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13:00-13:20	Title: Crystalline structural study of F-doped tin oxides thin films grown on thin
	glass plates
	Juan Manuel Mariñoso Pascual , Universidad Politécnica de Cartagena, Spain.
	Lunch: 13:20-13:50
13:50-14:10	Title: Effective finite element methods for the dynamic analysis of composite
	shell structures
	José Miguel Martínez Valle, University of Córdoba (Spain).
14:10-14:30	Title: Magnetic ferrite nanoparticles and colloidal superparticles candidates for
	theranostics
	Catherine Dendrinou-Samara, Aristotle University of Thessaloniki, Greece
14:30-14:50	Title: Characterization of nanoparticles for drug delivery using new NMR
	methods
	Staffan Schantz , Pharmaceutical Development, Sweden
14:50-15:10	Title: Electrochemical paper-based sensor integrated with molecular imprinting
	towards point-of-care diagnosis
	Gabriela Martins, Sensor Research Instituto Superior de Engenharia do Porto, porto
15:10-15:30	Title: Development of Paper-based Colour Test-Strip for Alzheimer biomarker
	detection in point-of-care
	Felismina Moreira, Polytechnic Institute of Porto, Portugal
15:30-15:50	Title: Preclinical Imaging for a Theranostic Approach using Engineered
	Nanoparticles in mice models of lymphoma.
	Adelaide Greco, Univ. degli Studi di Napoli Federico II, ITALIA
15:50-16:10	Title: Fabrication and characterization of thermal, electrical and mechanical
	properties of ethylene-octene copolymer composites with functionalized multi-
	walled carbon
	Remo Merijs Meri, Riga Technical University , Latvia.
	Coffee break: 16:10-16:30
16:30-16:50	Title: Carbon Nanogels and Nanocomposites for catalytic applications
	Francisco Jose Maldonado, University of Granada, Spain
	Nanotechnology
Nanobiotechno	
Graphene Tech	-
NANO ELECTRO	
Session Chair	Goreti Sales, Polytechnic Institute of Porto, PORTUGAL
16:50-17:10	Session Introduction
16:50-17:10	Title: Nanomaterials mimicking antibodies applied to biosensing
17:10-17:30	Goreti Sales, Polytechnic Institute of Porto, PORTUGAL  Title: Diffusion Study of Magnesium Sulfate ions for reduced Graphene oxide
17:10-17:30	based membrane
	Mohamed A Antar, King Fahd University of Petroleum and Minerals, Saudi Arabia
17:30-17:50	
17:30-17:30	Title: Development and study of graphene and WS2 based heterostructure for photocatalytic hydrogen evolution
1 <i>7</i> :50-18:10	Beissenov R.E, Institute of Combustion Problems, Kazakhstan
17:50-16:10	Title: Nanotechnology Science to Convergence Innovation
<u> </u>	Akbar S. Khan, Defense Threat Reduction Agency, USA

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18:10-18:30	Title: Thermal energy storage enhancement of solar salt by doping Al2O3
	nanoparticles
	Yanwei Hu, Harbin Institute of Technology, china
18:30-18:50	Title: Nanotextured Surfaces for Enhanced Gene Transfer
	Michael Schrlau, Rochester Institute of Technology, USA
	Dαy-2
	1 <i>7</i> -Apr-18
	KEYNOTE
09:00-09:30	Title: Theoretical Modeling in Organic Nanophotonics
	ALEXANDER BAGATURYANTS, Russian Academy of Science, Russia
Ceramic and G	
	ce-Fundamentals & Characterization
	s of Materials Science
Energymaterial	
Session Chair	KAWASAKI AKIRA , Tohoku University, JAPAN
	Session Introduction
09:30-09:50	Title: Highly strain tolerant and tough ceramic composite by incorporation of
07.00 07.00	graphene
	KAWASAKI AKIRA , Tohoku University, JAPAN
09:50-10:10	Title: Lithium Materials: The new energy paradigm of the 21th century.
07.50-10.10	Time. Elimon Materials. The new energy paradigm of the 21th centory.
	Marisa Alejandra Frechero, Universidad Nacional del Sur, Argentina
10:10-10:30	Title: PREDICTION OF THE PROPERTIES OF POLYMER MATERIALS: A
10.10-10.50	MULTISCALE MODELLING APPROACH
	Patrice Malfreyt , Université Clermont Auvergne, FRANCE
10:30-10:50	Title: Transitions in the hydrogen surface state under strain
10.00	Ian Shuttleworth , Nottingham Trent University, UK
10:50-11:10	Title: The implementation of peptide nanotubes made by non-natural amino
10.00	acids
	Manuel Amorín, Universidad de Santiago de Compostela, Spain.
	Coffee break: 11:10-11:30
11:30-11:50	Title: One-component fermion plasma on a sphere at finite temperature
	Riccardo Fantoni , University of Trieste, Italy
11:50-12:10	Title: Introducing sustainable practices in organic electronics
	Assunta Marrocchi , Università degli Studi di Perugia , Italy
12:10-12:30	Title: Stretchable Ionics – A promising candidate for oncoming wearable
	devices
	Jeong-Yun Sun , Seoul National University , Republic of Korea
	January Commence of the Commen
12:30-12:50	Title: Operando characterization of batteries using X-ray absorption and X-ray
	diffraction
	Marco Giorgetti , University of Bologna, ITALY
Nanotechnolog	y for Energy and the Environment
_	es and Multifunctional Materials
Microtechnolog	
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ession Chair	Maher Amer, Wright State University, Dayton, OH
	Session Introduction
12:50-13:10	Title: Gigantic Challenges, Nano-Solutions
	Maher Amer, Wright State University, Dayton, OH
	Lunch: 13:10-13:40
13:40-14:00	Title: The role of dopants in ZnO Nanorods for Energy and Environment
	Mariuca Gartner , Institute of Physical Chemistry "Ilie Murgulescu", Bucharest
14:00-14:20	Title: Graphene Oxide and carbon nitride Nanocomposites in wastewater treatment
	Halema Alakndari , College of Health Sciences, Kuwait
14:20-14:40	Title: New oxidic films for photovoltaic cells
	Hermine Stroescu , Institute of Physical Chemistry "Ilie Murgulescu", Bucharest
14:40-15:00	Title: Synthesis of well dispersed gold nanoparticles on reduced graphene
	oxide and its application in PEM Fuel Cells
	Marinoiu Adriana, Institute for Cryogenics and Isotopic Technologies, Romania
15:00-15:20	Title: Development of 3D porous photoanode material based on Co3O4 and TiO2
	nanopowders composition
	Almaz Mereke , Institute of Physics and Technology, Kazakhstan
15:20-15:40	Title: Development of high-efficiency porous Ni anode material for thin film
	solid oxide fuel cells
	Arman, Institute of Physics and Technology, Kazakhstan
15:40-16:00	Title: Simple one-pot synthesis of SiOx@C composite with simultaneous
	fabrication of the multiple carbon matrix for high-performance Li-ion batterie
	Hyeon-Woo Yang, Sejong University, Republic of Korea
	Coffee break: 16:00-16:20
16:20-16:40	Title: A novel method for copper nanowire fabrication by electrochemical deposition
	Wen-Ta Tsai , National Cheng Kung University,Taiwan
16:40-17:00	Title: Using plant genome to determine the genotoxicity of nanoparticles at the DNA level
	Noha Khalifa , Illinois State University , USA
17:00-17:20	Title: Electrochemical Template Synthesis of Ni-Co Nanowires with Tunable
	Properties
	Ruxandra Vidu, University of California Davis, Davis
17:20-17:40	Title: Ni-Co and Ni-Zn Hydroxide based bi-Phase Nanocomposites with Different Kind of Porosity Depending to the Free-Template Hydrothermal Method
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Day-3			
	18-Apr-18		
Biomaterials an	d Polymer Chemistry		
Other			
Materials Proce	Materials Processing and Product Manufacturing		
Materials Science	ce and Engineering		
Nano photonics and optics			
Electronic, Option	cal, and Magnetic Materials		
Session Chair	Ze Zhang, Université Laval, CANADA		
	Session Introduction		
09:00-09:20	Title: Flexible Polypyrrole Membrane		
	Ze Zhang, Université Laval, CANADA		
09:20-09:40	Title: Charge transport and structure in semi-metallic polymers		
	sam rudd, University of South Australia, Australia		
09:40-10:00	Title: Self-assembly of ultra-short ab-peptides into ordered structures for		
	intracellular delivery		
	Sara Pellegrino, University of Milano, ITALY		
10:00-10:20	Title: Automated Technologies in Composite Shipbuilding. Application Features		
	Olga Fedorova, Shipbuilding & Shiprepair Technology Center, Russia.		
10:20-10:40	Title: Thermoelectric properties of the surface Dirac states of 3D topological		
	insulators.		
	Stephane Yu Matsushita, Tohoku University, Sendai, Japan.		
10:40-11:00	Title: Making a Carbonaceous Sponge-like Sorbent from Fly Ash.		
	Attieh Alghamdi , University of Jeddah, Saudi Arabia		
11:20-11:40	Coffee break: 11:00-11:20  Title: Electrodeposition of functional Fe-W alloys for environmentally		
11:20-11:40	sustainable applications		
	Aliona Nicolenco, Vilnius University, Lithuania		
11:40-12:00	Title: Rapid Optically Directed Assembly of Nano-Patterned Metasurfaces with		
11.40-12.00	colloidal Nanoparticles		
	Xiaoping Huang, University of Electronic Science and Technology of China, CHINA		
	Alabamy flound, of the control of th		
12:00-12:20	Title: pH-Responsive Selenium Nanoparticles Stabilized by Folate-Chitosan		
12.00	Delivering Doxorubicin for Overcoming Drug-Resistant Cancer Cells		
	Urarika Luesakul, Chulalongkorn University, Thailand		
12:20-12:40	Title: New highly stable and photoactive coatings for the treatment of indoor		
	air pollutants		
	Carlos Martinez, Analysis and Photocatalytic Treatment of Pollutants in Air Unit,		
	Spain		
12:40-13:00	Title: NMR experimental evidence on the stratified nature of water in carbon		
	nanotubes		
	Jamal M Hassan, Khalifa University of Science and Technology, UAE		
	Lunch break: 13:00-13:30		

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13:30-13:50	Title: Effect of graphene nanoplatelets and multi-walled carbon nanotubes on
	tensile properties of rigid polyurethane
	Amir Navidfar, Istanbul Technical University, Turkey
13:50-14:10	Title: Characterization and application of nanotube activated carbon for the
	removal of Pb2+ from aqueous solutions
	Jasim Mohammed Salman, Al Nisour University College, Baghdad-Iraq
14:10-14:30	Title: Commercial photocatalytic products to reduce urban air pollution:
	Assessment and monitoring of their properties over time
	Carlos Martinez, Analysis and Photocatalytic Treatment of Pollutants in Air Unit,
14 00 14 50	Spain
14:30-14:50	Title: A top-down approach toproduce protein-functionalized cellulose fibrils
	Franck Quero, Universidad de Chile, Chile
	Posters: 14:50-15:50
	Title: Thermo conductive carbon nanotube-framed membranes for skin heat
1	signal-responsive transdermal drug delivery
	JI HYE KANG, Dankook University, Korea
	Title: Characterization of thermal, electrical and mechanical properties of
	polyethylene terephthalate composites with multi-walled carbon nanotubes for
2	thermoelectric materials
	Janis Zicans, Riga Technical University , Latvia
	Title: Monodisperse Uni- and Multi-Vesicles as Surface Properties of
3	Microfluidic chip
l	hosup jung, Seoul National University, south korea
	Title: Bioengineered skin: Preclinical models for dermatological testing.
4	
	Roxane Pouliot , Université Laval, CANADA
_	Title: Reusable Moth-Eye nano-patterned PDMS sticker with a versatile function
5	of coating for photovoltaics.
	Yong H. Ghymn, Bio-Nano Research Center, Republic of Korea
6	Title: Synthesis and characterization of hollow Fe3O4 nanoparticles
	Lei Shi, Harbin Institute of Technology, China
	Title: Properties of nano-scale membranes for EUV pellicle applications
7	
	Jinho Ahn, Hanyang University, Korea.
	Title: Influence of the support used on the morphology of the template
	synthesized intermetallic (Co-Sn, Ni-Sn, Co-Ni) nanopareticles
8	
	Ivania Markova, University of Chemical Technology and Metallurgy-Sofia,
	Bulgaria
	Title: Comparative study of Superhydrophilic and Superhydrophobic
	TiO2/Epoxy Coatings on AISI 316L Stainless Steel: Surface Properties,
9	Corrosion Resistance and Biocompatibility
	Aleksandra Kocijan, Institute of Metals and Technology, Slovenia
	Title: Comparison of enzymatic and non-enzymatic electrochemical biosensors
10	based on graphene quantum dots and nanoparticles of polypyrrole and gold
	Joanna Breczko, University of Bialystok, Poland

11	Title: Nickel titanate decorated reduced graphene oxide for electrochemical
	sensing of glucose in human body fluids
	Elzbieta Regulska, University of Bialystok, Poland
12	Title: Wettability and friction control of stainless steel surface by combining
	nanosecond-laser texturing and adsorption of superhydrophobic nanosilica
	particles
	Marjetka Conradi, Institute of metals and technology, Slovenia
13	Title: Two-dimensional-layered metal dichalcogenides MX2 for semiconductors
	Francisco Torrens Zaragoza , Universitat de València, SPAIN
14	Title: Shape Controllable Synthesis of Pt–Fe3O4–MnOx Nanoparticles and
	Electrocatalytic Activity on Oxygen Reduction Reaction
	Yusuf Mohammad, Pusan National University, Republic of Korea
15	Title: Shuttlecock-Shaped Molecular Rectifier: Asymmetric Electron Transport
	Coupled with Controlled Molecular Motion
	Taekhee Ryu, Supercomputing and Big Data Center, DGIST,Korea
	Title: Core-shell structure and closest packing of electrically conductive
16	polymer/carbon nanotube hybrid: High electrical conductivity of bucky paper
	Super line View Dandarda Hairannika Kanan
	Sung-Jin, Kim, Dankook University, Korea
	Title: Wettability Control on Chitosan-Wrapped Carbon Nanotube Surface Through Simple Octanal-treatment: Selective Removing Phenol from Water.
1 <i>7</i>	Through Simple Ocianal-freatment: Selective Removing Phenor from Water.
	Han-Sem, Kim, Dankook University, Korea
	Title: Preparation of electrically conductive bucky-sponge using CNT cement
18	Conductivity control using room temprature ionicliquids.
	Sang-yu , Park, Dankook University, Korea
	Title: Synthesis and characterization of gold nanoparticles supported on two
	different metal oxides prepared by impregnation with ionic exchange to form
19	ferromagnetic nanostructures
	Belfennache Djamel, University of Mentouri Constantine Brothers
20	Title: Structure characterization of the DNA aptamer Gli-235 to human
	glioblastoma
	Roman Moriachkov, Siberian Federal University, Russia
	Title: Center for Sensorimotor Neural Engineering
21	Scott Ransom, University of Washington Center for Sensorimotor Neural
	Engineering , United States
	Title: Synthesis and manipulation of noble metal nanoparticles inside the glass
22	matrices
	Mihaela Koleva, Bulgarian Academy of Sciences, Bulgaria
	Title: Graphene Based SnO2 with CNT Core Electrodes for Li-ion Batteries
23	
	Mirac Alaf, Bilecik Seyh Edebali University, Bilecik, TURKEY
24	Title: Biological activity of cationic derivatives: arginine and lysine
	Anderson Ramos , University of Barcerlona, Spain.
25	Title: The mechanisms research of pine needle oil-induced DNA damage
	pathway in HepG2 human hepatic cancer cell line.
	Bing Qiu , Heilongjiang Provincial Hospital, China

	Title: The Properties and Potential Application of Highly Color Carbon Black
26	
	Sooyoul Park , Interface Chemical materials and Process Center, Korea
	Title: Studies on preparation of nano-tetranitroacetimidic acid: green oxidizer
27	for rocket propellantsdamage pathway in HepG2 human hepatic cancer cell
	line.
	P.M. Jadhav , High Energy Materials Research Laboratory, Pune, India
	Title: Development of process of TiO2 fine powder production using combined
28	plasma torch
	Vladimir Frolov , St. Petersburg Polytechnic University, Russian Federation
29	Title: NANOCOMPOSITE FOR FAST BACTERIAL DETECTION
29	Tamara Lobaina , Centro Nacional de Biopreparados, Cuba
	Title: Enhancement of Initial Coulombic Efficiency of SiOx Anode Electrode
20	Fabricated with Controlled SEI Formation for Lithium Ion Battery
30	
	Nayoung Kang , Sejong University, Republic of Korea
	Title: Ni and/or Co Carbonate Hydroxide based bi-Structure Nanocomposites
31	for waste treatment application
	O. GUELLATI, Badji Mokhtar University of Annaba, ALGERIA.
	Title: Elaboration of AlSi13 Casting Alloys modified using Directional
32	Solidification Processing
	O. GUELLATI, Badji Mokhtar University of Annaba, ALGERIA.
	Title: Effect of Hydrothermal Process Parameters on Ni/Fe Heterostructure
33	Nanocomposites Morphology and Porosity
	O. GUELLATI, Badji Mokhtar University of Annaba, ALGERIA.
0.4	Title: Gas sensing properties of TiO2-SnO2 nanocomposites
34	Anna Szczygielska , AGH - University of Science and Technology, poland
	Title: The heterogeneous two-dimensional Mo(1-x)W(x)S(1-y)Sey alloys and
35	phototransistors based on them
	Sergey Lavrov , Moscow Technological University, Russian Federation
	Title: Fabrications and Characterizations of various 3D printing materials
36	KYUNG HYUN KIM, Electronics and Telecommunications Research Institute,
	SOUTH KOREA
	Closing ceremony
	Closing ceremony