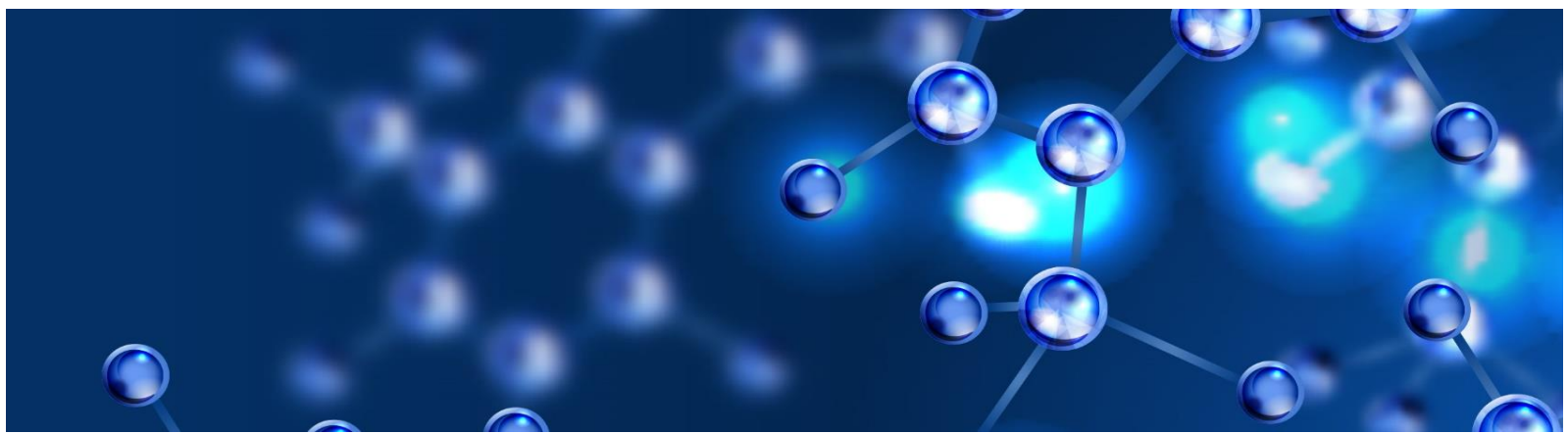


# THE PROGRAM TIMETABLE



**INTERM2022 & BIOMATSEN2022 & NANOMACH2022 & INTERPHOTONICS2022**



**INTERM 2022**  
**9<sup>th</sup> INTERNATIONAL CONGRESS ON MICROSCOPY &  
SPECTROSCOPY**

**BIOMATSEN 2022**  
**7<sup>th</sup> INTERNATIONAL CONGRESS ON BIOMATERIALS &  
BIOSENSORS**

**NANOMACH 2022**  
**3<sup>rd</sup> INTERNATIONAL CONFERENCE ON NANOMATERIALS,  
NANOFABRICATION AND NANOCHARACTERIZATION**

**INTERPHOTONICS 2022**  
**4<sup>th</sup> INTERNATIONAL CONFERENCE ON PHOTONICS  
RESEARCH**

**APRIL 22-28, 2022**

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

<b>PROGRAM</b> <b>WEDNESDAY, APRIL 20, 2022</b>	
<b>14:00-23:30</b>	<b>REGISTRATION FOR EARLY ARRIVALS</b> <b>(14:00 Check-in)</b>

<b>PROGRAM</b> <b>THURSDAY, APRIL 21, 2022</b>	
<b>9:00-23:30</b>	<b>REGISTRATION</b> <b>(14:00 Check-in)</b>
<b>Everyday Tours</b>	<b>SOCIAL PROGRAM</b> <ul style="list-style-type: none"><li>• <b>Saklıkent Jeep Safari</b></li><li>• <b>Paragliding in Oludeniz</b></li></ul>

**PROGRAM**  
**FRIDAY, APRIL 22, 2022**

**INTERM & BIOMATSEN & NANOMACH & INTERPHOTONICS**

**YUNUS EMRE 1**

<b>OPENING SESSION</b> 10:00-10:15	<p>Chairperson: <b>A.Yavuz Oral</b></p> <p style="text-align: center;"><b>OPENING CEREMONY</b> <b>A.Yavuz Oral</b></p>
<b>PLENARY SESSION</b> 10:15-11:00	<p>Chairperson: <b>A.Yavuz Oral</b></p> <p style="text-align: center;"><b>M. Alper Şahiner</b> Seton Hall University, USA</p> <p style="text-align: center;"><i>“SiGe and ZnTe nanoparticles in CdS/CdTe: photovoltaic characteristics simulations and thin film laser deposition”</i></p>
11:00-11:30	<b>COFFEE BREAK</b>
<b>PLENARY SESSION</b> 11:30-12:15	<p>Chairperson: <b>A.Yavuz Oral</b></p> <p style="text-align: center;"><b>Roland H. Stauber</b> University Medical Center of Mainz, Germany</p> <p style="text-align: center;"><i>“Targeting Cancer Chemotherapy Resistance by Precision Medicine Driven Nanomedicals”</i></p>

12:30-14:00	<b>LUNCH</b>	
<b>PARALLEL SESSIONS 14:00-16:00</b>	<p><b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b></p> <p><b>YUNUS EMRE 1</b></p> <p>Chairperson: <b>Krzysztof Szymański</b></p> <p>14:00-14:30 <b>Krzysztof Szymański</b> University of Białystok, Poland <i>(Invited speaker)</i> <b>INTERM ID590</b>- Six decades of Mössbauer spectroscopy</p> <p>14:30-15:00 <b>Tetiana Prikhna</b> V. Bakul Institute for Superhard Materials of The National Academy of Sciences of Ukraine, Ukraine <i>(Invited Speaker)</i> <b>INTERM ID593</b>- Possibilities and Features of Auger Spectroscopy Studies of Nanostructures and Nanoinclusions In Composite Ceramic Bulk Materials, Coatings And Thin Films</p> <p>15:00-15:30 <b>Mohammad A. Qasaimeh</b> NYU Abu Dhabi, United Arab Emirates <i>(Invited Speaker)</i> <b>INTERM ID619</b>- Atomic Force Microscopy for Biomechanical Characterization of Cells and Membranes</p> <p>15:30-16:00 <b>Rhiannon Heard</b> Natural History Museum, London, UK <i>(Invited Speaker)</i> <b>INTERM ID622</b>-SEM/EDS That Is Out of This World! Enhancing Low Voltage Quantification for Extra Terrestrial Samples</p>	<p><b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b></p> <p><b>ARISTO</b></p> <p>Chairperson: <b>Narjiss Akerzoul</b></p> <p>14:00-14:30 <b>Narjiss Akerzoul</b> International University of Rabat, Morocco <i>(Invited speaker)</i> <b>INTERPHOTONICS ID601</b>- Recurrent Aphthous Stomatitis Treated with Low Level Laser Therapy</p> <p>14:30-14:50 <b>Narjiss Akerzoul</b> International University of Rabat, Morocco <b>INTERPHOTONICS ID602</b>- Oral Papilloma Treated with Low Level Laser Therapy</p> <p>14:50-15:10 <b>Junais Habeeb Mookath</b> Kuwait College of Science and Technology, Kuwait <i>(Invited speaker)</i> <b>INTERPHOTONICS ID599</b>- Electric Field Enhancements in Ultrathin Plasmonic Gaps</p> <p>15:10-15:40 <b>Christian Andreasen</b> University of Copenhagen, Denmark <i>(Invited speaker)</i> <b>INTERPHOTONICS ID622</b>- Weed control with laser beams: An eco-friendly alternative to herbicides and mechanical weed control</p>

**PROGRAM**  
**SATURDAY, APRIL 23, 2022**

**INTERM & BIOMATSEN & NANOMACH & INTERPHOTONICS**

**YUNUS EMRE 1**

<b>PARALLEL SESSIONS 10:30-12:30</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b> <b>YUNUS EMRE 1</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b> <b>ARISTO</b>
	<p>Chairperson: <b>Marek Godlewski</b></p> <p>10:30-11:00 <b>Marek Godlewski</b> Institute of Physics, Polish Academy of Sciences, Poland <i>(Invited speaker)</i> <b>BIOMATSEN ID405</b>-Thin films of oxides grown by Atomic Layer Deposition for medical application</p> <p>11:00-11:30 <b>John Hardy</b> Lancaster University, UK <i>(Invited speaker)</i> <b>BIOMATSEN ID405</b>- Stimuli-responsive biomaterials for drug delivery, tissue engineering and regenerative medicine</p> <p>11:30-12:00 <b>Agata Krywko-Cendrowska</b> Univeristy of Basel, Switzerland <i>(Invited speaker)</i> <b>BIOMATSEN ID440</b>- Biosensors based on amphiphilic triblock copolymers self-assembled via morphology-induced immobilization of biomolecules</p>	<p>Chairperson: <b>Oleg Boyarkine</b></p> <p>10:30-11:00 <b>Oleg Boyarkine</b> EPFL, Switzerland <i>Invited Speaker)</i> <b>INTERM ID614</b>- Cold ion fragmentation spectroscopy-mass spectrometry for identification of isomeric carbohydrates and lipids</p> <p>11:00-11:30 <b>Bulent Basol</b> Active Layer Parametrics (ALP), USA <i>(Invited speaker)</i> <b>INTERM ID579</b>- Electrical Characterization of Semiconductor Films Through Depth Profiles Obtained by Differential Hall Effect Metrology (DHEM)</p> <p>11:30-12:00 <b>Mustafa Kansız</b> Photothermal Spectroscopy Corp, USA <i>(Invited speaker)</i> <b>INTERM ID616</b>- Tri-modal (IR/Raman/Fluorescence) Optical-Photothermal Infrared (O-PTIR) Spectroscopy &amp; Imaging – Advances in Spatial Resolution &amp; Measurements in Water</p>
	<b>12:30-13:30 LUNCH</b>	
<b>13:30-18:00</b>	<p><b><i>SOCIAL PROGRAM</i></b></p> <p><b><i>13:15-18:00 THE BOAT CRUISE AROUND EXCELLENT BAYS OF BLUE LAGOON &amp; VISIT TO St. NICHOLAS ISLAND</i></b></p> <p><i>(Gathering at Congress registration desk)</i></p>	

<b>PROGRAM</b> <b>SUNDAY, APRIL 24, 2022</b>	
<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	
<b>YUNUS EMRE 1</b>	
<b>PARALLEL SESSION</b> 10:00-10:30	<p>Chairperson: <b>A.Yavuz Oral</b></p> <p style="text-align: center;"><b>Ali Kocak</b> John Jay College of Criminal Justice, USA (Invited speaker) <b>INTERM ID635</b>- Applications of Internal Reflection Spectroscopy in Forensic Analysis</p>
10:30-11:00	<b>COFFEE BREAK</b>
<b>PARALLEL SESSIONS</b> 11:00-13:10	<p style="text-align: center;"><b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b></p> <p style="text-align: center;"><b>YUNUS EMRE 1</b></p> <p>Chairperson: <b>Valeri Ligatchev</b></p> <p>11:00-11:30 <b>Gulsah Congur</b> Bilecik Şeyh Edebali University, Turkey (Invited speaker) <b>BIOMATSEN ID426</b>-Monitoring of Phenol Biosorption by Using a Disposable Electrochemical Sensor Platform</p> <p>11:30-12:00 <b>Valeri Ligatchev</b> N/A, Singapore (Invited speaker) <b>NANOMACH ID760</b>-Anharmonic Lattice Thermal Capacity and Size-Dependent Melting Temperature of Square Graphene Nano-Flakes</p> <p>12:00-12:20 <b>Emilia Visileanu</b> The National Research and Development Institute for Textiles and Leather, Romania <b>NANOMACH ID748</b>-Characteristics of plastic particles in the industrial environment</p> <p>12:20-12:40 <b>Xinying Liu</b> University of South Africa, South Africa <b>NANOMACH ID773</b>-Ethene Hydroformylation using Rh-Co Bimetallic catalyst supported by Reduced Graphene Oxide</p> <p>12:40-13:10 <b>Olivier Noel</b> IMMM, Le Mans University, France (Invited speaker) <b>INTERM IDXXX</b>-Atomic force microscopy circular mode: applications in material science and biology</p>
13:10-14:00	<b>LUNCH</b>

<b>PARALLEL SESSIONS 14:00-16:10</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	
	<b>YUNUS EMRE 1</b>	
	Chairperson: <b>Malgorzata Gil-Kowalczyk</b>	
	14:00-14:30	<b>Malgorzata Gil-Kowalczyk</b> Maria Curie-Sklodowska University, Poland <i>(Invited speaker)</i> <b>INTERPHOTONICS ID598</b> - Designing Hybrid Materials with Properties Suitable for Optical Fiber Technology
	14:30-15:00	<b>Masayuki Itoh</b> Tokyo University of Technology, Japan <i>(Invited speaker)</i> <b>INTERPHOTONICS ID612</b> -HIGH Optical Confinement Waveguides for High-Speed Wide-Bandwidth Data Transmission and Healthcare Data Transmission for Future Networks
15:00-15:20	<b>Roman Parkhomenko</b> CIC NanoGUNE, Spain <b>INTERPHOTONICS ID607</b> -Spasers in the near infrared	
15:20-15:40	<b>Andrzej Kolek</b> Rzeszów University of Technology, Poland <b>INTERPHOTONICS ID610</b> -Numerical Optimization of Gain Region in Dual Upper State Quantum Cascade Laser	
15:40-16:10	<b>SVETLANA JOVANOVIC</b> Vinca Institute of Nuclear Sciences, Serbia <i>(Invited speaker)</i> <b>INTERPHOTONICS ID608</b> - Graphene Quantum Dots - From Chemistry to Application in Photodynamic Therapy	
<b>16:10-16:30</b>	<b>COFFEE BREAK</b>	
<b>16:30-18:00</b>	<b>FOYER (Poster Session Area)</b> Chairperson: A. Yavuz Oral  <b>POSTER SESSION</b>  <b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	

<b>PROGRAM</b> <b>MONDAY, APRIL 25, 2022</b>		
<b>PARALLEL SESSIONS 10:00-12:20</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>
	<b>YUNUS EMRE 1</b>	<b>ARISTO</b>
	Chairperson: <b>Fumin Huang</b>	Chairperson: <b>Filipe Mergulhao</b>
	10:00-10:30 <b>Fumin Huang</b> Queen's University Belfast, UK <i>(Invited speaker)</i> <b>NANOMACH ID755</b> - Gold-Assisted Exfoliation of Extraordinarily Large-Size Monolayer Crystals of Two-Dimensional Materials	10:00-10:30 <b>Filipe Mergulhao</b> FEUP, Portugal <i>(Invited speaker)</i> <b>INTERM ID596</b> -Using Microscopy to Assess the Effects of Surface Properties and Culture Medium During Recombinant Protein Production in Biofilms
10:30-10:50 <b>Shivani Shisodia</b> Université du Littoral Côte d'Opale, France <b>NANOMACH ID775</b> - Study of Thermoelectric Performances in Thin-Films vs Bulk Pellets	10:30-11:00 <b>Leonid Kulik</b> Institute of Solid-State Physics Russian Academy of Sciences, Russian Federation <i>(Invited speaker)</i> <b>INTERM ID620</b> - Optical spectroscopy of neutral excitations in Laughlin liquids	
10:50-11:10 <b>Haseeb Khan</b> King Saud University, Saudi Arabia	11:00-11:30 <b>Eugene Bukhanov</b> Kirensky Institute of Physics FRC «KSC of SB RAS», Russian Federation	

	<p><b>NANOMACH ID772</b>- Complement activation and inflammatory cytokine response by iron oxide nanoparticles</p>	<p>(Invited speaker)  <b>INTERPHOTONICS ID611</b>- Influence of growth environment on structural and optical characteristics of barley</p> <p>11:30-11:50  <b>Daria Derusova</b>  Tomsk Polytechnic University, Russian Federation</p> <p><b>INTERPHOTONICS ID582</b>-Air-coupled scanning laser Doppler vibrometry imaging of acoustic waves generated by a gas discharge emitter</p> <p>11:50-12:20  <b>Olga Pechanova</b>  Slovak Academy of Sciences, Slovakia</p> <p>(Invited speaker)  <b>BIOMATSEN ID417</b>- Protective Effects of Aliskiren-loaded Polymeric Nanoparticles on Cardiovascular System in Experimental Hypertension</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>(Gathering at Congress registration desk)</p>	

PROGRAM		
TUESDAY, APRIL 26, 2022		
INTERM & BIOMATSEN & NANOMACH & INTERPHOTONICS		
YUNUS EMRE 1		
	<p><b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b></p> <p><b>YUNUS EMRE 1</b></p> <p>Chairperson: <b>Valeri Barsegov</b></p> <p>10:30-11:00  <b>Valeri Barsegov</b>  University of Massachusetts, USA  (Invited speaker)  <b>INTERM ID618</b>-Dynamic Force Spectroscopy in silico: exploring strength, deformability and toughness of biological particles</p> <p>11:00-11:30  <b>Mehmet Emin ŞEKER</b>  Giresun University, Turkey  (Invited speaker)  <b>INTERM ID598</b>- A Novel Approach to Sample Preparation Techniques for Bioactive Compounds</p> <p>11:30-12:00  <b>Simona Rada</b>  Technical University of Cluj-Napoca, Romania  (Invited speaker)  <b>INTERM ID583</b>- Structure of silica-yttria-zirconia advanced bioceramics doped with metal oxides</p>	<p><b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b></p> <p><b>ARISTO</b></p> <p>Chairperson: <b>Luminita Marin</b></p> <p>10:30-11:00  <b>Luminita Marin</b>  "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania  (Invited speaker)  <b>BIOMATSEN ID434</b>- Chitosan imination: an opportunity towards biomaterials with broad application spectrum</p> <p>11:00-11:30  <b>Tukayi Kudanga</b>  Durban University of Technology, South Africa  (Invited speaker)  <b>BIOMATSEN ID435</b>- Laccases in biocatalysis and modification of biomaterials</p> <p>11:30-12:00  <b>Juska Vušlat</b>  Tyndall National Institute, Ireland  (Invited speaker)  <b>BIOMATSEN ID433</b>-Micro/Nanoarchitectures integrated silicon microtechnologies based sensing applications</p> <p>12:00-12:20  <b>Valeri Ligatchev</b>  N/A, Singapore  (Invited speaker)  <b>NANOMACH IDXXX-Xxx</b></p>
12:30-14:00	<b>LUNCH</b>	

PARALLEL SESSIONS 14:00-16:00	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>
	<b>YUNUS EMRE 1</b>	<b>ARISTO</b>
	Chairperson: <b>Denis Kouamé</b>	Chairperson: <b>Arkady Zhukov</b>
	14:00-14:30 <b>Denis Kouamé</b> Université Toulouse III, IRT, France <i>(Invited speaker)</i> <b>INTERM ID632</b> -New advances in image processing	14:00-14:30 <b>Arkady Zhukov</b> University of Basque Country and Ikerbasque, Spain <i>(Invited speaker)</i> <b>BIOMATSEN ID413</b> -Advanced functional magnetic microwires for magnetic sensors suitable for bio-medical applications
	14:30-15:00 <b>Mario Marchetti</b> Université Gustave Eiffel - MAST - FM2D, France <i>(Invited speaker)</i> <b>INTERM ID586</b> -Implementation of Raman spectroscopy to civil engineering materials	14:30-15:00 <b>Marek Wiśniewski</b> Nicolaus Copernicus University in Toruń, Poland <i>(Invited speaker)</i> <b>NANOMACH ID780</b> - Nanomaterials as catalysts for non-thermal plasma-assisted CO2 reduction to valuable compounds
15:00-15:30 <b>Adam Sweetman</b> University of Leeds, UK <i>(Invited speaker)</i> <b>INTERM ID623</b> - Recent advances in the study of molecular and 2D systems using non-contact atomic force microscopy	15:00-15:20 <b>Merve Kubra Aktan</b> KU Leuven, Belgium <b>BIOMATSEN ID416</b> - Studies on Characteristics, Antimicrobial Behaviour and Cell Viability of DNase I Coated Titanium Surfaces via Alternating Current Electrophoretic Deposition	
15:30-16:00 <b>Reza Shahbazian-Yassar</b> University of Illinois at Chicago <i>(Invited speaker)</i> <b>INTERM ID633</b> - In-situ TEM for Battery Materials	15:20-15:50 <b>Shirley Knauer</b> University of Duisburg-Essen, Germany <i>(Invited speaker)</i> <b>NANOMACH ID786</b> -Nano and beyond: Targeting protein hot spots on the cancer-relevant protein Surviving by supramolecular ligands	



**PROGRAM**  
**WEDNESDAY, APRIL 27, 2022**

**INTERM & BIOMATSEN & NANOMACH & INTERPHOTONICS**

**YUNUS EMRE 1**

Chairperson: Mehmet Emre Aköz

10:00-10:30

**Pawel Weronki**

J. Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, Poland

*(Invited speaker)*

**INTERM ID627**-Spectral analysis of the image of random monolayer

10:30-10:50

**Cieslar Miroslav**

Charles University, Faculty of Mathematics and Physics, Czech Republic

**INTERM 568**- Precipitation in Al-Li-based alloy studied by in-situ TEM

10:50-11:10

**Lucia Bajtošová**

Charles University, Faculty of Mathematics and Physics, Czech Republic

**INTERM 569**- High-temperature transformations in Al-Li-based alloy studied by ACOM-TEM during in-situ heating

11:10-11:40

**Heinz Wilhelm Siesler**

University of Duisburg-Essen, Germany

*(Invited speaker)*

**INTERM ID591**- On-Site Quality Control and Protection against Product Counterfeiting by Handheld Vibrational Spectrometers: Anywhere and Anytime

11:40-12:10

**Tolou Shokuhfar**

University of Illinois at Chicago

*(Invited speaker)*

**INTERM ID637**- In Situ Graphene Liquid Cell Investigation of Metal Ion Modifiers on Calcium Oxalate

**PARALLEL SESSIONS 10:00-12:10**

12:30-  
13:30

**LUNCH**

13:30-  
18:00

**SOCIAL PROGRAM**

**13:15-18:00 FETHIYE CITY TOUR & THE ROCK TOMBS**

*(Gathering at Congress registration desk)*

<b>PROGRAM</b>	
<b>THURSDAY, APRIL 28, 2022</b>	
<b>INTERM &amp; BIOMATSEN &amp; NANOMACH &amp; INTERPHOTONICS</b>	
<b>YUNUS EMRE 1</b>	
<b>PARALLEL SESSIONS 10:00-11:30</b>	<p><i>Chairperson: Wolfgang Werner</i></p> <p>10:00-10:30  <b>Ana Silva</b>  I3N - University of Aveiro, Portugal  <i>(Invited speaker)</i>  <b>INTERM ID612-</b> X-ray fluorescence spectroscopy and imaging analysis using gaseous detectors</p> <p>10:30-11:00  <b>Wolfgang Werner</b>  TU Vienna, Austria  <i>(Invited speaker)</i>  <b>INTERM ID611-</b> Low energy electron emission from surfaces, 2D-Materials formation of 2-D electron cascade in the STM-field emission regime</p> <p>11:00-11:30  <b>Alexander Khmaladze</b>  SUNY at Albany, USA  <i>(Invited speaker)</i>  <b>INTERM ID621-</b> The study of cell death mechanisms by Raman and transport of intensity phase-imaging techniques</p>
<b>12:00</b>	<b><i>Hotel Check Out</i></b>

<b>PROGRAM LEGEND DESCRIPTIONS</b>	
<b>ID-</b>	<b>INTERM 2022 oral presentations</b>
<b>ID-</b>	<b>BIOMATSEN 2022 oral presentations</b>
<b>ID-</b>	<b>NANOMACH 2022 oral presentations</b>
<b>ID-</b>	<b>INTERPHOTONICS 2022 oral presentations</b>

**POSTER PROGRAM**  
**SUNDAY, OCTOBER 24, 2022**  
**16:30-18:00**

**FOYER (Poster Session Area)**

Chairperson: A. Yavuz Oral

**POSTER SESSION**

**INTERM & BIOMATSEN & NANOMACH & INTERPHOTONICS**

ID	Title	Contact Author
<b>INTERM573</b>	Time-resolved Soft X-Ray Excited Luminescence Spectroscopy of Solids State Scintillators	Tomas Parkman
<b>INTERM625</b>	Electrodeposition of Ag composites with carbon nanotubes using direct and pulse plating in choline chloride based ionic liquids with applications in Surface-enhanced Raman spectroscopy (SERS)	Sabrina Rosoiu
<b>INTERM626</b>	Stress analysis by XRD and Raman on different semiconductor substrates	Laura-Bianca Enache
<b>BIOMATSEN403</b>	Development Of Dental Bone Grafts for The Treatment of Alveolar Bone Loss By 3d Printing Technique	Oğuz Söğüt
<b>BIOMATSEN419</b>	Endothelium-targeted RAGE-shRNA nanocarriers reduce atherosclerosis-associated inflammation	Manuela Calin
<b>BIOMATSEN431</b>	Investigations on the layer-by-layer multi-shell gold nanoparticles functionalization for the development of effective non-viral gene vectors	Denisse-Iulia Bostiog
<b>BIOMATSEN432</b>	Solid phase synthesized polyhistidine-based copolymers for the assembly of pH-sensitive micelles suitable for drug delivery in cancer extracellular environment	Razvan Ghiarasim
<b>BIOMATSEN436</b>	Synthesis processes for bacterial polymers - polyhydroxyalkanoates	Maciej Guzik
<b>BIOMATSEN407</b>	Calcium phosphate-based biomaterials modified with with silicon and a GPTMS	Joanna Czechowska
<b>BIOMATSEN408</b>	Foamed calcium phosphate bone cement with the addition of citrus pectin - an attempt to improve mechanical properties	Ewelina Cichoń
<b>BIOMATSEN409</b>	Calcium phosphate biomicroconcrete-type bone fillers modified with coupling agent	Aneta Zima
<b>BIOMATSEN410</b>	Influence of tetraethoxysilane (TEOS) on the properties of calcium phosphates based biomicroconcrete-type biomaterials	Piotr Pańtak
<b>BIOMATSEN415</b>	Combined therapy of simvastatin- and coenzyme Q10-loaded nanoparticles ameliorates PI3K-Akt-eNOS pathway in metabolic syndrome model	Ezgi Dayar
<b>BIOMATSEN429</b>	Detection of Helicobacter Pylori in saliva by Surface Plasmon Resonance	Georgi Dyankov
<b>BIOMATSEN430</b>	Evaluation of model system based on bimolecular interaction of SARS CoV-2 S- and N-structural proteins and specific antibody by SPR assay	Petia Genova-Kalou
<b>BIOMATSEN421</b>	Dual-crosslinked injectable hydrogels based on chitosan	Szymon Salagierski
<b>BIOMATSEN437</b>	ZnO@Essential Oils Based Sodium Alginate scaffolds for skin tissue regeneration	Otilia Ruxandra Vasile
<b>BIOMATSEN438</b>	Zinc Oxide Nanoparticles used for Atopic Dermatitis	Bogdan Stefan Vasile
<b>NANOMACH733</b>	PEGylated Graphene Oxide And Monocyte Metabolism	Sofya Uzhviyuk
<b>NANOMACH768</b>	Synthesis, thermal stability, and porosity of dibasic calcium silicate hydrate with intercalated cobalt ions	Tadas Dambrauskas
<b>NANOMACH764</b>	Synthesis and characterization of 3D structure NiCu foams on Ti surface modified with low loadings of noble metals for direct borohydride fuel cells	Aldona Balčiūnaitė
<b>NANOMACH728</b>	Liquid-phase aerobic oxidation of pentadecane in the presence of fullerene C60, (RCOO)3Cr and (RCOO)2Ni	Aygun Aliyeva
<b>INTERPHOTONICS578</b>	Singlet Oxygen Generation in Micelles With Picea Abies Extracts	Iliia Samusev
<b>INTERPHOTONICS604</b>	The antifungal activity of complex metal oxide RbTe1.5W0.5O6 under visible light	Andrey Shishkin

<b>INTERPHOTONICS627</b>	Single Laser Irradiated Lanthanide Doped Tellurite Glasses for Volumetric 3D Display Applications	Petr Kostka
<b>INTERPHOTONICS630</b>	Energy transfer between host-glass and doped-in rare-earth ions: broad-band excitation of rare earths in glasses	Petr Kostka
<b>INTERPHOTONICS628</b>	Influence of The Size of ZnO Nanoparticles on Their Optical Properties	Busra Eren
<b>INTERPHOTONICS629</b>	Optical Properties of Graphene Oxide Using Modified Hummers Method	Seda Kol

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