



Van Yuzuncu Yil University
Science Research and
Application Center



GLOBAL SUMMIT ON ADVANCED MATERIALS & SUSTAINABLE ENERGY (*G-AMSE22*)

VAN, TURKEY
OCTOBER 03-04
2022

Theme: Sustainable living for "Lake Van"

CONFERENCE PROGRAM

Information for the Participants

Welcome to Van City

Van is a city in Eastern Turkey, with unique quirks, one of which is the rare breed of cats that, interestingly, inhabit around Lake Van. Van cats have curious different-colored eyes – one, amber and one, blue – and more curiously, a fondness for swimming in the vast Lake Van. Apart from exotic cats, Van prides in its deep-rooted history that goes as far back as 5,000 BC. Different civilizations and kingdoms shaped Van's history – Urartian, Armenian, Byzantine, Seljuk and Ottoman. Each of these eras left remarkable structures such as the Van Fortress (Urartian) and the Holy Cross Church (Armenian). Nature has also blessed the town of Van, with a lake that is the largest body of water in Turkey.

Conference Venue

The Conference will be held at the Van Yuzuncu Yil University Campus. Van Yuzuncu Yil University was founded on July 20, 1982. However, the attempts to create a university in the east region of Turkey had started much earlier. Atatürk, the president of republic of that period, sent Mustafa Necati, of The Ministry of Education, to examine on-site the situation in Van in 1927. Mustafa Necati found in favour of the foundation of a university in Van. Ferit Nur, the teacher, was sent to Van and was asked to transform the present middle school into a high school and to form the kernel of the planned university. Atatürk said, "We must go into action to constitute a modern city of culture with a primary school and finally a university in the most beautiful places on the coasts of The Lake Van for the east region" and with this aim, he sent Saffet Arkan, The Ministry of Education of that period, to Van for land determination. Van Yüzüncü Yil University, with its 17 faculties, 5 institutes, 4 vocational schools, 9 vocational schools, 1 conservatory, 43 practice and research centers, is located 15 km from the city center and around Lake Van.

Conference Sessions

The conference Welcome Reception will be held at the Engineering Faculty on Monday morning (Oct. 3h, 2022), and all technical sessions and networking events will follow on Monday through Tuesday. In addition, zoom links will be provided for the remote presenters and participants who have decided to telecommute.

Conference Chair
Yuksel AKINAY

Conference Chairs

Hamdullah SEVLI	Rector of Van Yuzuncu Yil University, Honorary Chair
Yuksel AKINAY	Manager of Science and Research Center of Van Yuzuncu Yil University, General Chair
Tayfun CETIN	Hakkari University, General Co-Chair & Technical Program Chair
Gul GORMEZ	Vice-Manager of Science and Research Center of Van Yuzuncu Yil University, General Co-Chair

Organizing Committee

Sedat YAYLA	Vice Rector of Van Yuzuncu Yil University (TURKIYE)
Hilal CELIK KAZICI	Coordinator of Scientific Research Projects Department of Van Yuzuncu Yil University
Yuksel AKINAY	Manager of Science and Research Center of Van Yuzuncu Yil University
Gul GORMEZ	Vice-Manager of Science and Research Center of Van Yuzuncu Yil University
Tayfun CETIN	Yuksekoa Vocational High School, Hakkari University
Volkan TASDEMIR	Science and Research Center of Van Yuzuncu Yil University

International Scientific Committee

Ajay Kumar MISHRA	Univeristy of South Africa, South Africa
Filipe AMARAL	Escola Superior de Tecnologia da Saúde de Coimbra, Portugal
Gil GONÇALVES	University of Aveiro, Portugal
Jayanta MUKHOPADHYAY	CSIR-Central Glass & Ceramic Research Institute, India
Jarem Raul GARCIA	Universidade Estadual de Ponta Grossa, Brazil
Madhumita MUKHOPADHYAY	Maulana Abul Kalam Azad University of Technology, India
Mehmet GULCAN	Van Yuzuncu Yil University, Turkiye
Mehrdad SHAHBAZ	Urmia University, Iran
Mojtaba JAFARIAN	Islamic Azad University, Iran
Musa TÜRKER	Yildiz Technical University, Turkiye
Nahit AKTAS	Manas University, Kyrgyzstan
Petr KRATOCHVÍL	University of Chemistry and Technology in Prague, Czech Republic
Sabu THOMAS	University of Mahatma Gandhi, India
Selcuk GUMUS	Bartın University, Turkiye
Semiha DEDE	Van Yuzuncu Yil University, Turkiye
Semra DEMİR	Van Yuzuncu Yil University, Turkiye
Sílvio C. de OLIVEIRA	Universidade Federal de Mato Grosso do Sul, Brazil

CALLISTO HALL

08:00 -09:00 Registration and Reception

09:00-09:30 Opening Ceremonies & Welcome Speech

Keynote Presentations

09:30-10:00

Keynote Talk 1: Masahiro YOSHIMURA, National Cheng Kung University, Tainan, Taiwan
Why Soft, Solution Processing (=Low-Energy Production) of Advanced Nano-Materials is Difficult but Necessary for Sustainable Society?

Regular Presentations

10:00-10:15

Regular Talk 1: Karim Kakaei, Sheyda Rasouli, Department of Chemistry, Faculty of Science, University of Maragheh, Iran
Facile synthesis of Nitrogen-doped reduced graphene oxide as cobalt support for oxygen reduction reaction and oxygen evolution reaction in alkaline media

10:15-10:45

Regular Talk 2: Bagher Eftekhari-Sis, Maryam Zirak, Hossein Rezazad, University of Maragheh, Iran
Superhydrophobic Fe/Carbon Composite Coated on Sponge: Preparation, Characterization and Oil-Absorption Properties

Coffee Break (10:45-11:00)

11:00-11:15

Regular Talk 3: Emre AKKEÇİ, Vahap Yönten, Van Yuzuncu Yil University, TURKIYE
Ionic Cr(VI) Reduction in Cement and Investigation of its Effects on Cement Properties

11:15-11:30

Regular Talk 4: Hilal Çelik Kazıcı, Fırat Salman, Mehmet Sait İZGİ, Erhan ONAT, Van Yuzuncu Yil University, TURKIYE
Investigation of the structure and activities of nanocatalysts prepared with Pd-Ru and Co for the direct electrooxidation of NaBH₄

11:30-11:45

Regular Talk 5: Mehrdad Shahbazb, Najme Najmedin, Urmia University, Iran
Evaluation of electrochemical behavior of titanium scaffold produced by selective laser melting (SLM) method in PBS solution with different pH

11:45-12:00

Regular Talk 6: Müge YAYLA*, Arzu YILDIRIM, Hilal ÇELİK KAZICI, Hilal DEMİR KIVRAK, Nahit AKTAŞ, Van Yuzuncu Yil University, Türkiye
The Use of Surface - Printed Electrodes Modified with Carbon Derivatives i Racemic Drugs Separation

Season Break (Lunch Time 12:00-13:30)

Regular Presentations

13:30-14:00

Invited Talk 1 (Online): Haider Butt, Khalifa University, UAE
Nanopatterned and 3D printed Contact Lenses

14:00-14:15

Regular Talk 1: Rahman Karimi-Nami, Vahid Khakyzadeh, University of Maragheh, Iran
Electrosynthesis and characterization of new Cobalt-MOFs as an effective catalyst in C-X bond formation reactions

14:15-14:30

Regular Talk 2: Aziz Habibi-Yangjeh, Nasrin Sedaghati, Arezou Saadati, Zahra Salmanzadeh-Jamadi, University of Mohaghegh, Iran
Fabrication of Some Novel Visible-Light-Triggered Photocatalysts Based on Colored Titanium Dioxide: Impressive Performances for Degradations of Wastewater Contaminants

14:30-14:45

Regular Talk 3: Dilara ÖZTÜRK, Gebze Technical University, Türkiye
Comparison of the Treatment Performances of the PbO₂ Electrode Prepared by the Thermal Deposition Method with the Commercial PbO₂ Electrodes

14:45-15:00

Regular Talk 6: Esra Karataş, Lokman Şener, Yaşar Karataş, Mehmet Gülcan, Van Yuzuncu Yil University, Türkiye
The Functionalized Graphene Supported Rh Nanoparticles: Synthesis, Characterization and Investigation of Catalytic Performance of the Ethylenediamine-Bisborane Hydrolysis

Coffee Break (Poster Season 1)

Poster Season 1

ID21: Habibollah Eskandari, University of Mohaghegh Ardabili, Iran
Chloramine-T in an On-line Photo-production of Reagent Radicals for Fast and Sensitive Detection of Biological Thiols Using Highly Photoluminescent Carbon Quantum Dots

ID26: Somayeh Fekri, Yagoub Mansoori, Abolfazl Bezaatpour, University of Mohaghegh Ardabili, Iran
A New Bis(NHC)-Pd(II) Complex Supported on Magnetic SBA-15 for The Selective Aerobic Oxidation of Benzyl Alcohols to Benzaldehydes

ID27: D. Seifzadeh and R. Samadianfard, University of Mohaghegh Ardabili, Iran
Smart sol-gel nanocomposite for corrosion protection of AM60B magnesium alloy

ID72: Teoman KABADAYI, Mehmet TUNÇ, Van Yuzuncu Yil University, TURKIYE
Development and Characterization of Ruthenium Based Catalyst For Hydrazine-Borane Metanolysis

ID73: Nurgül KAVAK, Mehmet TUNÇ, Van Yuzuncu Yil University, TURKIYE
Investigation Of Catalytic Performance In Hydrolysis of N₂h₄bh₃ Of Rh Nanoclusters Supported Active C That An Effective Catalyst

ID73: Yaşar KARATAŞ, Adem Rüzgar, Mehmet Gülcan, Van Yuzuncu Yil University, TURKIYE
Synthesis and Characterization of MXene Stabilized Polymetallic Nanoclusters for the Selective Decomposition of Hydrazine Hydrate*

ID46: Kratochvíl P, University of Chemistry and Technology in Prague, Czech Republic
High-Entropy Alloys Composite Based on CoCrFeNi System

ID46: Angelina STRAKOSOVA, University of Chemistry and Technology in Prague, Czech Republic
Mechanical and Tribological Properties of the CoCrFeNiAlX (X=10, 20, 30 at.%) High-Entropy Alloys Prepared by Powder Metallurgy

ID91 (Online): Oksana P. Vitriak, UKRAINE
The Theoretical Description For Amavadin-Assisted Ledol Electrochemical Determination In Honeys

ID92 (Online): Bohdana Yu. Banul, UKRAINE
The Theoretical Description For Paracetamol And Naproxen Electrochemical Determination, Assisted By Conducting Polymer Composite With Cobalt (III) Oxyhydroxide

ID93 (Online): T.D. Onyshchuk, UKRAINE
The Theoretical Description For Omeprazole Cathodic Determination In Acidic Media

15:00-15:30

Regular Presentations

15:30-15:45	<p>Regular Talk 1: Sevda Teymorpour, Mehrdad Shahbaz, Majid Kavanlouei, Maryam Yaldagard, Urmia University, Iran</p> <p><i>Effect of the Vortex Extrusion as a Severe Plastic Deformation Technique on the Precipitations Distribution in Al-Mg-Si Alloy</i></p>
15:45-16:00	<p>Regular Talk 2: Ihsan KIRIK, Ömer BARAÇ, Anıl İMAK, Bingol University, Türkiye</p> <p><i>Friction welding of Cu matrix SiC reinforced composite</i></p>
16:00-16:15	<p>Regular Talk 3: Fırat Salman, Hilal Çelik Kazıcı, Mehmet Sait İZGİ, Van Yuzuncu Yil University, Türkiye</p> <p><i>Synthesis of different support nanocatalyzers and hydrogen peroxide sensor applications</i></p>
16:15-16:30	<p>Regular Talk 4: Funda AYDIN, Volkan ALKAN Van Yuzuncu Yil University, Türkiye</p> <p><i>Development of A New Liquid-Phase Microextraction Method Based on The Use of Menthol/Decanoic Acid Hydrophobic Eutectic Solvent for Determination of Basic Fuchsin Dye in Water</i></p>
16:30-16:45	<p>Regular Talk 5: Hilal BARAK, Vahap YÖNTEN, Van Yuzuncu Yil University, Türkiye</p> <p><i>The using of Bentonite/Amberlite XAD-7 composite material for the removal of Methylen Blue and characterization of adsorbent.</i></p>
16:45-17:00	<p>Regular Talk 6: Volodymyr V. Tkach, Chernivtsi National University, Ukraine</p> <p><i>The Theoretical Description For 4-4'-Dihydroxydiphenyl And 4-4'-Dihydroxyazobenzene Electrochemical Determination In Agaricus Xanthodermus Mushroom Over Cobalt (Iii) Oxyhydroxide</i></p>

VESTA HALL (Only Virtual Season, GMT+3)

03 October, 2022

08:30-09:30

Registration and Reception

Regular Presentations

09:30-09:45

Regular Talk 1 (Online): Madhumita Mukhopadhyay, Maulana Abul Kalam Azad University of Technology (MAKAUT), India

Conduction Mechanism in Ion Conducting Electrolyte & Mixed Conducting Electrodes for Electrochemical Device Application

09:45-10:00

Regular Talk 2 (Online): Arzu Keven, Rabi KARAALI, Kocaeli University, Turkiye
Analysis of Some Tribological Properties of Canola Oil in Two-Stroke Gasoline Engines

10:00-10:15

Regular Talk 3 (Online): Ali Kemal ÇAKIR, Adnan Menderes University, Turkiye
Energy/Exergy Efficiency in Hard Turning Processes: A Case Study

10:15-10:30

Regular Talk 4 (Online): Şafak ÜRKMEZ, Zafer GEMICI, Yildiz Technical University, Turkiye

Experimental Investigation of Heat Transfer and Pressure Drop Characteristics of a Rectangular Narrow Channel Type Heat-Exchanger with Rectangular Staggered Fins

10:30-10:45

Regular Talk 5 (Online): Medine Nur Turkoglu ELITAS, Bilecik University, Turkiye
Evaluation of world countries and renewable energy sources in terms of electricity generation with cluster analysis

Coffee Break (10:45-11:00)

11:00-11:30

Keynote Talk (Online): Mohammad A. Qasaimeh, New York University Abu Dhabi, UAE

Bioengineered Filter Paper Platforms for Efficient Cryopreservation of Cells and 3D Tumor Models

11:30-11:45

Regular Talk 1 (Online): Leyla Khani, Mousa Mohammadpourfard, Gulden AKKURT, University of Tabriz, Tabriz, Iran

Advanced Exergy Analysis of Goswami Power and Cooling Production Cycle

11:45-12:00

Regular Talk 2 (online): Valentyna D. Yuzkova, Chernivtsi National University, Ukraine
The Theoretical Description For Galvanostatic Copper Ion Determination In Wines

12:00-12:15	<p>Regular Talk 3 (online): Fahriddin A. Umarov, Termez branch of Tashkent Medical Academi, Uzbekistan</p> <p><i>The Theoretical Description For Ecopipam Electrochemical Determination On Amavadin-Ion-Modified Conducting Polymer Electrode</i></p>
12:15-12:30	<p>Regular Talk 4 (Online): Emrah MELETLİOĞLU, Recep SADELER, Ataturk University, TURKIYE</p> <p><i>Comparison of Corrosion and Antibacterial Properties of Silver Coatings on Ti6AL4V by Magnetron Sputtering</i></p>
<p>Season Break (Lunch Time 12:00-13:30)</p>	
<p>Regular Presentations</p>	
13:30-13:45	<p>Regular Talk 1 (Online): Muhammed Elitaş, Bilecik University, TURKIYE</p> <p><i>Investigation of RSW Hardness of Deep Drawing Steel Used in Shaping Vehicle Body Panels</i></p>
13:45-14:00	<p>Regular Talk 2 (Online): Filipe AMARAL, Coimbra Health School, Portugal</p> <p><i>New trends in energy storage for implantable medical devices</i></p>
14:00-14:15	<p>Regular Talk 3 (Online): Rüstem Binali, Selcuk University, Turkiye</p> <p><i>A Study on Analysis of Surface Roughness Variations of Nimax Mould Steel after Turning Operation</i></p>
14:15-14:30	<p>Regular Talk 4 (Online): Emre AKIN, Mustafa ÇAKIR, Boran BERBEROGLU, Marmara University, Turkiye</p> <p><i>Synthesis and characterization of flexible polydimethylsiloxane containing resin for 3D SLA printers</i></p>
14:30-14:45	<p>Regular Talk 5 (Online): Bahadır Erman Yuce, Serkan OZEL, Bitlis Eren University, Turkiye</p> <p><i>Numerical Investigation of Thermal Performance of Diesel Engine Piston Coated with WC and ZrO₂</i></p>
14:45-15:00	<p>Regular Talk 6 (Online): Muhammed Taha TOPCU, Ahmet Tahir KALKIŞIM, Kadir BİLEN, Ataturk University, Turkiye</p> <p><i>In A Car Air Conditioning System Using R134a The Use Of R-407c And R410 an As Alternatives and In A Thermodynamic Perspective Performance Evaluation</i></p>

Coffee Break (Poster Season 2)

15:00-15:30

Poster Season 2

Regular Presentations

15:30-15:45

Regular Talk 1 (Online): N. Başaran, E. Boztepe, A. Karakaya, S. Aksan1, N. Tamsü Selli, Gebze Technical University, Türkiye

Investigation of Halloysite Clay as a Binder in Porcelain Tile Compositions

15:45-16:00

Regular Talk 2 (Online): Zeynel OZTURK, Cumhuriyet University, Türkiye
Poroz Grafen Kafesler (PGFs): Yüzey Alanı / Hidrojen Depolama İlişkisi Hakkında Hesaplamalı bir Durum Çalışması

16:00-16:15

Regular Talk 3 (Online): Zh. O. Kormosh, Lesya Ukrainka Volyn National University, Ukraine

The Theoretical Description For Copper Oxide Nanoparticles Assisted Thiophene Electropolymerization

16:15-16:30

Regular Talk 4 (Online): D. M. Musayeva, Bukhara State Medical Institute, Uzbekistan

The Theoretical Description For Magnesium-Ion Determination, Based On Galvanostatic Electropolymerization Of Magnezona-Xc

16:30-16:45

Regular Talk 5 (Online): Mehmet Sefa BODUR, Alper Adrian BAYSAN, Yeditepe University, TURKEY

Effect of electrospun polycarbonate nano fiber on the mechanical properties of glass fiber reinforced composites

16:45-17:00

Regular Talk 6 (Online): Phuong T. K. Nguyen, Duy Tan University, Vietnam

A New Zinc-Based Metal-Organic Framework for Catalytic Synthesis of N-Substituted Pyrroles

17:00-17:15

Regular Talk 7 (Online): Gül GÖRMEZ, Van Yüzüncü Yıl Üniversitesi, Sağlık Bilimleri Fakültesi Van, Türkiye

Use of medicinal plants as bioactive natural compounds in modern medicine applications

17:15-17:30

Regular Talk 8 (Online): Zilan ŞİRP, Ayşe OZGUVEN, Dilara OZTURK, Van Yuzuncu Yil University, Türkiye

Using α -Fe₂O₃/Kaolin Nanocomposite as Heterogenous Fenton Catalyst for Malachite Green Decolorization

CALLISTO HALL

08:30-09:30 Registration and Reception

Keynote Presentations

09:30-10:00 **Keynote Talk 1 (Online): Oleg Tretiakov**, University of New South Wales, Sydney, Australia
Novel Topological Thermoelectrics

Regular Presentations

10:00-10:15 **Regular Talk 1: B. Pasoodeh**, V.A. Mirzaloo, M. Shahbaz, K. Hajizade, J.A. Kaklar, Urmia University, Iran
Investigation of the strain inhomogeneity in Cyclic Extrusion Compression in Equal Channel Angular Pressing by FEM and RSM methods for CP-Ti

10:15-10:30 **Regular Talk 2: Ghodrat Mahmoudi**, University of Maragheh, Iran
New Ni(II) complex for the Anticancer application on A549 lung cancer cells: Syntheses, Crystal structures, Theoretical studies

10:30-10:45 **Regular Talk 3: Halit DEMİR**, Van Yuzuncu Yil University, Turkiye
Does decreased antioxidant defense systems cause cancer?

Coffee Break (10:45-11:00)

11:00-11:15 **Regular Talk 1: Ali AKBARI**, Urmia University of Medical Sciences, Iran
Our Contributions to Biomedical Applications of Advanced Hybrid Organic-Inorganic Nanomaterials (Polyhedral Oligomeric Silsesquioxanes)

11:15-11:30 **Regular Talk 2: İhsan KIRIK**, Fadile BULUT, Anıl İMAK, Bingol University, TURKIYE
Coating of AISI 1040 steel with Ni-based SiC reinforced ceramic powders by TIG Welding

11:30-11:45	<p>Regular Talk 3: Shaghayegh Alizadeh, Mehrdad Shahbaz, Majid Kavanlouei, Urmia University, Iran <i>Effect of Machining Process on Electrochemical Behavior of Ti6Al4V-ELI Dental Implant in PBS Solution</i></p>
11:45-12:00	<p>Regular Talk 4: Amirreza Alavizade, Mehrdad Shahbaz, Majid Kavanlouei, Urmia University, Iran <i>Effect of milling parameters on the microstructural features of nanopowders obtained by ball milling of Ti6Al4V scraps</i></p>
<p>Season Break (Lunch Time 12:00-13:30)</p>	
<p>Regular Presentations</p>	
13:30-13:45	<p>Regular Talk 1: Khalil Valizadeh kamaran, Hesam Shokati, Hesam Shokati, University of Tabriz, Iran <i>Identification of optimal locations for construction of photovoltaic solar power plants in Iran using the integration of fuzzy DEMATEL and FANP</i></p>
13:45-14:00	<p>Regular Talk 2: Volodymyr V. Tkach, Chernivtsi National University, Ukraine <i>The theoretical description for hydroxyquinol and sesamol CoO(OH)-assisted electrochemical determination in tahini halva</i></p>
14:00-14:15	<p>Regular Talk 3: Hilal Çelik Kazıcı, Fırat Salman, Mehmet Sait İZGİ Fırat Salman, Mehmet Sait İZGİ, Van Yuzuncu Yil University, Türkiye <i>Synthesis, characterization and application of supported Co-Ni-Cr metal catalysts</i></p>
14:15-14:30	<p>Regular Talk 4: Murat Ozdemir, Cuma Karakus, Emrullah Kocaman, Gaziantep University, Türkiye <i>Biogas Potential to be Obtained from Gaziantep Province Cattle</i></p>
14:30-14:45	<p>Regular Talk 5: B. Salehebrahimnejad, M. Shahbaz, M. Moradi, Urmia University, Iran <i>Novel optimized die geometry to reduce die-roll size in fine-edge blanking process</i></p>
14:45-15:00	<p>Regular Talk 6: Baimyrza Perizat, Askar Kalen, Iminova Rizvangul, Kairalapova Gulfairuz, Al-Farabi Kazakh National University, Kazakhstan <i>Synthesis of composite cryosorbents based on polymethacrylic acids-bentonite clay and study of their physico-chemical properties</i></p>

Poster Season 2

ID28: Mohammad Reza Zamanloo, Sheyda Moradi, Zaynab Ahmadian, University of mohaghegh Ardabili, Iran

PEG-PCL-based Polymeric Micelles with Reduction Sensitivity for Cancer Drug Delivery: Design, Synthesis and Delivery Investigations

ID32: Eslam Pourbasheer, Elahe Javid Germi, University of Mohaghegh Ardabili, Ardabil, Iran

Using the Magnetic Iron Nanoparticles for Extraction and Determination of Dasatinib- Monohydrate in Real Samples

ID37: Maryam Zirak, Bagher Eftekhari-Sis, University of Maragheh, Iran

Synthesis and Phase Selective Gelation Properties of N-(4-Hydroxyphenyl) Oleylamide; A Simple Removal of Oil Spills From Top of Water

ID51: Průša F. Nguyen, University of Chemistry and Technology, Czech Republic
Short-term mechanical alloying – powerful tool for preparation of high-entropy alloys

ID74: Omer Tanyol, Mehmet TUNÇ, Van Yuzuncu Yil University, Turkiye

The Synthesis Of MWCNTs Supported Nanoclusters And The Reaction Kinetics For Catalytic Hydrolysis Of Hidrazine Borane

ID74: Yaşar Karataş, Adem Rüzgar, Mehmet Gülcan, Van Yuzuncu Yil University, Turkiye

Preparation and Detailed Characterization of Hydroxyapatite Decorated Palladium Nanoparticles for The Nitrophenol Reduction*

ID78: Arzu Kızıldaş, Lokman Şener, Yaşar Karataş, Mehmet Gülcan, Van Yuzuncu Yil University, Turkiye

Preparation and Characterization of Magnetic Rh (0) Nanoparticles Stabilized by Quaternary Hybrid Composite for the Hydrogen Production from Ammonia-Borane*

ID94 (Online): Vitalii M. Kishchuk, UKRAINE

The Theoretical Modeling For Pregabalin And Gabapentin Vo(OH)-Assisted Electrochemical Determination

ID95 (Online): Bohdana Yu. Banul, UKRAINE

The Theoretical Description For Hg²⁺ Electrochemical Determination And Elimination, Assisted By 2-Mercaptobenzimidazole

ID96 (Online): Tetyana V. Morozova, UKRAINE

The Theoretical Description For Vo(OH)-Assisted Cyanide Gas Sensor

15:00-15:30

Regular Presentations

15:30-15:45	<p>Regular Talk 1: Can Yılmaz, Hüseyin Ali Yıldırım, Tuba Top, Mehmet Zahmakiran, Mehmet Yurderi, Bartın University, TURKIYE <i>ZIF-8 Decorated Bimetallic FeMo Nanoparticles: H₂ Generation from the Catalytic Hydrolysis of Ammonia-Borane</i></p>
15:45-16:00	<p>Regular Talk 2: Reşit ÖZMENTES, Van Yuzuncu Yil Univeristy, Turkiye <i>Optical Properties of Tin Oxide Thin Films</i></p>
16:00-16:15	<p>Regular Talk 3: Hilal Çelik Kazıcı, Fırat Salman, Yüksel Akınay, Van Yuzuncu Yil University, Turkiye <i>A new electrochemical sensor based on Ba-Sb/MXene nanocomposite for the detection of H₂O₂</i></p>
16:15-16:30	<p>Regular Talk 4: Tuğba Gür, İsmet Meydan, Canan Demir, Nuran Bazencir, Van Yuzuncu Yil University, Turkiye <i>Investigation of Antioxidant Capacity of Ethanol Extract of Carthamus tinctorius L. Plant</i></p>
16:30-16:45	<p>Regular Talk 5: Mesut Aydın, Halit Demir, Keziban Evliyaoğlu, Canan Demir, Van Yuzuncu Yil University, Turkiye <i>Comparison of some antioxidant activities and polyphenol oxidase enzyme in black elderberry fruit in different regions of Turkey</i></p>
16:45-17:00	<p>Regular Talk 6: Basharat Want, University of Kashmir, India <i>First order reversal curve method for characterization of magnetic materials</i></p>
17:00-17:15	<p>Regular Talk 7: Gül GÖRMEZ, Van Yüzüncü Yıl Üniversitesi, Sağlık Bilimleri Fakültesi Van, Türkiye <i>Effects of Rosa canina L. extracts on HCT116 cell line</i></p>

VESTA HALL (Only Virtual Season, GMT+3)

04 October, 2022

08:30-9:30

Registration and Reception

Regular Presentations

09:30-09:45

Regular Talk 3 (Online): Tuğba GÜRMEN, Ege University, Türkiye
Encapsulation of Polyethylene Glycol (PEG) into Pores of Alumina-Silica Particles as Solid-Liquid Phase Change Material (PCM)

10:15-10:45

Regular Talk 3 (Online): Toygun DAGDEVIR (Online), Erciyes University, Department of Mechanical Engineering, Turkey
Numerical investigation of battery thermal management by using different phase change materials under extreme working conditions

Coffee Break (10:45-11:00)

11:00-11:15

Regular Talk 1 (Online): Betül Çiçek Özkan, Fırat University, Türkiye
Photocatalytic Degradation of Basic Blue 41 in Aqueous Suspension of TiO₂/Graphene Nanocomposite

11:15-11:30

Regular Talk 2 (Online): Tuba TOP*, Ahmet BULUT, Mehmet YURDERİ, Mehmet ZAHMAKIRAN, Bartın University, Türkiye
The Synthesis, Characterization, and Catalytic Application of Carbon-Supported Bimetallic NiCo Nanoparticles in the Methanolysis of Ammonia Borane

11:30-11:45

Regular Talk 3 (Online): Mustafa Yusuf YAZICI, Samsun University, Türkiye
Performance of Graphite Matrix Composite with Phase Change for Small-Scale Li-Ion Package Under Square Wave Load

11:45-12:00

Regular Talk 4 (Online): Huseyin DEMIRTAS, Karabuk University, TÜRKİYE
The Effect of NbB₂ Addition at Different Ratios on the Compressive Strength of Aluminium

Season Break (Lunch Time 12:00-13:30)

Regular Presentations

14:00-14:30	Invited Talk (Online): Sanjairaj Vijayavenkataraman , New York University Abu Dhabi, UAE <i>3D Printing and Bioprinting for Biomedical Applications</i>
14:30-14:45	Regular Talk 1 (Online): Emre AKIN, Mustafa ÇAKIR , Boran Berberoğlu, Marmara University, Türkiye <i>Synthesis and characterization of flexible butadien containing resin for 3D SLA printers</i>
14:45-15:00	Regular Talk 2 (Online): Hanifi KEBİROGLU , Sultan ERKAN, Niyazi BULUT, Fırat University, Türkiye <i>Investigation of analysis of mifepristone Ru-486 molecule using Quantum chemical method</i>
14:30-14:45	RegularTalk 3 (Online): Gurur Furkan Sarılmaz , Candeniz SEÇKIN Marmara University, Türkiye <i>Hydrogen and Electricity Production with Nuclear Power Plant and Solar Cells</i>
14:45-15:00	Regular Talk 4 (Online): Abdulai Rabi , Gaziantep University, Türkiye <i>Data Acquisition Systems (Daqs) In Photovoltaic Cells</i>
Coffee Break (Poster Season 1)	
15:00-15:30	Poster Season 1
Regular Presentations	
15:30-16:00	Regular talk 1 (online): Volodymyr V. Tkach , Chernivtsi National University, Ukraine <i>The Theoretical Description For Polyindolic Green Conducting Synthesis, Assisted By Cobalt (III) Oxyhydroxide</i>
16:00-16:15	Regular Talk 2 (Online): M.C. Nunes , Chernivtsi National University, Ukraine <i>The Theoretical Description For Pyrrole Derivative Indirect Electropolymerization, Assisted By Metahypoferrate Ion</i>
16:15-16:30	Regular Talk 3 (Online): José Inácio Ferrão da Paiva Martins , Universidade do Porto, Portugal <i>The Theoretical Description For Orellanin Electrochemical Determination And Electropolymerization On Cerium Dioxide Composite With Chalcone Polymers</i>

16:30-16:45

Regular Talk 4 (Online): S.M.Lukanova, Faculdade de Engenharia da Universidade do Porto, Portugal

The Theoretical Description For Co(OH)-Assisted Risperidone Electrochemical Determination

16:45-17:00

Regular Talk 5 (Online): O.V. Luganska, Zaporizhzhia National University, UKRAINE

The Theoretical Description For Vo(OH)-Assisted Procarbazine Cathodic Electrochemical Determination

17:00-17:15

Regular Talk 6 (Online): I.M. Khmeliar, Rivne State Basic Medical Academy, UKRAINE

The Theoretical Description For Diclophenac Determination In Alkaline Medium Over Cobalt (III) Oxyhydroxide

17:15-17:30

Regular Talk 7 (Online): Mykola P. Krasko, Zaporizhzhia State Medical University, UKRAINE

The Electrochemical Oxidation Of Procarbazine On Nickel(II)Oxyhydroxide And Its Mathematical Evaluation