



## THE **TENTATIVE** PROGRAM

**APMAS 2025**

**ENEFM 2025**

**GENERA 2025**

**MEDOPTICS 2025**



**APMAS 2025**  
**15<sup>th</sup> International Advances in Applied Physics & Materials**  
**Science Congress & Exhibition**  
*OCTOBER 21-27, 2025*

**ENEFM 2025**  
**11<sup>th</sup> International Congress on Energy Efficiency and Energy**  
**Related Materials**  
*OCTOBER 21-27, 2025*

**GENERA 2025**  
**Global Exchange on Next-Gen Engineering and Life Sciences**  
**Research and Applications**  
*OCTOBER 21-23, 2025*

**MEDOPTICS 2025**  
**4<sup>th</sup> International Conference on Medical Optics**  
*OCTOBER 21-27, 2025*

**Liberty Hotels Lykia, Oludeniz**  
**MUGLA / TURKEY**

| <b>TENTATIVE PROGRAM</b><br><i>SUNDAY, OCTOBER 19, 2025</i> |   |
|---|---|
| <i>14:00-16:30</i>  | <b>REGISTRATION FOR EARLY ARRIVALS</b><br><i>(14:00 Check-in)</i> |

| <b>TENTATIVE PROGRAM</b><br><i>MONDAY, OCTOBER 20, 2025</i> |  |
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| <i>9:00-16:30</i>   | <b>REGISTRATION</b><br><i>(14:00 Check-in)</i> |
| <i>Everyday Tours</i>                                       | <b>SOCIAL PROGRAM</b>                          |

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|  | <ul style="list-style-type: none"> <li>• <i>Saklıkent Jeep Safari</i></li> <li>• <i>Paragliding in Oludeniz</i></li> </ul> |
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| <div>TENTATIVE PROGRAM</div> <div>TUESDAY, OCTOBER 21, 2025</div> |   |
|---|---|
| APMAS & ENEFM & GENERA & MEDOPTICS                                |   |
| HALL 1  |   |
| <div>PLENARY SESSION</div> <div>10:30-11:15</div>                 | <div>Chairperson: A.Yavuz Oral</div> <div>Thomas Webster</div> <div>Brown University, USA</div> <div>“ID3- Next Generation Implants: Say "No" to Drugs and "Yes" to Nanomedicine: 30,000 Human Successes”</div>   |
| <div>11:15-11:45</div>  | COFFEE BREAK  |
| <div>PLENARY SESSION</div> <div>11:45-12:30</div>                 | <div>Chairperson: A.Yavuz Oral</div> <div>Tahir Tahirov</div> <div>University of Nebraska Medical Center, Eppley Institute for Cancer Research, USA</div> <div>“ID6- Mechanism of human primosome function”</div> |

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| <div>12:30-14:00</div>                   | LUNCH  |   |
| <div>PARALLEL SESSIONS 14:00-15:30</div> | <div>APMAS ENEFM</div> <div>HALL 1</div> <div>Chairperson: Aliaksandr Smirnov</div> <div>14:00-14:30</div> <div>Aliaksandr Smirnov</div> <div>BSUIR, Belarus</div> <div>(invited speaker)</div> <div>ID2815- Memristive memory array based on chalcogenide phase change materials: physics, technology and applications</div> <div>14:30-15:00</div> <div>Tatiana Kuzmicheva</div> <div>Lebedev Physical Institute RAS, Russian Federation</div> <div>(invited speaker)</div> <div>ID2862- Possible Spectroscopic Evidence of Electron Nematicity in Na-deficient and Underdoped Na(Fe,Co)As Pnictides</div> <div>15:00-15:30</div> <div>Elena Alekseeva</div> <div>Saint-Petersburg University, Russian Federation</div> <div>(invited speaker)</div> <div>ID643- Nitrogen Ion Modification of Carbon Nanotubes as a Versatile Platform for 2e<sup>-</sup> and 4e<sup>-</sup> Oxygen Reduction Pathways</div> | <div>APMAS GENERA MEDOPTICS</div> <div>HALL 2</div> <div>Chairperson: Dina Deyneko</div> <div>14:00-14:30</div> <div>Dina Deyneko</div> <div>Lomonosov Moscow State University, Russian Federation</div> <div>(invited speaker)</div> <div>ID2856- LUMINESCENT MATERIALS IN BONE SUBSTITUTES</div> <div>14:30-15:00</div> <div>Lucian Baia</div> <div>“Babes-Bolyai” University, Romania</div> <div>(invited speaker)</div> <div>ID2841- Alginate-based biocomposites for tissue engineering applications</div> <div>15:00-15:30</div> <div>Monica Baia</div> <div>Babes-Bolyai University, Romania</div> <div>(invited speaker)</div> <div>ID2842- From Noble Metal Nanoparticles to Multifunctional SERS Substrates</div> |

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| 15:30-16:00                      | <b>COFFEE BREAK</b>   |
| PARALLEL SESSIONS<br>16:00-17:20 | <p style="text-align: center;"><b>APMAS ENEFM GENERA MEDOPTICS</b></p> <p style="text-align: center;"><b>HALL 1</b></p> <p><b>Chairperson:</b> Hendrik C Swart</p> <p>16:00-16:30<br/><b>Hendrik C Swart</b><br/>University of the Free State, South Africa<br/><b>(invited speaker)</b><br/><b>ID650-</b> Down and Upconversion layers for enhancing the performance of c-Si solar cell efficiency</p> <p>16:30-17:00<br/><b>Yuri Kalvachev</b><br/>Bulgarian Academy of Sciences, Bulgaria<br/><b>(invited speaker)</b><br/><b>ID2907-</b> Synthesis and application of nanosized mordenite</p> <p>17:00-17:20<br/><b>Man Xu</b><br/>China Nuclear Power Engineering Co., Ltd, China<br/><b>ID641-</b> Current Status of Modular Construction Technology for Nuclear Power Plants</p> |

| <b>TENTATIVE PROGRAM</b><br><b>WEDNESDAY, OCTOBER 22, 2025</b> |   |  |
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| <b>APMAS &amp; ENEFM &amp; GENERA &amp; MEDOPTICS</b>          |   |  |
| <b>HALL 1</b>  |   |  |
| PLENARY SESSION<br>09:45-10:30                                 | <p>Chairperson: <b>A.Yavuz Oral</b></p> <p style="text-align: center;"><b>Jian-Jiang Zhong</b><br/>Shanghai Jiao Tong University, China<br/>“<b>ID4-</b> Synthetic Biology-Based Biomanufacturing”</p>  |  |
| 10:30-11:00  | <b>COFFEE BREAK</b>   |  |
| PLENARY SESSION<br>11:00-11:45                                 | <p>Chairperson: <b>Ersin Kayahan</b></p> <p style="text-align: center;"><b>Krill V. Larin</b><br/>University of Houston, USA<br/>“<b>ID...</b>Recent Advances in Optical Coherence Elastography”</p>  |  |
| PARALLEL SESSIONS<br>11:00-12:30                               | <p style="text-align: center;"><b>APMAS ENEFM</b></p> <p style="text-align: center;"><b>HALL 1</b></p> <p><b>Chairperson:</b> Arcady Zhukov</p> <p>11:00-11:30<br/><b>Arcady Zhukov</b><br/>Univ. Basque Country, UPV/EHU, Spain<br/><b>(invited speaker)</b><br/><b>ID2821-</b> MAGNETIC PROPERTIES AND APPLICATIONS OF GLASS-COATED FERROMAGNETIC MICROWIRES</p> <p>11.30-12:00</p> | <p style="text-align: center;"><b>APMAS GENERA MEDOPTICS</b></p> <p style="text-align: center;"><b>HALL 2</b></p> <p><b>Chairperson:</b> József Bódis</p> <p>11:00-11:30<br/><b>József Bódis</b><br/>University of Pécs, Hungary<br/><b>(invited speaker)</b><br/><b>ID1-</b>Is ultra-weak photon emission a fast communication tool for DNA?</p> <p>11.30-12:00</p> |

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|             | <p><b>Carmen Tuca</b><br/>Horia Hulubei National Institute for R D in Physics and Nuclear Engineering, Romania<br/><b>(invited speaker)</b><br/><b>ID2814-</b> Developing and implementing of a digitalization system to streamline radiological characterization of the facilities under decommissioning</p> <p>12:00-12:30</p> | <p><b>Oksana Lastochkina</b><br/>Russian Academy of Sciences<br/><b>(invited speaker)</b><br/><b>ID20-</b> Endophytic PGP Bacteria Bacillus subtilis: Physiological and Molecular Regulation of Wheat Tolerance to Multiple Abiotic Stresses</p> <p>12:00-12:30<br/><b>Vijaya Srinivasu Vallabhapurapu</b><br/>University of South Africa, South Africa<br/><b>(invited speaker)</b><br/><b>ID2853-</b> Green ReRAMs through Biomaterials</p> |
| 12:30-13:15 | <b>LUNCH</b>   |   |
| 13:15-18:00 | <p><b>SOCIAL PROGRAM</b></p> <p>13:15-18:00 <b>GHOST TOWN &amp; BLUE LAGOON</b></p> <p><i>(Gathering at Congress registration desk)</i></p>  |   |

| <div>TENTATIVE PROGRAM</div> <div>THURSDAY, OCTOBER 23, 2025</div> |  |
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| <div>APMAS &amp; ENEFM &amp; GENERA &amp; MEDOPTICS</div>          |  |
| HALL 1   |  |
| <div>PLENARY SESSION</div> <div>10:00-10:45</div>                  | <div>Chairperson: A.Yavuz Oral</div> <div>Alper Sahiner</div> <div>Seton Hall University, USA</div> <div>“ID..- xxx”</div>   |
| <div>10:45-11:15</div>   | COFFEE BREAK   |
| <div>PLENARY SESSION</div> <div>11:15-12:00</div>                  | <div>Chairperson: Ersin Kayahan</div> <div>Meltem Izzetoglu</div> <div>Villanova University, USA</div> <div>“ID616- Optical Neuromonitoring for the Study of Cognitive Aging and Age-related Diseases”</div> |
| <div>12:30-14:00</div>   | LUNCH  |



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| PARALLEL SESSIONS<br>14:00-15:30 | <p>APMAS ENEFM GENERA MEDOPTICS</p> <p>HALL 1</p> <p>Chairperson: Balázs Illés</p> <p>14:00-14:30<br/> <b>Balázs Illés</b><br/> <b>Budapest University of Technology and Economics, Hungary</b><br/> <i>(invited speaker)</i><br/> <b>ID2837-</b> Quality and reliability of SnAgCu composite solder joints</p> <p>14:30-15:00<br/> <b>Antonio Barbier</b><br/> CEA, France<br/> <i>(invited speaker)</i><br/> <b>ID2914-</b> Multiferroic embedded ferrite platelets in BaTiO3</p> <p>15:00-15:30<br/> <b>Branko Stankovic</b><br/> Energonauts LLC, Canada<br/> <i>(invited speaker)</i><br/> <b>ID651-</b> Modified Rankine Cycle Without Heat Rejection, Driven by a Wet-Vapor-Region Thermocompressor</p>  |
|                                  | <p>15:30-16:00</p> <p>COFFEE BREAK</p>  |
| PARALLEL SESSIONS<br>16:00-17:10 | <p>APMAS ENEFM GENERA MEDOPTICS</p> <p>HALL 1</p> <p>Chairperson: Nadezhda Kudryasheva</p> <p>16:00-16:30<br/> <b>Nadezhda Kudryasheva</b><br/> Institute of Biophysics SB RAS, Russian Federation<br/> <i>(invited speaker)</i><br/> <b>ID622-</b> Application of Luminous Bacteria in Nanobiotechnology and Biomedicine: Monitoring of Biological Activity and Biosynthesis of Nanoparticles</p> <p>16:30-16:50<br/> <b>Krishna Thej Pammi Guru</b><br/> University of South Africa, South Africa<br/> <b>ID2858-</b> Bio-Inspired ReRAM: Turmeric-Based Memory for Green Computing</p> <p>16:50-17:10<br/> <b>Ngonidzashe Masunga</b><br/> University of South Africa, South Africa<br/> <b>2861-</b> Spinel ferrite functionalised C3N5 nanocomposite for hydrogen evolution and photodegradation of organic pollutants in water: Progress made and way forward</p> |
|                                  | <p>17:10-17:30</p> <p>COFFEE BREAK</p>  |
| 17:30-18:30                      | <p><b>FOYER (Poster Session Area)</b></p> <p>Chairperson: A. Yavuz Oral</p> <p><b>POSTER SESSION I</b></p> <p>APMAS &amp; GENERA &amp; MEDOPTICS</p>  |
| 19:30-21:30                      | <p><b>SPECIAL DINNER WITH ENEFM &amp; MEDOPTICS &amp; GENERA PLENARY - INVITED SPEAKERS</b></p> <p><i>(Authentic Turkish Cuisine)</i></p>   |

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| <b>TENTATIVE PROGRAM</b><br><b>FRIDAY, OCTOBER 24, 2025</b>   |   |
| <b>APMAS &amp; ENEFM &amp; MEDOPTICS</b>                      |   |
|   | <b>HALL 4</b>   |
| <b>SPECIAL SESSION</b><br>10:30-12:30                         | Chairperson: A.Yavuz Oral<br><br>10:30-11:00<br><b>Desireé Cranfield</b><br>University of Swansea, UK<br><b>(invited speaker)</b><br><b>ID209-</b> The AI Wake-Up Call: Are Academics Ready to Redesign Assessment?   |
|   | 11:00-12:30<br><b>SPECIAL SESSION (FOYER)</b><br><br><b>A conversational AI-Cafe: "Academic Assessment in Crisis: Who’s Rethinking, Who’s Ready, and Who’s Left Behind?"</b>  |
| 12:30-14:00   | <b>LUNCH</b>  |
| <b>PARALLEL SESSIONS</b> 14:00-15:20                          | <b>APMAS ENEFM MEDOPTICS</b><br><br><b>HALL 1</b>   |
|   | <b>Chairperson:</b> Martin Bernier<br><br>14:00-14:30<br><b>Martin Bernier</b><br>COPL, Laval University, Canada<br><b>(invited speaker)</b><br><b>ID625-</b> Mid-infrared fiber lasers for medical applications<br><br>14:30-15:00<br><b>Georgi Vayssilov</b><br>Sofia Unviersity, Bulgaria<br><b>(invited speaker)</b><br><b>ID2829-</b> Computational study of the cerium dioxide nanoparticles and surfaces under reaction conditions<br><br>15:00-15:20<br><b>Tebogo Sfiso Mahule</b><br>University of South Africa, South Africa<br><b>ID2851-</b> Photoluminescence and ESR study of nanosized TMCexDyxFe2-2xO4 (TM = Co, Ni) ferrites |
| <b>TENTATIVE PROGRAM</b><br><b>SATURDAY, OCTOBER 25, 2025</b> |   |
| <b>APMAS &amp; ENEFM &amp; MEDOPTICS</b>                      |   |
| <b>HALL 1</b>   |   |

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| <div>PARALLEL SESSIONS</div> <div>10:30-12:30</div> | <p><b>Chairperson:</b> Sergey Katsyuba</p> <p>10:30-11:00<br/> <b>Sergey Katsyuba</b><br/> FRC Kazan Scientific Centre of RAS, Russian Federation<br/> <i>(invited speaker)</i><br/> <b>ID2831-</b> Halochromic systems for ratiometric luminescent thermometry</p> <p>11:00-11:30<br/> <b>Maciej Wojtaś</b><br/> University of Wroclaw, Poland<br/> <i>(invited speaker)</i><br/> <b>ID2898-</b> Structure and Piezoresponse of Novel Alanine-Based Hybrid Crystals</p> <p>11:30-11:50<br/> <b>Zineb Bouhssine</b><br/> Internationale University of Rabat, Morocco<br/> <b>ID632-</b> Thermal performance analysis of two eco-friendly wall materials in a Moroccan climate</p> <p>11:50-12:10<br/> <b>Jae Young JOO</b><br/> Korea Photonics Technology Institute<br/> <b>ID2848-</b> DEVELOPMENT OF STICKING ROAD LINE FOR HIGH VISIBILITY UNVER HEAVY WEATHER</p> |
| <div>12:30-14:00</div>                              | <p><b>LUNCH</b></p>  |
| <div>PARALLEL SESSIONS</div> <div>14:00-17:30</div> | <p>APMAS <b>ENEFM</b> <b>MEDOPTICS</b></p> <p>HALL 1</p> <p><b>Chairperson:</b></p> <p><i>(invited speaker)</i></p>  |
| <div>17:30-18:30</div>                              | <p><b>FOYER (Poster Session Area)</b></p> <p>Chairperson: A. Yavuz Oral</p> <p><b>POSTER SESSION II</b></p> <p>APMAS &amp; <b>ENEFM</b></p>  |
| <div>19:30-21:30</div>                              | <p><b>SPECIAL DINNER WITH APMAS PLENARY - INVITED SPEAKERS</b></p> <p><i>(Authentic Turkish Cuisine)</i></p>   |

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| <div> <div>TENTATIVE PROGRAM</div> <div>SUNDAY, OCTOBER 26, 2025</div> </div> |
| <div>APMAS &amp; <b>ENEFM</b> &amp; <b>MEDOPTICS</b></div>                    |



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| PARALLEL SESSIONS<br>10:30-12:30 | <p style="text-align: center;"><b>HALL 1</b></p> <p><b>Chairperson:</b> Darya Alontseva</p> <p>10:30-11:00<br/> <b>Darya Alontseva</b><br/> D. Serikbayev East Kazakhstan Technical University, Kazakhstan<br/> <i>(invited speaker)</i><br/> <b>ID2844-</b> Strategies for Implant-Associated Infection Control: In Vivo Insights on TaCu and NbCu Magnetron-Sputtered Coatings</p> <p>11:00-11:30<br/> <b>Oleg V. Levin</b><br/> St Petersburg State University, Russian Federation<br/> <i>(invited speaker)</i><br/> <b>ID644-</b> Direct Electrochemical Co-polymerization of 3,4-Ethylenedioxythiophene and Hydroquinone: Toward Conducting Redox Polymers for Aqueous Organic Batteries</p> <p>11:30-12:00</p> |
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| 12:30-13:15                      | <b>LUNCH</b>  |

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| 13:15-18:00 | <p><b>SOCIAL PROGRAM</b></p> <p><b>13:15-18:00 THE BOAT CRUISE AROUND EXCELLENT BAYS OF BLUE LAGOON &amp; VISIT TO St. NICHOLAS ISLAND</b></p> <p><i>(Gathering at Congress registration desk)</i></p> |
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| TENTATIVE P R O G R A M<br>MONDAY, OCTOBER 27, 2025 |   |
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| PARALLEL SESSIONS<br>10:00-11:30                    | <p style="text-align: center;"><b>APMAS ENEFM MEDOPTICS</b></p>   |
|   | <p style="text-align: center;"><b>HALL 1</b></p> <p><b>Chairperson:</b> Karolina Siskova</p> <p>10:00-10:30<br/> <b>Karolina Siskova</b><br/> Palacký University in Olomouc, Czech Republic<br/> <i>(invited speaker)</i><br/> <b>ID2902-</b> Bimetallic and trimetallic luminescent nanocomposites applied as multimodal bio-imaging and sensing platforms</p> <p>10:30-10:50<br/> <b>Bartłomiej Pabich</b><br/> AGH University of Krakow, Poland<br/> <b>ID2850-</b> Challenges in the plastic deformation of structurally heterogeneous materials</p> <p>10:50-11:10<br/> <b>Bartosz Środa</b><br/> West Pomeranian University of Technology in Szczecin, Poland<br/> <b>ID620-</b> gCN/MXene derived TiO2 composites for photocatalytic hydrogen generation under solar</p> |
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| 12:00   | <b>Hotel Check Out</b>  |

| PROGRAM LEGEND DESCRIPTIONS |                               |
|-----------------------------|-------------------------------|
| ID-                         | APMAS 2025 oral presentations |

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|-----|-----------------------------------|
| ID- | ENEFM 2025 oral presentations     |
| ID- | GENERA 2025 oral presentations    |
| ID- | MEDOPTICS 2025 oral presentations |

| <p align="center"><b>POSTER P R O G R A M</b></p> <p align="center"><b>THURSDAY, OCTOBER 23, 2025</b></p> <p align="center"><b>17:30-18:30</b></p>                       |   |                         |
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| <p><b>FOYER (Poster Session Area)</b></p> <p>Chairperson: A. Yavuz Oral</p> <p><b>POSTER SESSION</b></p> <p align="center"><b>APMAS &amp; GENERA &amp; MEDOPTICS</b></p> |   |                         |
| ID   | TITLE   | CONTACT AUTHOR          |
| 2804   | Surface modification of semiconductors using radicals generated by heated catalyst  | Akira Izumi             |
| 2797   | Synthesis and SERS Application of Microtubes for Trace Detection of Organic Contaminants  | Ilya Korolkov           |
| 2796   | Comparative Analysis of Two Acrylate Adhesives Exposed to Water Immersion   | Klára V. Machalická     |
| 2793   | Effect of Glass Surface Orientation on Mechanical Behavior of Acrylate Adhesive Joints  | Miroslav Vokáč          |
| 2787   | Determination of substances formed during combustion of wood-based materials  | Kamila Mizera           |
| 2802   | Mechanical properties of apple tissue under impact loading conditions   | Krzysztof Gołacki       |
| 2845   | In Vitro Biocompatibility of Robotic Microplasma Sprayed Zirconium Coatings on Titanium Alloy for Orthopedic Applications                       | Albina Kadyroldina      |
| 2846   | Magnetron sputtering of radio-absorbing multilayer Co-C-Cr coatings on undoped monocrystalline silicon  | Nadezhda Prokhorenkova  |
| 2880   | Histopathological Assessment of Cytoprotective Effects of 3-Aminopyridone Derivatives in a Rat Model of Metabolic Syndrome                      | Shynggys Sergazy        |
| 2878   | Cytoprotective Potential of Novel 3-Aminopyridin-2(1H)-one Derivatives in NIH/3T3 Fibroblast Culture  | Assel Urazbayeva        |
| 2875   | Polymer-Engineered Aβ-Degrading Enzymes for Alzheimer's Disease Therapy via ATRP Conjugation  | Bibifatima Kaupbayeva   |
| 2879   | Evaluation of 3-Aminopyridone Derivatives in a Rat Model of Metabolic Syndrome: Evidence of In Vivo Cytoprotection                              | Alexander Gulyayev      |
| 2895   | Targeting Accelerated Cellular Senescence for the Prevention of Post-COVID-19 Pulmonary Fibrosis: Screening of Synthetic and Natural Senolytics | Zarina Shulgau          |
| 2799   | Facile Synthesis Route for Bulk Production of Complex Fullerene-Like MoS2 Nanostructures With Enhanced Tribological Properties                  | Aleš Mrzel              |
| 2852   | Development of Organic-Inorganic Tandem Resistive ReRAMs for Green Computing  | Sreedevi Vallabhapurapu |
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| 23 | GENOTYPE-DEPENDENT ENDOPHYTIC PGP BACTERIA<br>Bacillus subtilis INOCULATION EFFICIENCY IN WHEAT:<br>RELATIONSHIP WITH SEEDS ENDOPHYTIC<br>MICROBIOME AND FIELD RESPONSE | Liudmila Pusenkova |
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## **TENTATIVE POSTER PROGRAM**

**SATURDAY, OCTOBER 25, 2025**

**17:30-18:30**

## FOYER (Poster Session Area)

Chairperson: A. Yavuz Oral

**POSTER SESSION**

**APMAS & ENEFM**

| ID   | TITLE  | CONTACT AUTHOR     |
|------|--|--------------------|
| 2822 | SINGLE DOMAIN WALL PROPAGATION IN CO-RICH MAGNETIC MICROWIRES WITH GRADED MAGNETIC ANISOTROPY  | Valentina Zhukova  |
| 2833 | Nanomaterials with bactericidal properties for medical textile applications  | Bauyrzhan Maratuly |
| 2832 | SYNTHESIS OF COUMARINPHOSPHONIUM SALTS AND REACTIONS WITH AROMATIC ALDEHYDE  | Rositca Nikolova   |
| 2843 | One-pot synthesis of fused-rings heterocyclic systems based on symmetrically benzofuran annulated 1,8-naphthalimides                     | Yulian Zagranyski  |
| 2865 | CORRELATION OF THE ELECTRONIC PROPERTIES OF 2D CONJUGATED MOFS WITH THEIR LINKER AROMATICITY USING NUCLEAR INDEPENDENT CHEMICAL SHIFT    | Kristina Simeonova |
| 2912 | Plant-Derived Exosome-Like Nanoparticles from Berries as Novel Carriers of Polyphenols: Safety and Anti-Inflammatory Properties In Vitro | Nursultan Kalamov  |
| 2906 | ANALYSIS OF OIL-PAPER INSULATION MATERIAL IN POWER TRANSFORMERS USING FREQUENCY DIELECTRIC SPECTROSCOPY                                  | Miroslav Gutten    |
| 2806 | Corrosion of Al-Mg-Sc alloy and its inhibition by surface organosilicon micro and nanolayers   | Maxim Petrunin     |
| 2860 | Insights into the defect structure of NaBa12(BO3)7F4 (NBBF) crystals using Raman spectroscopy and dielectric measurements                | Tatyana Bekker     |
| 2791 | TESTING OF CLAY-CARBONATE TYPE LITHIUM-BORATE ORE. PART I: CHEMICAL-MINERALOGICAL CHARACTERIZATION OF THE ORE                            | Ivana Jovanović    |

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| <b>2792</b> | TESTING OF LITHIUM - BORATE ORE OF CLAY - CARBONATE TYPE PART 2:<br>METHODS OF SELECTIVE SEPARATION OF Li FROM B    | Vesna Conic       |
| <b>2899</b> | Modification of photoactive PVA containing WO <sub>3</sub> thin films by Intense Pulsed Ion Beam                    | Alshyn Abduvalov  |
|             |   |                   |
| <b>607</b>  | Combustion indicators of a hydrogen-fueled TJI engine with passive and active pre-chamber under knocking conditions | Ireneusz Pielecha |
| <b>608</b>  | Particulate matter emissions from disc brakes of automotive vehicles  | Jacek Pielecha    |
| <b>610</b>  | ANALYSIS OF THE CLEAN TRANSPORT ZONE IN A SELECTED AREA OF THE CITY OF POZNAŃ                                       | Piotr Pielecha    |
| <b>625</b>  | Design of peri-disubstituted tellurolo-1,8-naphthalimides   | Monika Mutovska   |
| <b>614</b>  | Design Study on the Backup Cooling System for Pressurized Water Reactor Nuclear Power Plants                        | Yang Lu           |
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