for Aqueous Zn-Ion Battery Electrodes | Burak TEKİN |
| 11. ⁵⁰ | Oral-23 | Comparing the influence of TiO ₂ NPs on the activity of SDS and CTAB surfactants at air-water interface | Aminu Dabo SHIAİBU |
| 12. ⁰⁵ | Oral -24 | Removal of Iron Impurities from Quartz Ores in the East Anatolian Fault Zone Region and Enhancement of Purity through Physical Methods | Canan AKSU CANBAY |
| 12. ²⁰ | LUNCH | | |
| 13. ³⁰ | INVITED TALK | Functional Metal/Semiconductor Devices for Organic Electronic Applications | Şemsettin ALTINDAL |
| 14. ⁰⁰ | Oral-25 | Use of active carbon produced by hydrothermal method from agricultural waste in methylene blue removal | Elif ARANCI ÖZTÜRK |
| 14. ¹⁵ | Oral-26 | Drug Doped Metal Phosphate Organic Framework Synthesis, Characterization, and Cell Viability Assay | Başak ÇELEBİ |
| 14. ³⁰ | Oral-27 | Harnessing Turkey's First Registered Biomass: Hemp-Derived Carbonaceous Electrode for Advanced Zn-Ion Hybrid Supercapacitors | Burak TEKİN |
| 14. ⁴⁵ | TEA, COFFEE BREAK / POSTER SECTION (P1-19) | | |
| 15. ⁰⁰ | INVITED TALK | Organic photonic devices for organic electronic applications | Fahrettin YAKUPHANOĞLU |
| 15. ³⁰ | Oral-28 | Structural properties & surface morphologies of Sb doped ZnO thin films | Sibel GÜRAKAR |
| 15. ⁴⁵ | Oral-29 | Effects of molarity on structural, optical and electrical properties of Hexagonal Nanocrystalline Nickel Oxide films prepared by spray pyrolysis technique using perfume atomizer | Şerif RÜZGAR |
| 16. ⁰⁰ | Oral-30 | The Effect of Sulfurization Temperature on As-prepared SnS Films Deposited by Ultrasonic Spray Pyrolysis | Barbaros DEMİRSELÇUK |
| 16. ¹⁵ | Oral-31 | Cr based coatings electrodeposited by binary potential loop and their corrosion behaviour | Esra KUŞ |
| 16. ³⁰ | Oral-32 | Analyzing the mechanical properties of an auxetic structure under compression | Gülcan AYDIN |
| 16. ⁴⁵ | Oral-33 | Investigatin of Photocatalytic Properties of Rare Earth Element Oxides | Canan AKSU CANBAY |
| 17. ⁰⁰ | Oral-34 | Temperature and frequency dependence of the dielectric properties of novel chalcone based methacrylate polymer | Mahmut YILMAZ |

25 May 2024 – Saturday

SOCIAL PROGRAMS

| POSTER SESSION | | |
|----------------|--|-------------------------|
| PosterNo | Title | Corresponding author |
| 1 | Investigation of Voltametric Behavior of Vanillin-Based Chalcone Compound | Bahire Filiz ŞENKAL |
| 2 | Transition Metal Chalcogenide Supercapacitors | Emre GÜR |
| 3 | Breaking Barriers: Lithium Manganese Oxide (LiMnO ₂) Cathode Paves the Way for Next-Generation Aqueous Ammonium Ion Batteries | Burak TEKİN |
| 4 | Spinel-Derived LiMn ₂ O ₄ : A Promising Cathode for Environmentally Friendly Ammonium Ion Batteries | Burak TEKİN |
| 5 | Evaluation of the potential of two-dimensional (2D) Borophene material for hydrogen storage applications | Canan CAN |
| 6 | Glycoconjugates based on Mesoporous silica nanoparticles | Derya Selcan SELMANOĞLU |
| 7 | Development of Hydrogen Peroxide Biosensors Based on Poly-L-Histidine, Multi-walled Carbon Nanotubes and Ionic Liquid | Elif ULUKAN |
| 8 | Ternary rGO/MnO ₂ /PANI hybrid nanocomposite materials in 1M KOH for Supercapacitor evaluations | Fatih NACAĞ |
| 9 | Synthesis and Characterization of Shape and Size-Controlled Mesoporous Silica Nanoparticle Spheres | Fatmanur UYAN |
| 10 | Synthesis of rGO@L-Arginine/Co Nanoparticles and Application Enzyme-Free Glucose Sensing | Mehtap CEYRAN |
| 11 | Synthesis, characterization, optical and electrochemical properties of poly(azomethine)s containing aliphatic chain and biphenylsulfonic acid unit | Nilay TEZEL |
| 12 | Characterization of Electrical Properties in MIS Schottky Barrier Diodes with N-Doped DLC Thin Films | Nuray URGUN ERKUTLU |
| 13 | Preparation of Alumina-Supported Pd@Ru Nano-Catalysts and Their applications | Ezginur GÜLERİŞ |
| 14 | Determination of potential use of halloysite nanotube filled alginate film for food packaging | Özde İPSALALI |
| 15 | Effect of Sulphurization Duration on Cu rich CuSbS ₂ Films Produced by a Two-step Process | Uğur YORULMAZ |
| 16 | Cu-Based MPOF Immobilization to Strip Electrodes: Fabrication of a Glucose Biosensor | Yaren CANATAN |
| 17 | Production and Electrical/Optical Characterization of Al/NiCo ₂ O ₄ /n-Si/Al Schottky Photodiode Structure | Yusuf ATMACA |
| 18 | Synthesis And Optimization Of Polyvinylimidazole By Photopolymerization Type II | Merve DANIŞMAN |
| 19 | Detailed analysis of possible current transport mechanisms (CTMs) in Au/(P3DMTFT)/n-GaAs Schottky diodes (SDs) over a wide temperature range | Ahmet Faruk ÖZDEMİR |