

INTERM 2019

6th INTERNATIONAL CONGRESS ON MICROSCOPY & SPECTROSCOPY

BIOMATSEN 2019

4th INTERNATIONAL CONGRESS ON BIOMATERIALS & BIOSENSORS

Sentido Lykia Resort & Spa-Liberty Hotels Lykia, Oludeniz

MUGLA / TURKEY

PROGRAM TENTATIVE POSTER SESSION – I SUNDAY, MAY 12, 2019 17:30-18:30 (FOYER)		
Chairperson: Ahmet Yavuz Oral (SUBMISSION ID 1-270 for INTERM 2019) (SUBMISSION ID 1-130 for BIOMATSEN 2019)		
INTERM 2019		
Id	Title	Contact Author
211	A Method for Reconstruction of Severely Damaged Sciatic nerve using non-Autologous Wharton's Jelly Mesenchymal Stem Cells and Chitosan/Poly ethylene oxide as a Synthetic Scaffold: Expression of TNF- α	Mehrnaz Moattari
212	Electron microscopy: a useful tool in the characterization of complex novel nanostructures with new architectures	Bogdan Stefan Vasile

230	Radiation Induced Effects in Highly Stressed Nanocrystalline ZrC and ZrN Thin Films	Otilia Ruxandra Vasile
235	The research of Raman spectroscopy on the mixed NH ₄ Cl and (NH ₄) ₂ SO ₄ aqueous solutions	Junsheng Yuan
236	Digital Microscopy and its applications in medical diagnostics	Uthayakumar G S
237	Study on the Structure of Potassium Chloride Solutions and Sodium Chloride Solutions using X ray Scattering Method	Junsheng Yuan
238	Does Solar spectrograph recorded at Culligoola or Livemonth Australia solar observatory puts pre-seismic signature of critical seismic event?	Umesh Verma
247	Alignment of Fe ₃ O ₄ @GO nanofillers in a polymeric nanocomposite membrane via applied magnetic field for efficient direct methanol alkaline fuel cells	S. Rajesh Kumar
251	Polyhydroxyoctanoate (PHO) – biopolymer creating new opportunities for medicine and biomedical sciences	Tomasz Witko
254	Advanced cellular studies of novel biodegradable biopolymers – polyhydroxyalkanoates (PHAs)	Daria Solarz
255	Complex investigation of microstructure and composition of the regular nanocolumnar anodic niobia systems	Gennady Gorokh
258	Optical determination of the industrially produced mineral fertilizers conditioning process quality	Dmitriy Yunovidov
260	Application of the energy dispersive X-ray spectroscopy to the studies of Materials of cultural heritage from the collection of the State Historical Museum	Liudmila Iskhakova
261	Determination of chemical and phase composition of (Co,Mg)-substituted strontium hexaferrites single crystals by using scanning electron microscopy, energy dispersive X-ray spectroscopy and X-ray powder diffraction	Liudmila Iskhakova
268	Impact of synthetic Volatile Fatty Acid towards microstructure properties of fly ash-based geopolymer cement	Afif Izwan Abd Hamid

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57	Repair of segmental radial defect with hydroxyapatite powder and autologous bone marrow aspirate	Ahmed Yassine Kalbaza
60	Development of Biomimetic Scaffolds for Controlled Release of Bioactive Agent	Farah Alwani Azaman

62	Peptide-Induced Aggregation of Glutathione-Capped Gold Nanoclusters: A New Strategy for Designing Aggregation-Induced Enhancement Emission Probes	Jyun-Guo You
63	Natural-based nanomaterials in treatment of fungal infections	Mehdi Razzaghi-Abyaneh
67	Development of Heparin releasing pro-angiogenic tissue engineered grafts for burn and diabetic foot ulcer wounds healing	Muhammad Yar
68	Numerical analysis of the mechanical behavior of a hip prosthesis using the finite element method	Brahim Necib
72	The Hydrolytic degradation of Poly(L-lactic acid)/ Poly(methyl methacrylate) blends	Boudaoud Naila
76	IONPs@ Au/Ag Core-Shell Constructs for Magnetically-Targeted and Second Near-Infrared Region Photothermal Therapy	Li Fang Wang
81	Novel gold nanoparticle-based Nanotest for fungal detection	Furong Tian
90	The enhancement of morphogenesis using surface-immobilized hyaluronic acid -catechol	Kyungpyo Park
94	Development and Characterization of In Situ Nanogel of Insulin for Nasal Drug Delivery System	Subhendu Sekhar Mishra
107	Nanoformulation of Peppermint to Increase Acaricide Activity	Carolina Clausell-Terol
108	Hydrothermally Synthesized Cobalt Ferrite Nanocubes for Magnetic Hyperthermia Applications.	Jacob mathew
110	Biological activity of phlorotannins from arctic brown algae fucus vesiculosus	Platon Kaplitsin
116	Research and development of technologies aimed to improving a quality of hip arthroplasty	Aleksandr Poliakov
124	Bacterial Exopolisaccharides As Scaffolds of Nanomaterials	Laura Sabio
129	Polymeric materials with hydrolytic activity	Yevgeniia Shesterenko

PROGRAM TENTATIVE POSTER SESSION – II TUESDAY, MAY 14, 2019 17:30-18:30 (FOYER)		
Chairperson: Ahmet Yavuz Oral (SUBMISSION ID 271-340 for INTERM 2019) (SUBMISSION ID 131-231 for BIOMATSEN 2019)		
INTERM 2019		
Id	Title	Contact Author
271	Quantitative analysis of ROS production following drought and heat co-stress in wheat (<i>Triticum aestivum</i> L.) stigmas	Attila Fábíán
272	Stigma receptivity and fertility are reduced by heat and drought co-stress in wheat (<i>Triticum aestivum</i> L.)	Katalin Jäger
273	Water-Soluble Sulfo Derivative of N-Confused Tetraphenylporphyrin: Basicity and Chiral Self-Assembly of H- And J-Aggregates	Olga Kulikova
274	Photoactivity Inhibition of Zinc Phthalocyanine Choline Derivatives (Cholosens) When Interaction with Polysaccharide	Vladimir Sheinin
275	Microscopical evaluation of KIT receptor expression in canine cutaneous mast cell tumors (CMCTs) without c-kit mutation	Sanja Aleksić-Kovačević
278	Cellular Mechanotransduction Processes Studied with Optical Techniques	Olga Adamczyk
279	Detection of cellulose in <i>Acanthamoeba</i> cyst wall by various microscopic techniques	Martin Mrva
282	Application of polymer substrates in cell migration research	Tomasz Kolodziej
296	Surface Enhanced Raman Spectroscopy (SERS) based on ZnO nanorods for detecting nanometer sized bio-markers	Jun Ki Kim
297	Application of simple method utilizing polarized light and histopathological staining for the quantitative microidentification of lignin and cellulose in wood cell walls during advanced decaying process caused by fungi.	Vladimír Račko
298	Isomerization of n-Hexane on Pd- Catalysts on Pillared Aluminum-Zirconium Montmorillonite	Layla Djumabayeva

302	Electron microscopy: a useful tool for the characterization of novel nanostructures with new architectures	Bogdan Stefan Vasile
304	Hybrid Graphene Based Materials For Hydrogen Storage and Catalytic Application	Hafeez Ullah
314	Studying of The Magnetic Behavior of PS/MNPs Composite Films Depending on PS Latex Size	Şaziye Uğur
315	A Novel Amplitude Control Algorithm for Frequency-Modulation Atomic Force Microscope Based on Kalman Filter	Yingzi Li
319	Interface structure and planar defects in the heterostructures of pyrochlore-type $(Ca,Ti)_2(Nb,Ti)_2O_7$ films on $SrTiO_3$ substrates	Shao-Bo Mi
320	Microstructural properties of epitaxial $(Pr_{0.5}Ba_{0.5}MnO_3)_{0.8}:(CeO_2)_{0.2}$ nanocomposite thin films prepared on $(001) (La,Sr)(Al,Ta)O_3$ substrates	Shao-Bo Mi
323	Synthesis of 14 new 2-aminopyridine derivatives and their Multidrug Resistant Activity	Sherifat Aboaba
327	Study of quantitative determination of flocculent quality by mid-infrared (ATR-FTMIR) spectroscopy.	Abdelkhalek Oussama
328	Spatially Resolved Photocurrent Mapping of Nanoscale Grating	Won Seok Chang
329	Thermal stability and phase decomposition of nitrided layers on 316L and 310 austenitic stainless steels	Abdelhamid Saker
330	Spiral structures of cotton fiber	Adkham Paiziev
339	Spider venom molecules impair tumor cells migration and morphology through RhoA-ROCK pathway: potential application as anti-cancer drug	Natalia Barreto
340	Identification of Macrophages Modulators Molecules From Spider Venom: New Perspectives for The Treatment of Cancer	Jaqueline Munhoz

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131	Picogram Detection of TNP Explosive using Multiple Emitting Amphiphilic Polythiophenes-Coated CdTe QDs	Mohamed R. Elmasry
133	The changes of the structure and dynamics of alginate gels crosslinked by polyvalent ions (Ca^{2+} , Zn^{2+} , Ba^{2+} , Sr^{2+} , Mn^{2+} , Cu^{2+} , Al^{3+}) in physiological conditions	Martina Urbanova
137	Preparation of biocompatible graphene oxide coatings on metallic substrates	Maciej Trzaskowski
139	Surface plasmon resonance system for fast diagnostics of tuberculosis	Maciej Trzaskowski

145	Free-volume characteristics of polymers with different crosslink density used for construction of laccase-based amperometric biosensors	Taras Kavetskyy
151	Comparison of pullulan production performances of different <i>Aureobasidium pullulans</i> brazilian isolates using a low-cost feedstock	Victor Rafael Leal De Oliveira
166	The stud in vivo of the Behavior and Bone Neoformation of Biomaterials Added with Platelets Rich Plasma Implanted in Calvaries of Rabbits.	Aury Nunes de Moraes
167	Biodegradable Micro-surgical Fiber Tube using Sheath-core Monofilaments of Polydioxanone and Poly-L-Lactic Acid for Preventing Stenosis in Surgical Anastomosis	Jun Sik Son
176	Functional characterization of a biosurfactant produced by <i>Bacillus</i> strain	Vitor Liduino
188	Green Synthesis and Characterization of Cu Nanoparticles for Functional Coatings with Antibacterial Properties	Cristian Petcu
189	Fretting fatigue failure of modular hip prosthesis: case of patient stumbling	Ali Cherif Messellek
191	Artificial neural network for the smart SERS-based biosensing: a case of UV-induced DNA damage	Olga Guselnikova
199	Modeling of Spatio-Temporal Calcium Distribution in T Lymphocyte Cell	Parvaiz Ahmad Naik
201	The Role of Decellularized Fish Scale Derived Scaffold with Platelet Rich Plasma in Healing of Tibial Bone Defect in Rabbit: An Experimental Study	Nikta Mansouri
202	The Role of Cuttlebone and Cuttlebone Derived Hydroxyapatite with Platelet rich plasma on Tibial Bone Defect Healing in Rabbit: An Experimental Study	Kimia Mansouri
204	Enhancement of Ultrasonic Cavitation and Heat Release in Aqueous Suspensions of Mesoporous Silicon Nanoparticles	Valeriy Andreev
208	Preliminary results of studying the effectiveness of biochip-test systems for the differential diagnostics of lymphoproliferative diseases.	Nazar Seidalin
210	Microstructure and mechanical properties of Co-Cr removable partial denture fabricated using selective laser melting	Ching Ying Hsu
218	Advances in Development of Biosensing Electrochemical Platforms for Mycotoxins Detection	Mihaela Doni
224	Transplantation Effects of Fibroblast and Biodegradable Polylactide Film Association on the Morphology of Regenerating Ischemic Cutaneous Wounds	Yelena Yu Shapovalova
225	New hybrid biomaterials based on natural polymers and silver nanoparticles for wound healing	Laura Mihaela Stefan
226	New composite materials as potential dressings in wound care treatment	Alexandra Gaspar-Pintilieșcu

227	Biopolymer production by a Brazilian <i>Aureobasidium pullulans</i> strain using agroindustrial feedstocks	Victor Oliveira
230	Specific conductivity of layers of the composition biological nanomaterial	Levan Ichkitidze
231	The strain sensor based on the layers of composite biological nanomaterial	Levan Ichkitidze
91	Multilayer Hybrid Composites Based on Clay-PAA-Lignin for Biomedical Applications: Synthesis, Characterization And Hemocompatibility	Tulio Armando Lerma Henao

PROGRAM TENTATIVE POSTER SESSION – III THURSDAY, MAY 16, 2019 17:30-18:30 (FOYER)		
Chairperson: Ahmet Yavuz Oral (SUBMISSION ID 341- for INTERM 2019) (SUBMISSION ID 232- for BIOMATSEN 2019)		
INTERM 2019		
Id	Title	Contact Author
342	Production And Characterization Of Doped And Non-Doped Titanium Dioxide Coatings	Cemre Kiliç
347	Determination of Hypericin and Hyperforin Components in Yellow, Red and Blue Centaury Plants Grown In Marmara Region by Liquid Chromatography–Mass Spectrometry(LC/MS) Method and Determination of Antibacterial Activities	Melis Abahuni
348	Design and Development of a Micro-Spectroscopic Imaging System for Characterisation of Materials	Kaushik Choudhury
351	Atomically resolved probe-type scanning tunneling microscope for use in harsh vibrational cryogen-free superconducting magnet	Wenjie Meng
353	New design for inertial piezoelectric motors	Jing Zhang
364	Microstructural Evaluation Of PAE Self-Reducing Pellets, Analysis Of Phase Transformations In The Stages Of Reduction, Oxidation And Condensation Of The Waelz Process.	Leidy Julieth Hernández Buitrago
366	Influence Of Hygrothermal Aging Of A Phbv / Olive Husk Flour Composites In Acid Medium	Noura HAMOUR
373	The ATR-FTIR study of the mechanism of initial bacterial attachment and biofilm development on the Zwitterionic polymer, Modified Starch Copolymer and Polyvinyl Pyrrolidone	Kamila Jankowska
382	The use of ATR-FTIR to study the mechanism of gram-positive and gram-negative bacterial initial attachment under three types of nutrient conditions	Kamila Jankowska
391	The use of ATR-FTIR to study the mechanism of initial bacterial attachment and biofilm development on surfaces coated with different polymers	Kamila Jankowska
380	Preparation and electrochemical properties of Pt-Ni/MWCNTs for air-cathode glucose fuel cell	Zhihui Yu

381	Investigation of allotropic $\beta \rightarrow \alpha$ -Sn transition in high tin content solder alloys with different microscopy and spectroscopy techniques	Balázs Illés
393	Effect of phase composition and local crystal structure on transport properties of solid solutions ZrO ₂ -Gd ₂ O ₃	Filipp Milovich
402	Signal amplification using deuterated water-based buffers in capillary electrophoresis coupled to laser induced fluorescence detection	Josef Kucera
403	Benzo[c]phenanthridine alkaloids and their interaction to non-canonical DNA structures	Petra Jarošová
404	TEM structure study of low-temperature thermoelectric materials obtained by Spark Plasma Sintering	Nataliya Tabachkova
407	Characterization of composite anion exchange membranes with Layered Double Hydroxides by NMR spectroscopy	Maria Luisa Di Vona
410	On the Composition of Crystalline Body and Reddish Globule in the Eustigmatophyte – Vacuoliviride crystalliferum NIES-2860	Jana Pilátová
412	Confocal laser scanning microscopy for examination of the parasitic nematodes larvae of the genus Trichinella	Inese Gavarane
413	The new identification method of toxigenic airborne microbes based on hyperspectral imaging	Raimo Mikkola
414	Confocal laser scanning microscopy for visualisation of adult Trematoda stained by synthesised luminophore	Muza Kirjušina
415	Synthesis and spectroscopy of new luminescent benzanthrone dyes	Elena Kirilova
417	AFM Analysis of Multicomponent Photocatalytic System films structure	Victoria Timofeeva
257	Study on effect of Zr doping on the electrical properties of BaTiO ₃ thin film resistive switching devices	Natasa Samardzic
270	Spectroscopic characterization of yttrium orthoferrite nanoparticles prepared by mechanochemical assisted synthesis	Dalibor Sekulic

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Id	Title	Contact Author
237	Effect of doxycycline on human erythrocytes carbonic anhydrase: In vitro study	Israa Zainal
239	Numerical modeling analysis of a hip prosthesis mechanical behavior using the finite element methods	NECIB Brahim
240	Brain Computer Interface for Biometric Authentication by Recording Signal	Abd Mosslah

243	Sustained release of human parathyroid hormone from chitosan-collagen microspheres	Antonio Di Martino
244	Non-destructive characterization of metallic structures by using of Rayleigh waves	Abderrazek Bennamane
246	Biomaterials Microstructure through the Slip Casting Process	Pâmela Catherine Florentino da Silva
247	Cross-linked nanocellulose foams using mono and disaccharides	Denis Mihaela Panaitescu- Sergiu-Alexandru Stoian
253	Influence of porosity and ultrasound frequency in the attenuation of ultrasonic waves through trabecular bone	Bennamane Abderrazek
254	Phragmites australis leaves are the optimal biomaterial for the use of crystalline cellulose	Olena M. Nedukha
255	The use of polypropylene mesh coated with new metabolite closing the capsule defect of a hip joint to prevent THA dislocation	Serhii Maslennikov
256	Quantum-chemical calculations as a basis for virtual screening of anti-radical activity in a series of 3-aryl (aralkyl) xanthine derivatives	Pavel Bak
257	morphological Changes of Erythrocytes in the Deceased at Low Ambient Temperatures (-42°C)	Golderova Aytalina
261	The most important features of physiological of soybean parameters with linear regression on soybean in Kazakhstan	Yerlan Dutbayev
263	In Vitro Evaluation of the Impact of Powerful Nanosecond Electromagnetic Pulses on Tumor Cells	Vladimir Vdovin
269	Feasibility Study on Making Binderless Hybrid Fiberboard by Steam Blasting	Biqing Shu
270	Relationship of Electronic and Atomic Structure of Hydroxyapatite Nanocrystallites in Bone Tissue with Hierarchical Organization of the Skeleton	Andrey Pavlychev
272	Nanoscale Lipid models to study Membrane Proteins	Madhumalar Subramanian
273	The Variative Refraction Model As a Tool for The Ionic Strength Dependent Biointerfaces Analysis	Praskoviya Boltovets
274	Effect of non-functionalized, PEG-functionalized gold nanoparticles and electromagnetic fields in human cells	Yessika Galeano Duque
282	Morphology and biocompatibility of nano/micro-structured silicalite-1 coating	Ivana Kopova