




	<b>June 16, 2014</b>				
	<b>MONDAY</b>				
13:30 - 18:00	<b>REGISTRATION</b>				
	<b>June 17, 2014</b>				
	<b>TUESDAY</b>				
09:00 - 09:30	<b>Opening Ceremony</b>				
09:30 - 10:20	<b>Chad Mirkin, "Nucleic Acid-Modified Nanostructures as Programmable Atom Equivalents: Forging a New "Table of Elements""</b>				
10:20 - 11:00	<b>Christos Tokamanis, "Research and Innovation support for Nanotechnologies and Advanced materials in Horizon 2020 (H2020) framework programme"</b>				
11:00 - 11:30	<b>COFFEE BREAK</b>				
11:30 - 11:50	THM 1.1	THM 5.1	THM 14.1	THM 7.1	<b>AM</b>
11:50 - 12:10	THM 1.2	THM 5.2	THM 14.2	THM 7.2	
12:10 - 12:30	THM 1.3	THM 5.3	THM 14.3	THM 7.3	
12:30 - 12:50	THM 1.4	THM 5.4	THM 14.4	THM 7.4	
12:50 - 13:50	<b>LUNCH</b>				
13:50 - 14:40	<b>Robert Marks, "Peregrination Across Continents Developing Tools To Monitor Environmental Water And Create Rapid Medical Diagnostics" Chair: Atilla Aydinli</b>				
14:40 - 15:20	<b>Tutorial : Mehmet Ertugrul, "Artificial Pinning Centers for Superconducting Microwave Resonators"</b>				
14:40 - 15:50	<b>POSTER SESSION &amp; REFRESHMENTS</b>				
15:50 - 16:20	A. Bayrakceken	S. Durdagi	M.K. Radhakrishnan	A. Fasolino	<b>PM</b>
16:20 - 16:40	THM 1.5	THM 5.5	THM 9.1	THM 7.5	
16:40 - 17:00	THM 1.6	THM 5.6	THM 9.2	THM 7.6	
17:00 - 17:20	THM 1.7	THM 5.7	THM 9.3	THM 7.7	
17:20 - 17:40	THM 1.8	THM 5.8	THM 9.4	THM 7.8	
17:40 - 18:00				THM 7.9	
18:00 - 20:00	<b>WELCOME RECEPTION</b>				

June 18, 2014 WEDNESDAY							
09:00 - 09:50	Shuguang Zhang, "Designer Self-Assembling Peptide Materials: From a Curiosity-Driven Research to a New Medical Technology & Economy" Chair: Seyda Bucak						
09:50 - 10:20	COFFEE BREAK						
					Boron Session 	AM	
10:20 - 10:50	C. Hauser	M. Guler	K. Hougaard	J. Kjems	A. Turberfield		THM 1.43
10:50 - 11:10	THM 1.9	THM 14.5	THM 17.1	THM 4.1	THM 14.15		THM 1.44
11:10 - 11:30	THM 1.10	THM 14.6	THM 17.2	THM 4.2	THM 14.16		THM 1.45
11:30 - 11:50	THM 1.11	THM 14.7	THM 17.3	THM 4.3	THM 14.17		THM 1.46
11:50 - 12:10	THM 1.12	THM 14.8	THM 17.4	THM 4.4	THM 14.18		THM 1.47
12:10 - 12:30	THM 1.13	THM 14.9	THM 17.5	THM 4.5	THM 14.19		
12:30 - 13:30	LUNCH						
13:30 - 14:20	Annabella Selloni, "Photocatalysis On Metal Oxides: Insights From Quantum Simulations, Chair: Oguz Gulseren"						
14:20 - 15:00	Tutorial : Emir Baki Denkbas, "Tubular Nanostructures or Nanotubes in Biomedical Applications"						
14:20 - 15:20	POSTER SESSION & REFRESHMENTS						
			NanoSafety 			PM	
15:30 - 16:00	N. Pinna	N. Lavrik	H. Jonhston	M. Edirisinghe	H.M. Zareie		U. Sleytr
16:00 - 16:20	THM 1.14	THM 14.10	THM 17.6	THM 4.6	THM 1.34		THM 1.39
16:20 - 16:40	THM 1.15	THM 14.11	THM 17.7	THM 4.7	THM 1.35		THM 1.40
16:40 - 17:00	THM 1.16	THM 14.12	THM 17.8	THM 4.8	THM 1.36		THM 1.41
17:00 - 17:20	THM 1.17	THM 14.13	THM 17.9	THM 4.9	THM 1.37		THM 1.42
17:20 - 17:40	THM 1.18	THM 14.14		THM 4.10	THM 1.38		

June 19, 2014								
THURSDAY								
09:00 - 09:50	Klaus Kern, "Imaging Molecular Functionality", Chair: Andrew Harvey							
09:50 - 10:20	COFFEE BREAK							
10:20 - 10:50	S. Yerci	B. Lindman	E. Ozdemir	E. Alaca	C. Tamerler		AM	
10:50 - 11:10	THM 1.19	THM 9.5	THM 2.1	THM 6.1	THM 16.1			
11:10 - 11:30	THM 1.20	THM 9.6	THM 2.2	THM 6.2	THM 16.2			
11:30 - 11:50	THM 1.21	THM 9.7	THM 2.3	THM 6.3	THM 16.3			
11:50 - 12:10	THM 1.22	THM 9.8	THM 2.4	THM 6.4	THM 16.4			
12:10 - 12:30	THM 1.23	THM 9.9	THM 2.5		THM 16.5			
12:30 - 19:00	FREE TIME							PM
19:00 - 24:00	BOSPHORUS DINNER CRUISE							

June 20, 2014 FRIDAY					
09:00 - 09:50	Utkan Demirci, "Micro- And Nano-Scale Technologies for Applications in Medicine at the POC" Chair: Ali Ozhan Aytekin				
09:50 - 10:20	COFFEE BREAK				
				BNNT Workshop 	AM
10:20 - 10:50	O. Gulseren	E. Mete	U. Akbey	G. Ciofani	
10:50 - 11:10	THM 1.24	THM 9.10	THM 13.1	THM 4.11	
11:10 - 11:30	THM 1.25	THM 9.11	THM 13.2	THM 4.12	
11:30 - 11:50	THM 1.26	THM 9.12	THM 13.3	THM 4.13	
11:50 - 12:10	THM 1.27	THM 9.13	THM 13.4	THM 4.14	
12:10 - 12:30	THM 1.28	THM 9.14	THM 13.5	THM 4.14	
12:30 - 13:30	LUNCH				
13:30 - 14:20	Weihong Tan, "Biomarker discovery for nanomedicine" Chair: Huseyin Cimen				
14:20 - 15:20	POSTER SESSION & REFRESHMENTS				
15:30 - 16:00	M. Valakh	D. Ariksoysal	M. Duman	THM 4.15	PM
16:00 - 16:20	THM 1.29	Amitav Sanyal	THM 15.1	THM 4.16	
16:20 - 16:40	THM 1.30	THM 14.20	THM 15.2	THM 4.17	
16:40 - 17:00	THM 1.31	THM 14.21	THM 15.3	THM 4.18	
17:00 - 17:20	THM 1.32	THM 14.22	THM 15.4		
17:20 - 17:40	THM 1.33	THM 14.23			

June 21, 2014					
SATURDAY					
09:00 - 09:50	Ratnesh Lal, "Atomic force microscopy for Nanomedicine" Chair : Bahattin Koc				
09:50 - 10:20	COFFEE BREAK				
10:20 - 10:50	R. Farkhrullin	B. Koc	F. Ay	O. Goktepe	AM
10:50 - 11:10	THM 15.5	THM 16.6	THM 16.11	THM 2.6	
11:10 - 11:30	THM 15.6	THM 16.7	THM 16.12	THM 2.7	
11:30 - 11:50	THM 15.7	THM 16.8	THM 16.13	THM 2.8	
11:50 - 12:10	THM 15.8	THM 16.9	THM 16.14	THM 2.9	
12:10 - 12:30		THM 16.10		THM 2.10	
13:30	CLOSING CEREMONY				

Theme		Theme	
THEME 1	Nanomaterials and Nanoparticles	THEME 9	Nanooptics
THEME 2	Nanotubes and Nanorods	THEME 13	Nanofluids
THEME 4	Nanomedicine	THEME 14	Nanosensors
THEME 5	Nanoelectronics	THEME 15	Nanocomposites
THEME 6	Nanomagnetic Materials	THEME 16	Nanoapplications
THEME 7	Graphene	THEME 17	Education and Social Impact

## COMPANY PRESENTATIONS

Time		June 17, 2014 Tuesday	Room
14:40-15:20	Pierre Graves, ""Characterization of Carbon Nanomaterials by Raman Microscopy, Renishaw		B306
14:40-15:20	Dimitri Aubert, "TRPS: Advanced Nanoparticles Characterization, Izon		B307
Time		June 18, 2014 Wednesday	Room
14:20-14:50	Heinrich Santner, "An optimized laboratory SAXS/WAXS system for the investigation of nanostructured materials, Antonpaar		B306
14:50-15:20	Gizem Akay, "Characterization of nanomaterials via rheological measurements, Antonpaar		B306
14:20-14:50	Nezih Unal, "Electron Beam Litography Simulation and Correction Technologies for Nanofabrication, GeniSys		B307
14:50-15:20	Carl Hatton, "MBE and latest advances and R&D system design, Veeco		B307
14:20-14:50	Rob Claassen, "Quantitative In-Situ Nanomechanical Testings Inside TEM and SEM", Hysitron, Inc		B309
Time		June 20 2014 Friday	Room
14:20-14:50	Iklay Erden, Araştırma Destek Programları Başkanlığı (ARDEB) Ulusal Akademik Ar-Ge Projeleri Destekleri, TÜBİTAK		B306

June 17, 2014 TUESDAY

#	Time	Presenter		
			<b>THEME 1 Chair: Ramazan Ozturk</b>	<b>Room: 311</b>
1.1	11:30 - 11:50	İ. Eruçar Fındıkcı	BioMOFs for Energy Applications: From an Atomic Point of View	
1.2	11:50 - 12:10	A. Özcan	Analyzing Force Field Effects on Gas Separation Performances of ZIFs	
1.3	12:10 - 12:30	K. Al-hatab	Influence of Pre-Heat Treatments on the Cyclic Oxidation Behavior of IN 617 Superalloy	
1.4	12:30 - 12:50	I. Karaduman	The Temperature Dependent Transport Mechanisms of Nanoporous Clinoptilolite	
			<b>THEME 5 Chair: Mehmet Ertugrul</b>	<b>Room: 310</b>
5.1	11:30 - 11:50	G. Durkaya	Nanoadhesion characterization for future semiconductor manufacturing technologies	
5.2	11:50 - 12:10	U. Saraç	Effect of Microstructure and Surface morphology on Magnetic Properties of Electrodeposited Ni-Co Thin Films with Different Compositions	
5.3	12:10 - 12:30	E. Demirci	Temperature-dependent Exchange Bias Properties of Pt/Co/Pt/Cr <sub>2</sub> O <sub>3</sub> Thin Film	
5.4	12:30 - 12:50	Ç. Kılıç	Dispersion-Corrected Density-Functional Calculations for Metal Tellurohalides	

## June 17, 2014 TUESDAY

#	Time	Presenter		
			<b>THEME 14 Chair: Hande Sipahi</b>	<b>Room: B309</b>
14.1	11:30 - 11:50	A. Budkowski	Surface characterization of multi-step methods using biotin-streptavidin system to form DNA arrays	
14.2	11:50 - 12:10	Ö. Aydın	Development of pH- Sensitive Micelles for Drug Delivery to Advanced Prostate Cancer	
14.3	12:10 - 12:30	N. Yönet-Tanyeri	Spatiotemporally Controlled Molecular Release from Micropatterned Hydrogel	
14.4	12:30 - 12:50	S. Mert	Surface-Enhanced Raman Scattering Based Detection of Cancerous Renal Cells	
			<b>THEME 7 Chair: Cem Altan</b>	<b>Room: B308</b>
7.1	11:30 - 11:50	Z. Gohari	Characterization of Graphene oxide with various degrees of oxidation synthesized by Hummers approach	
7.2	11:50 - 12:10	H. Yolcu	Preparation of Superhydrophobic Graphene Oxide Surfaces	
7.3	12:10 - 12:30	E. Zor	Reduced Graphene oxide/ $\alpha$ -cyclodextrin Hybrid for Detection of Methionine: Electrochemical, Fluorometric and Computational study	
7.4	12:30 - 12:50	D. Yıldız	Investigation of Electronic and Morphological Properties of Graphene/HOPG System and Corrugation Variation of Moiré Patterns	



June 17, 2014 TUESDAY

#	Time	Presenter		
			<b>THEME 1 Chair: Charlotte Hauser</b>	<b>Room: B311</b>
	15:50 - 16:20	Invited: <b>A. Bayrakçeken</b>	Supported Nanoparticles for Proton Exchange Membrane Fuel Cells	
1.5	16:20 - 16:40	<b>N. Yönet-Tanyeri</b>	Surface-Directed Nanoparticle Formation in Polymer Thin Films	
1.6	16:40 - 17:00	<b>M. Enhessari</b>	Synthesis, characterization and optical band gap of LiMn <sub>2</sub> O <sub>4</sub> nanoparticles	
1.7	17:00 - 17:20	<b>M. O. Erdal</b>	Thermoelectric properties of sintered and unsintered NaCo <sub>2</sub> O <sub>4</sub> nanocrystal: A comparison.	
1.8	17:20 - 17:40	<b>R. Tekin</b>	Encapsulation of Fragrance Molecules within Nanoporous Zeolite X	
			<b>THEME 5 Chair: Mustafa Guler</b>	<b>Room: B310</b>
	15:50 - 16:20	Invited: <b>S. Durdağı</b>	Multi-scale Modeling, Molecular Simulations and Nanoscale Analysis to Design Novel K-RAS-PDE $\delta$ Interaction Inhibitors as Anti-Cancer Drugs	
5.5	16:20 - 16:40	<b>S. Akbulut</b>	Effect of Growth Parameters on the Perpendicular Magnetic Anisotropy of Co/Ni Multilayer Films	
5.6	16:40 - 17:00	<b>H. Çavuşoğlu</b>	Investigation of the Line Broadening Mechanisms on the Emission Spectrum of the Gold Nano-Spheres in Fetal Bovine Serum and Ultrapure Water	
5.7	17:00 - 17:20	<b>A. Naderi</b>	Numerical Simulation Study of Cut Off Frequency in Different Structures of Carbon Nanotube Field Effect Transistors	
5.8	17:20 - 17:40	<b>H. Darwish</b>	Effect of Nanoparticle doping on CO sensing of ferrocene conjugated polypyrrole conducting polymers	

## June 17, 2014 TUESDAY

#	Time	Presenter		
			<b>THEME 9 Chair: Omer Faruk Bayrak</b>	<b>Room: B309</b>
	15:50 - 16:20	<b>Invited: M.K. Radhakrishnan</b>	Interface Physics in Silicon Nanodevices – Analysis and Challenges	
9.1	16:20 - 16:40	<b>M. Demirtaş</b>	Optimization of ALD grown Al <sub>2</sub> O <sub>3</sub> Host Material for Use in Integrated Optical Circuits	
9.2	16:40 - 17:00	<b>M. Yılmaz</b>	A new Electro-Optical Material : Ge Nanostructures Embedded in SiO <sub>2</sub> Matrix	
9.3	17:00 - 17:20	<b>A. Bek</b>	Super-Efficient Nonlinear Conversion of Light by Plasmonic-Quantum Hybrid Systems via Fano Resonance	
9.4	17:20 - 17:40	<b>K. Çiçek</b>	Back Reflection Effect on Purity of Modes from the Integrated Vortex Beam Emitter	
			<b>THEME 7 Chair: Hadi Zareie</b>	<b>Room: B308</b>
	15:50 - 16:20	<b>Invited: A. Fasolino</b>	Structural properties of graphene from atomistic simulations	
7.5	16:20 - 16:40	<b>P. Graves</b>	Characterization of carbon nanomaterials by Raman Microscopy	
7.6	16:40 - 17:00	<b>R. Zan</b>	Electron Microscopy of Graphene and other 2Ds	
7.7	17:00 - 17:20	<b>V. Bayram</b>	Graphene as Catalyst Support in PEM Fuel Cell	
7.8	17:20 - 17:40	<b>A. Berkdemir</b>	Layer Identification with Raman Spectroscopy of CVD Grown WS <sub>2</sub>	
7.9	17:40 - 18:00	<b>M. Shahrokh</b>	Chemical anisotropy etching in the copper-nickel nanoalloy	

June 18, 2014 WEDNESDAY

#	Time	Presenter	
			<b>THEME 1 Chair: Mohan Edirisinghe</b>
			<b>Room: B311</b>
	<b>10:20 - 10:50</b>	<b>Invited: C. Hauser</b>	Bioengineering Ultrashort Self-Assembling Peptides: A Platform for Translational Research
<b>1.9</b>	<b>10:50 - 11:10</b>	<b>F. Göde</b>	Preparation and characterization of crystalline lead sulfide thin films produced by SILAR method: Influence of pH in the cationic precursor
<b>1.10</b>	<b>11:10 - 11:30</b>	<b>M. E. Diken</b>	Biodegradable Poly(acrylic acid)(PAA)/Hydroxyapatite(nHAp)/Organo-Modified Hydroxyapatite(o-nHAp) Bionanocomposites: Preparation, Characterization, Antimicrobial activity and Biocompatibility
<b>1.1</b>	<b>11:30 - 11:50</b>	<b>M. M. Abolhasani</b>	<b>NO SHOW</b>
<b>1.1</b>	<b>11:50 - 12:10</b>	<b>A. Demir</b>	Depth and Element Analysis of Thin Films by Laser Induced Breakdown Spectroscopy (LIBS)
<b>1.1</b>	<b>12:10 - 12:30</b>	<b>A. Jafarizad</b>	Synthesis of Gold Nanoparticles by Wet Chemical Reduction Method and investigating of the reducing agent and pH effect on the particle size of nanoparticles


## June 18, 2014 WEDNESDAY

#	Time	Presenter		
			<b>THEME 14 Chair: Helinor Jonhston</b>	<b>Room: B310</b>
	10:20 - 10:50	Invited: M. Güler	Self-Assembled Peptide Nanostructures for Functional Materials	
14.5	10:50 - 11:10	S. Kiliç Özdemir	Microbubbles as Ultrasound Contrast Agents	
14.6	11:10 - 11:30	E. Yasun	Facile Isolation and Detection of Colon Cancer Biomarker Protein with Aptamer-Conjugated Silver Microspheres	
14.7	11:30 - 11:50	H. Ünal	Core-shell hybrid nanocapsules for oral delivery of Camptothecin: Formulation development, in vitro and in vivo evaluation	
14.8	11:50 - 12:10	P. Akkuş	Doxorubicin Delivery with DNA-Based Nanocarrier System	
14.9	12:10 - 12:30	H. Özdemir	Exchange of Temperature and pH with Different Solutions During Corneal Cross-Linking	
			<b>THEME 17-NanoSafety Session, Chair: Volkan Ozguz</b>	<b>Room: B309</b>
	10:20 - 10:50	Invited: K. Hougaard	Developmental toxicity of nanoparticles – reason for concern?	
17.1	10:50 - 11:10	C. Fito	Integrated Strategies to mitigate the risk of ENMs: NanoMICEX Approach	
17.2	11:10 - 11:30	M. VanTongeren	Occupational exposure to nanomaterials	
17.3	11:30 - 11:50	M. Charehsaz	Developmental toxicity of Silver Nanoparticles	
17.4	11:50 - 12:10	M. Hatipoğlu	A Safety by Design Approach to Reduce the Cytotoxicity of Silver Nanoparticles	
17.5	12:10 - 12:30	J.H. Niazi	Quantum dot decorated yeast cells as smart living cell fluorescent switches	

## June 18, 2014 WEDNESDAY

#	Time	Presenter	
<b>THEME 4 Chair: Ekrem Ozdemir</b>			<b>Room: B308</b>
	10:20 - 10:50	Invited: J. Kjems	Nanoengineering new siRNA delivery platforms
4.1	10:50 - 11:10	R. Öztürk	Sirna Delivery by Gold Nanovehicles for Gene Silencing
4.2	11:10 - 11:30	B. B. Kandemir	PEI – Starch Nanospheres for siRNA based Gene Silencing Therapy for Cancer
4.3	11:30 - 11:50	S. Yetgin	Kinetics of DNA Adsorption onto Nano Sized Hydroxyapatite
4.4	11:50 - 12:10	H. Serinçay	Biocompatible polymer based nanofiber wound dressing materials
4.5	12:10 - 12:30	Z. Benzait	NO SHOW
<b>THEME 14 Chair: Emir Baki Denkbas</b>			<b>Room: B307</b>
	10:20 - 10:50	Invited: A. Turberfield	Molecular Machinery from DNA: Synthetic Biology From The Bottom Up
14.15	10:50 - 11:10	F. Buyukserin	The Proliferation of Neurons on Nanoporous Alumina-Based Biomaterials
14.16	11:10 - 11:30	H. İlhan	Conducting Polymer Surfaces for Electrochemical Acetaminophen Detection
14.17	11:30 - 11:50	B. Nasseri	NO SHOW
14.18	11:50 - 12:10	F. Kuralay	The Use of Nanotechnology for Biomedical Applications
14.19	12:10 - 12:30	S. N. Topkaya	Mismatch and Hybridization Detection with Electrochemical DNA Biosensors in Real Samples

## June 18, 2014 WEDNESDAY

#	Time	Presenter	
<b>THEME 1-Boron Session, Chair: Bayram Yilmaz</b>			 <b>Room: B306</b>
1.43	10:20 - 10:50	B. Sayin	National Boron Research Institute (BOREN) and Its Activities
1.44	10:50 - 11:30	F. Şahin	Effect and Role of Boron Compounds in Biological Systems
1.45	11:30 - 11:50	B.S. Okan	Boron compounds as antibacterial agents and their applications
1.46	11:50 - 12:10	A. Doğan	Antibacterial and cytotoxic properties of boron containing dental composite
1.47	12:10 - 12:30	Y. Badali	Graphene and Boron Doped Polyvinylidene Fluoride Piezoelectric Materials
<b>THEME 1 Chair: Selcuk Yerci</b>			<b>Room: B311</b>
	15:30 - 16:00	Invited: N. Pinna	In situ formed carboxylates as morphology and assembly-directing agents in non-aqueous sol-gel syntheses of metal oxide nanoparticles
1.14	16:00 - 16:20	S. Z. Yıldız	Preparation and characterization of highly fluorescence TGA-CdTe quantum dot-hyamine additive composite
1.15	16:20 - 16:40	R. Alizadeh	Synthesis and physicochemical characterization of Nano-Molybdenum Carbide by Methanothermal method
1.16	16:40 - 17:00	S. İpek	Computational Engineering of Formate Dehydrogenase: From Catalytic Versatility to Coenzyme Specificity
1.17	17:00 - 17:20	C. Bağcı	Effect of Fe Addition on the Magnetic Properties of $\alpha$ -Si3N4 Ceramic Material
1.18	17:20 - 17:40	C. Avcı	Synthesis and Characterization of Mesoporous Metal Titanate Thin Films Using MASA Approach

June 18, 2014 WEDNESDAY

#	Time	Presenter		
			<b>THEME 14 Chair: Ugur Tamer</b>	<b>Room: B310</b>
	15:30 - 16:00	<b>Invited: N. Lavrik</b>	Wafer level fabrication of pillar structures with tailored wettability and nanophotonic functionality	
14.10	16:00 - 16:20	<b>E. Sezgin</b>	Optical nanoscopy to investigate cellular dynamics	
14.11	16:20 - 16:40	<b>U. Tamer</b>	The high product yield of hybrid nanoparticle and rationale biomolecule immobilization for sub-femtomolar SERS detection	
14.12	16:40 - 17:00	<b>M. Kahraman</b>	Fabrication of Flexible and Tunable Plasmonic Nanostructures for SERS	
14.13	17:00 - 17:20	<b>E. Avcı</b>	Influence of Protein Size on Surface-enhanced Raman Scattering (SERS) Spectra in Binary Protein Mixtures	
14.14	17:20 - 17:40	<b>Ş. Açıkbaş</b>	Herbicide Bio-detection by Raman Spectroscopy	
			<b>THEME 17-NanoSafety Session, Chair: Carlos Fito Lopez</b>	<b>Room: B309</b>
	15:30 - 16:00	<b>Invited: H. Jonhston</b>	Investigation of the mechanism of nanomaterial toxicity to neutrophils: informing intelligent testing strategies to assess nanomaterial safety	
17.6	16:00 - 16:20	<b>S. Keleştemur</b>	Influence of protein modification of ZnO nanoparticles on cellular toxicity	
17.7	16:20 - 16:40	<b>M. Altunbek</b>	A Safety by Design Approach for Zinc oxide and Silver Nanoparticles to Reduce Their Toxicity	
17.8	16:40 - 17:00	<b>Y. Özkan</b>	Effects of aqueous suspensions of ZnO-TiO composite on Artemia Salina: determinant of Acute toxic effects, Comparison of Accumulation Dependent to Concentration and Change of the Size	
17.9	17:00 - 17:20	<b>O. Aslan</b>	Preservice Science Teachers' Awareness of Nanoscience and Nanotechnology	

## June 18, 2014 WEDNESDAY

#	Time	Presenter		
			<b>THEME 4 Chair: Bahattin Koc</b>	<b>Room: B308</b>
	15:30 - 16:00	<b>Invited: M. Edirisinghe</b>	Novel Methods of Forming Nanostructures for Advanced Engineering and Medicine	
4.6	16:00 - 16:20	<b>N. Sarıgil</b>	Zinc and Aloe Vera Doped Biocompatible Polymer Based Antimicrobial Nanofibrous Food Packaging Materials	
4.7	16:20 - 16:40	<b>Y. Yüksel Durmaz</b>	Development of Degradable, pH-Sensitive, Star Vectors for Cytoplasmic Delivery of Nucleic Acids	
4.8	16:40 - 17:00	<b>E.Yenigül Tulunay</b>	Magnetite Nanoparticles as Drug Delivery Vehicles	
4.9	17:00 - 17:20	<b>E. Tuğay</b>	Biosynthesis of Silver Nanoparticles by Bacillus pasteurii ovit Bacterial Strain	
4.10	17:20 - 17:40	<b>Y. Bal</b>	Synthesizing Of Olive Leaf Extract Loaded Calcium Alginate Chitosan Microcapsules And Investigation Of Their Anticancer Activity On Lung Cancer Cells	



June 18, 2014 WEDNESDAY

#	Time	Presenter	
			<b>THEME 1 Chair: Hayati Celik</b>
			<b>Room: B307</b>
	<b>15:30 - 16:00</b>	<b>Invited: H. M. Zareie</b>	Plasmonic Biosensors
<b>1.34</b>	<b>16:00 - 16:20</b>	<b>M. Doğrusöz</b>	Nanostructured Cathode Material Synthesized by Sol Gel Method for Li-ion Batteries
<b>1.35</b>	<b>16:20 - 16:40</b>	<b>A. Azadbakht</b>	High sensitivity amperometric and voltammetric determination of biomolecules with gold nanoparticle gold electrode modified with penicillamine - ZnSe quantum dot
<b>1.36</b>	<b>16:40 - 17:00</b>	<b>Z. Mahmoudi</b>	A Novel Carbon Nanotube Field Effect Transistor with Double Stepwise Doping Channel
<b>1.37</b>	<b>17:00 - 17:20</b>	<b>M. Ghodrati</b>	A New Carbon Nanotube Field Effect Transistor with Stepwise Doping Lightly Doped Drain and Source Regions
<b>1.38</b>	<b>17:20 - 17:40</b>	<b>S. Sevim</b>	Development of Colloidal Quaternary Alloyed $Zn_xCd_{1-x}SySe_{1-y}$ Nanocrystals and Tuning Their Optical Properties by Particle Size and Alloy Composition

## June 18, 2014 WEDNESDAY

#	Time	Presenter		
			<b>THEME 1 Chair: Sezai Elagoz</b>	<b>Room: B306</b>
	15:30 - 16:00	<b>Invited: U. Sleytr</b>	S-Layer Proteins as Basic Building Blocks for Nanobiotechnological Application	
1.39	16:00 - 16:20	<b>S. Süzer</b>	XPS for Charge-Sensitive Analyses of Nano-Structures	
1.40	16:20 - 16:40	<b>O. Mermer</b>	Effect of various transition metals on the structural, optical and photocatalytical properties of TiO <sub>2</sub> thin films.	
1.41	16:40 - 17:00	<b>N. C. Dağyar</b>	<b>NO SHOW</b>	
1.42	17:00 - 17:20	<b>H. Peyman</b>	Fabrication of DNA-based electrochemical biosensor using chitosan-carbon nanotubes composite film for herbicide chloridazone	

#	Time	Presenter	June 19, 2014 THURSDAY
			<b>THEME 1 Chair: Salih Okur</b>
			<b>Room: B311</b>
	10:20 - 10:50	<b>Invited: S. Yerci</b>	Electrical and Light Trapping Efficiency Optimization of Thin Film (<20 um) Crystalline silicon Solar Cells
1.2	10:50 - 11:10	Z. Baz	<b>NO SHOW</b>
1.20	11:10 - 11:30	T. Üstün	Catalytic Activity of PAN/MWCNT Nanofiber
1.2	11:30 - 11:50	M. Sökmen	Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles
1.2	11:50 - 12:10	S. Khanahmadzadeh	Fabrication and Physical Properties of MnTiO <sub>3</sub> /polyaniline Nanocomposites
1.2	12:10 - 12:30	A. Farzaneh	Study of Tribological Properties of Ni-P-PCTFE Nanocomposite Coatings
			<b>THEME 9 Chair: Umit Akbey</b>
			<b>Room: B310</b>
	10:20 - 10:50	<b>Invited: B. Lindman</b>	New Aspects of Dissolving and Regenerating Cellulose: Role of Solvent
9.5	10:50 - 11:10	G. Tütüncüoğlu	III-V Nanowire-Based Heterostructures Grown with Molecular Beam Epitaxy (MBE)
9.6	11:10 - 11:30	S. Alkış	A Near Infrared Range Photodetector Based On Indium Nitride Nanocrystals Obtained Through Laser Ablation
9.7	11:30 - 11:50	A. Kolkıran	Beyond the Diffraction Limit Using the Near-field of Quantum Emitters
9.8	11:50 - 12:10	H. Çağlayan	Metamaterial Inspired Optical Nano-Circuits
9.9	12:10 - 12:30	B. Gunduz	Surface Morphology Properties of the Liquid-Crystalline Polymer poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-bithiophene] (F8T2) Film and the Optical Properties of the Solutions of the F8T2 Polymer for Different Solvents

June 19, 2014 THURSDAY

#	Time	Presenter	
			<b>THEME 2 Chair: Ersen Mete</b>
			<b>Room: B309</b>
	10:20 - 10:50	Invited: E. Ozdemir	Hollow Nano CaCO <sub>3</sub> Synthesis
2.1	10:50 - 11:10	E. Bal	Hydrothermal Growth of TiO <sub>2</sub> Nanorod for Gas Sensing
2.2	11:10 - 11:30	O. Şişman	Modifying Zinc Oxide Nanostructures with Cr to Enhance Gas Sensing Properties
2.3	11:30 - 11:50	N. Doğan	Waterborne Polyurethane/Halloysite Nanocomposites: Synthesis, Characterization and Applications
2.4	11:50 - 12:10	M. Aras	Combined Hybrid Functional and DFT+U Calculations for ZnO Nanowires
2.5	12:10 - 12:30	İ. Altın	Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods
			<b>THEME 6 Chair: Serdar Durdagi</b>
			<b>Room: B308</b>
	10:20 - 10:50	Invited: E. Alaca	Incorporation of Stress in Electrical Modeling of One-Dimensional Nanomechanical Resonators
6.1	10:50 - 11:10	M. Kaya	Effect of Heat Treatment on Magnetic and Magnetocaloric Properties of Nanostructured Ni(Cu,Mn)In Ribbons
6.2	11:10 - 11:30	Ü. Kurtan	Synthesis of Fe <sub>3</sub> O <sub>4</sub> @APTES@PAMAM-Ag Magnetic Nanocatalyst As Highly Active and Recyclable for Catalytic Reduction of 4-nitrophenol
6.3	11:30 - 11:50	E. G. Polat	The Examination of Surface Anisotropy in Ferromagnetic Resonance Measurement
6.4	11:50 - 12:10	M. İ. Coşkun	Synthesis and Characterization of Magnetically Captured Ferro Fluid Nanoparticles

## June 19, 2014 THURSDAY

#	Time	Presenter	THEME 16 Chair: Karin Hougaard	Room: B307
	10:20 - 10:50	<b>Invited: C. Tamerler</b>	Molecular Engineering of Bioactivity at the Bio-NanoMaterial Interfaces	
16.1	10:50 - 11:10	M. Alsaran	NO SHOW	
16.2	11:10 - 11:30	K. Şentürk	Antibacterial Surface Modification for Medical Purposes by Magnetron Sputtering and Plasma Torch Systems	
16.3	11:30 - 11:50	Y. Akgül	Fabrication of Thermoplastic Polyurethane/Propolis Composite Nanofibrous Membrane for Wound Dressing Applications	
16.4	11:50 - 12:10	Ş. Düzyer	Effect of Plasma Modification of PET Electrospun Fibers on Cell Proliferation	
16.5	12:10 - 12:30	İ. Y. Özbek	New Silicon Based Multisite Microelectrode Fabrication for Neurotransmitter Concentration Detection	

## June 20, 2014 FRIDAY

## THEME 1 Chair: Feridun Ay

Room: B311

	10:20 - 10:50	<b>Invited: O. Gulseren</b>	Plasmonics From Nanostructures For Solar Cell Applications	
1.24	10:50 - 11:10	A. Yürüm	Deposition of Porous Iron Oxide Nanoparticles on Activated Carbon by Microwave Synthesis and Removal of Arsenic (V) from Water	
1.25	11:10 - 11:30	T. Çetinkaya	NO SHOW	
1.26	11:30 - 11:50	U. Olgun	Formation, Band Gap Energy and Electrical Conductivity of ZnO Nanoparticles After Roll-Milling	
1.27	11:50 - 12:10	S. Ataol	The Synthesis, Characterization and Bioactivity Study of Nano-sized Calcium Phosphates by Flame Spray Pyrolysis	
1.28	12:10 - 12:30	M. Enhessari	Synthesis, Characterization and Optical Band Gap of NiCr2O4 Nanoparticles	

#	Time	Presenter	June 20, 2014 FRIDAY
			<b>THEME 9 Chair: Mykhailo Valakh</b>
			<b>Room: B310</b>
	10:20 - 10:50	<b>Invited: E. Mete</b>	Density Functional Investigation of Anatase TiO <sub>2</sub> Nanowires with Light Absorbing Chromophores
9.10	10:50 - 11:10	<b>A. Kızılbulut</b>	Characterization Of The MOCVD Grown Single Crystal P-Type and N-type GaInP on GaAs
9.11	11:10 - 11:30	<b>M. Kiristi</b>	All Solid State Electrochromic Devices Made by RF Plasma Doped Hybrid Tungsten Oxides
9.12	11:30 - 11:50	<b>Z. Dermircioğlu</b>	Optimization of a-Si:H Thin Film Deposited on ITO Coated Flexible Substrate
9.13	11:50 - 12:10	<b>H. Nasser</b>	Aluminum Induced Nanotexturing of Glass Superstrate for Enhanced Photo-Response of a-Si:H Thin Film
9.14	12:10 - 12:30	<b>N. Sahan</b>	Investigating Thermal Properties of Paraffin-Nano Magnetite Composite for Thermal Energy Storage Applications
			<b>THEME 13 Chair: Sevgi Kilic</b>
			<b>Room: B309</b>
	10:20 - 10:50	<b>Invited: U. Akbey</b>	Solid-State NMR Studies on Nanomaterials and Nanoparticles
13.1	10:50 - 11:10	<b>C. von Borczyskowski</b>	Diffusion of Single Ag Particles in Ultrathin Nanostructured Water Films on SiO <sub>2</sub>
13.2	11:10 - 11:30	<b>B. İlhan</b>	Thermal Conductivity of Water, Ethylene Glycol and Ethylene Glycol –Water Mixture Based hBN Nanofluids
13.3	11:30 - 11:50	<b>K. Yapıcı</b>	Rheological Characterization of Non-Newtonian Based Multiwalled Carbon Nanotubes Nanofluids
13.4	11:50 - 12:10	<b>M. Tanyeri</b>	Confinement and Manipulation of Single Nanoparticles in Free Solution using a Hydrodynamic Trap
13.5	12:10 - 12:30	<b>C. L. Altan</b>	Deterioration in Effective Thermal Conductivity of Aqueous Magnetic Nanofluids

June 20, 2014 FRIDAY				
#	Time	Presenter	THEME 4-BNNT Workshop Chair: Kaan Keçeci	Room: B308
	10:20 - 10:50	Invited: G. Ciofani	Boron Nitride Nanotubes in the Biomedical Research	
4.11	10:50 - 11:30	Ç. Bozkurt		NO SHOW
4.12	11:30 - 11:50	S. Kalay	Boron Nitride Nanotube Synthesis Methods and Their Mechanisms	
4.13	11:50 - 12:10	Z. Yılmaz	Carbohydrate modification of boron nitride nanotubes	
4.14	12:10 - 12:30	T. Akıner	Prediction of Thermal Conductivity of Multilayer Hexagonal Boron Nitride Using Equilibrium Molecular Dynamics	
THEME 1 Chair: Rawil Farkhrullin				Room: B311
	15:30 - 16:00	Invited: M. Valakh	Giant Interdiffusion in Selfinduced Semiconductor Nanoislands and Colloidal Nanoclusters: AFM, Raman and Local Auger Spectroscopy	
1.29	16:00 - 16:20	C. Bağcı	Synthesis and Characterization of LiFePO <sub>4</sub> /C Powders via Comparative Sol-Gel and Mechanochemical Activation Methods	
1.30	16:20 - 16:40	A. Gürses	The Electro Kinetic and Spectroscopic Examination of the Sorption Mechanism of an Anionic Textile Dye (RBY 3GL) onto the Powdered Activated Carbon (PAC)	
1.31	16:40 - 17:00	M. Kaya	Effect of Particle Size on Magnetic and Magnetocaloric Properties of Ni(Mn,Cu)In Nano Powders	
1.32	17:00 - 17:20	R. Khalil	The Role of Surfactants Head Groups in the Formation of Self-Assembled Supramolecular Gel	
1.33	17:20 - 17:40	H. Ulus	A Facile and Large Scale Synthesis of Tungsten Oxide Nanocubes Structure and Catalytic Activity of Rhodamine B	

**June 20, 2014 FRIDAY**

#	Time	Presenter	THEME 14 Chair: Andrew Harvey	Room: B310
	15:30 - 16:00	<b>Invited:</b> D. Ariksoysal	Nanomaterial-based DNA Analysis with Electrochemical and Optical Biosensors	
	16:00 - 16:20	<b>Invited:</b> A. Sanyal	Designing Colloidosomes via Directed Self-Assembly at the Liquid-Liquid Interface	
14.20	16:20 - 16:40	K. Kececi	Preparation and Applications of Resistive-Pulse Sensors to Detect Biomolecules	
14.21	16:40 - 17:00	N. Kilinc	Synthesis of ZnO nanorods / P3HT Hybrid on MEMS cantilever for VOC sensing	
14.22	17:00 - 17:20	N. Horzum	VOCs sensor based on metal oxide nanofibrous membrane/QCM system prepared by electrospinning	
14.23	17:20 - 17:40	H. Roushanfekr	Immobilized NAD <sup>+</sup> onto gold electrode modified with DNA and polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles functionalised nanocomposite as a novel bioelectrochemical sensing platform	
			THEME 15 Chair: Ozer Goktepe	Room: B309
	15:30 - 16:00	<b>Invited:</b> M. Duman	Core-Shell Nanoparticles as Dual Drug Delivery System	
15.1	16:00 - 16:20	Y. Ateşcan	A Multiscale Approach for Investigation of CNT Waviness Effect on PNCs	
15.2	16:20 - 16:40	H. Ulus	Flexural and Shear Properties of Superior BNNP-MWCNT/Epoxy Hybrid Nanocomposites	
15.3	16:40 - 17:00	M. I. Coskun	Effect of pH on Electrodeposition of Hydroxyapatite Layer On CoCrMo Biomaterials	
15.4	17:00 - 17:20	U. Olgun	Preparation and Antimicrobial Activity of Nano-Ag-Silica in Polycaprolactone Composites	



## June 20, 2014 FRIDAY

#	Time	Presenter		
			<b>THEME 4 Chair: Gianni Ciofani</b>	<b>Room: B308</b>
4.15	15:30 - 16:00	Y. Yürüm	Measurement of hydrogen storage capacity of boron nitride nanotubes	
4.16	16:00 - 16:20	E. Kazanç	Boron Nitride Nanotubes Enhance Properties of Chitosan-Based Scaffolds	
4.17	16:20 - 16:40	Ö. Şen	The Cellular Uptake of Boron Nitride Nanotubes	
4.18	16:40 - 17:00	M. Emanet	Cytotoxicity and Genotoxicity of Boron Nitride Nanotubes	

## June 21, 2014 SATURDAY

			<b>THEME 15 Chair: Memed Duman</b>	<b>Room: B311</b>
	10:20 - 10:50	Invited: R. Farkhrullin	Recent Advances in Cell Surface Engineering	
15.5	10:50 - 11:10	Ü. E. Yarar	Mechanical and Thermal Properties of Magnetic Nanocomposites	
15.6	11:10 - 11:30	M. Seyhan	Enhanced Thermomechanical Properties and Photothermal Heating of Au/PEO and Ag/PEO Nanocomposites	
15.7	11:30 - 11:50	M. E. Diken		<b>NO SHOW</b>
15.8	11:50 - 12:10	Y. Yusufoglu	Development and Characterization of Nano Porous Materials for Vacuum Insulation Panels (VIPs)	

June 21, 2014 SATURDAY

#	Time	Presenter	THEME 16 Chair : Dilsad Ariksoysal	Room: B310
	10:20 - 10:50	Invited: B. Koc	Multifunctional Tissue Scaffolds and 3D Bioprinting	
16.6	10:50 - 11:10	Ö. Sünetçi	Corrosion Protection Reliability of Electronic Boards Using Nanoparticle Containing Coatings	
16.7	11:10 - 11:30	Ç. Yılmaz	Investigation of Mechanical Behavior of Particulate Reinforced Titanium Matrix Composite	
16.8	11:30 - 11:50	E. Pampal	Investigation of Mechanical Properties of Single Wall Containing PAN Composite Nanofiber	
16.9	11:50 - 12:10	K. B. Sezginel	Prediction of Methane Storage Performance of Metal Organic Frameworks	

#	Time	Presenter	THEME 16 Chair : Ozhan Aytekin	Room: B309
	10:20 - 10:50	Invited: F. Ay	Rare-Earth-Ion Doped Active Materials and Devices for Photonics	
16.11	10:50 - 11:10	M. Karaman	Poly-Si Thin Films Formed On Glass Substrate Coated By Different Buffer Layer Content	
16.12	11:10 - 11:30	M. Karaman	Formation of N-Type and P-Type Polycrystalline Silicon Thin Films by Solid Phase Epitaxy	
16.13	11:30 - 11:50	S. H. Sedani	Fabrication & Doping of Thin Film P-Type Si Thin Films Fabricated by E-Beam Evaporation on Glass Substrate	
16.14	11:50 - 12:10	S. Kahraman	Sol Gel-Processed Cu <sub>2</sub> ZnSnS <sub>4</sub> Solar Absorbers: Effects of Sulfur Pressure	

June 21, 2014 SATURDAY

#	Time	Presenter		
			<b>THEME 2 Chair : Manolya Hatipoglu</b>	<b>Room: B308</b>
	10:20 - 10:50	Invited: <b>O. Goktepe</b>	Carbon Nanotube Yarns and Their Applications	
2.6	10:50 - 11:10	<b>E. D. Tekkaya</b>	The Effect of the Reaction Parameters on Carbon Nanotube Synthesis on Cobalt Catalyst	
2.7	11:10 - 11:30	<b>Ö. Çavuşlar</b>	Fluorescent Labeling of Carbon Nanotubes	
2.8	11:30 - 11:50	<b>C. Noberi</b>	Hydrothermally Synthesized Ag Containing TiO <sub>2</sub> Nanotubes and Their coatings onto 3-D Metallic Based Filters	
2.9	11:50 - 12:10	<b>M. Asghari</b>	<b>NO SHOW</b>	
2.10	12:10 - 12:30	<b>O. Alev</b>	Fabrication of Co loaded TiO <sub>2</sub> nanotubes for gas sensing	

## POSTER SESSION

### TUESDAY

Poster #	Name	Abstract Title
T1	Tugba Nur Ozturk	Atomistic Modeling of Porous Coordination Networks for Gas Separations
T2	Cigdem Altintas	Mixed Matrix Membranes with Porous Coordination Networks
T3	Ahmet Battal	Comparison Effect of Spin Speeds and Substrate Layers on Properties of Tin Oxide Thin Films
T4	Ahmet Battal	Study of some properties of SnO <sub>2</sub> :Sb:F thin films dependent on solution concentration
T5	Abdolhamid Hatefi-Mehrjardi	NO SHOW
T6	Bahattin Düzgün	NO SHOW
T7	Melek Kiristi	Electrospun Nanofibers of RF Plasma PEDOT Coated Chitosan
T8	Mehmet Emin Kılıç	Structural properties of defected bilayer ZnO nanosheets: Molecular Dynamics Simulations
T9	Didem Aksoy Körpe	Controlled Release Studies of Alginate Coated Chitosan Nanoparticles
T10	SOMAIYEH JAFARPOUR	The effect of SiO <sub>2</sub> nanoparticle size in the superhydrophobicity of a superhydrophobic surface during microwave plasma coating
T11	Shayan Mehraeen	Synthesis of high-aspect ratio polyaniline nanofibers and its application as actuator
T12	Yusuf Şimşek	NO SHOW
T13	Nihan Akın	Structural, optical and morphological properties of InGaN/GaN blue light emitting diode structure

T14	Fatma Kaplan	Effects of Ti-doped on the structural and optical properties of ZnO thin films
T15	Mohammad Mahdi Abolhasani	Effects of solvents ratio on electroactive $\beta$ polymorph formation in electrospun PVDF
T16	Bilal Arif	Optical Properties of Zn <sub>1-x</sub> Al <sub>x</sub> O:Cu <sub>2</sub> O Composite transparent Conductive Oxide Thin Film Fabricated by Sol-gel Method
T17	Demet Tatar	Effects of Ti addition on sol-gel derived TO thin film Transparent Conducting Oxides
T18	Ekin Çelik	Peptide Nanogels Scaffolds for 3D Cell Culture
T19	Mert Taşkın	Surface properties of Bi <sub>2</sub> Te <sub>3</sub> investigated by scanning tunneling microscopy and spectroscopy
T20	Reihaneh Masoomi	Surface functionalization of fullerene[60] with oximes/phenylhydrazones under microwave irradiation: a green and efficient procedure
T21	Deniz Kavrar	Investigation the Effects of Carbon Nanotube Orientation on the Mechanical Properties of PDMS Polymer Nanocomposites: Strain Hardening Evaluation
T22	Ayşenur Öztürk	Effect of Hydrophilic Organic and Inorganic Materials Addition to Catalyst Layer of PEM Fuel Cell on Water Management
T23	ÖZKAN BAYRAM	Investigation of electrical properties of Polyaniline thin films obtained by using Plasma Polymerization Technique
T24	Ayşe Gamze Yılmaz	Rapid identification of Pseudomonas aeruginosa and Pseudomonas fluorescens using Raman spectroscopy
T25	Najmeh Hadizadeh Shirazi	Thermodynamic analysis of newly isolated bacterial lipase in the presence of some divalent metal ions used in nanoparticles
T26	perihan aksu	Effect of Growth Parameters on Magnetic Properties in FeRh Thin Films
T27	Hasan YOLCU	Preparation of Superhydrophobic Graphene Oxide Surfaces
T28	Hasan YOLCU	Preparation of Superhydrophobic High-Density Polyethylene/Organoclay Nanocomposite Surfaces

T29	Ersin YÜCEL	Influence of pH on nanomechanical and optical properties of CdS films prepared by CBD
T30	Selma Özarslan	Production of Biodegradable WE43 Magnesium Alloy
T31	Ersin YÜCEL	Influence of coumarin concentration on the physical properties of CdS nanostructures
T32	Hilal RÜZGAR	Effect of Annealing Temperature on Structure and Optical Properties of CdS Films Deposited by CBD
T33	Faezeh Soofivand	Synthesis and characterization of ilmenite CoTiO <sub>3</sub> prepared by sol-gel processing
T34	Faezeh Soofivand	Bismuth hollow micro-spheres: Synthesis and characterization through microwave-assisted method
T35	Hale Arslan	Deposition of Nano Ag Particles on Vertically Organized Uniform TiO <sub>2</sub> Nanotubes on Ti Surface
T36	Faezeh Soofivand	Synthesis and Characterization Ferrite Ceramics Nano Structures via Sol-gel Auto Combustion Method
T37	Aykut Astam	Deposition of Cu <sub>2</sub> SnSe <sub>3</sub> Thin Film by SILAR Method
T38	Morteza Enhessari	Synthesis and characterisation of La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> nanoceramics by using complexing agent via sol-gel method
T39	ÖZKAN BAYRAM	Investigation of optical properties of non-synthetic Terpinen-4- ol thin films on glass substrate by plasma enhanced chemical vapor deposition
T40	Masoud Ebrahimzadeh	Preparation and investigation of nano-layers of tungsten tri-oxide
T41	Imren Ozcan	Design and Synthesis of New Supramolecular Materials Based on Fe <sub>3</sub> O <sub>4</sub> Nanoparticles
T42	Mahmoud Zarei	Removal of dye solution containing Reactive Red 195 using graphene oxide nanostructures synthesized from Graphite powder
T43	Omid Amiri	Fabrication and characterization of bismuth ferrite ceramic with different morphology by simple and novel methods

T44	Arda Kucuksari	Effect of Catalyst Depositing Method on Degredation Rate of Ethanol by Photocatalytic Oxidation
T45	SOLMAZ KARABULUT ŞEHİTOĞLU	Ruthenium Based Catalytic Systems for Controlling the Molecular Weight of Nano-ROMP Polymers in Aqueous Media
T46	Omid Amiri	A Facile Sonochemical Method for Synthesis of Manganese Oxyhydroxide Nanoparticles Assisted by an Inorganic Precursor
T47	Omid Amiri	Synthesis of ZnCr2O4 Nanocrystals by Co-Precipitation Method
T48	Omid Amiri	Synthesis of HgTe Nanostructures via Solvothermal Method Assisted by Inorganic Precursor
T49	F. Funda Kaya Demirsoy	Supramolecular Langmuir-Blodgett Monolayers of Self-Assembling Nucleic Acid-Lipid Surface Structures: From Origin of Life To Nonviral Gene Delivery Nanomedicines
T50	Fatma Sariipek	Selectively Facilitated Transport of Cr (VI) through P(DEAEMA-co-GMA) Thin Film Membranes Prepared by Initiated Chemical Vapor Deposition
T51	Bayram GÜNDÜZ	Effects on optical properties of the solutions of the MDMO-PPV light-emitting polymer (LEP) of the molarity
T52	Sura Kazmaz	4-Hydroxy-3-methoxyphenyl Functionalized Silica as a Column Packing Material for Liquid Chromatography
T53	Maryam Shaterian	Synthesis and characterisation of CoAl2O4 nanopigments
T54	Ahmet GÜRSES	SYNTHESIS and CHARACTERIZATION of RESOL-TYPE PHENOLIC RESIN Na MMT NANOCOMPOSITE
T55	Ahmet GÜRSES	Preparation and Characterization of Organoclays by Solid-State Methods
T56	Semih Çalamak	Silver Nanoparticle Containing Silk Fibroin Bionanotextiles
T57	Morteza Asghari	Low temperature MOR catalysis on highly active microwave-assisted synthesized Pd/CNT nano-electrocatalyst: effect of temperature
T58	ismail kabacelik	Effect of Au on the Crystallization of Germanium Thin Films for Photovoltaic Applications

T59	ebru uysal	Impacts of Carbon Nanotubes on Biochemical Reactions: Insight into Interaction between Carbon Nanotubes and DNA polymerase Enzyme
T60	TAYYİBE CELİK	Study of Cationic Poly(N,N-dimethylaminoethyl methacrylate) Hydrogels as pH-responsive Smart Materials
T61	Emrah Bulut	Investigating Lattice Vibrations of LiX <sub>Mn</sub> 2O <sub>4</sub> (1 ≤ X ≤ 1,33) Cathode Active Nanoparticles for Li-ion Batteries
T62	Amir Reza Abbasi	Syntheses and characterization of nano-porous coordination polymer@ silk yarn, prepared by layer-by-layer method
T63	Aylin Deliormanlı	Preparation and in vitro characterization of electro-spun 13-93 bioactive glass nanofibers containing cerium and gallium
T64	Aylin Deliormanlı	Effect of aging time on the properties of 45S5 bioactive glass powders prepared by sol-gel method
T65	Morteza Asghari	CO <sub>2</sub> capture using nanocrystalline silicoaluminophosphate-34 molecular sieves
T66	Morteza Asghari	Short-duration Hydrothermally Synthesis of Nanocrystalline LTA Zeolite
T67	Mohammad Ali Karimi	Trace determination and chemical speciation of arsenic in environmental water samples using modified iron oxide nanoparticles and molybdenum blue method
T68	Mohammad Ali Karimi	Speciation analysis of Se in water samples using selective magnetic solid phase extraction and electrothermal atomic absorption spectrometry
T69	Serik Fazylov	Синтез и свойства N-метил-1-[4-цитизинофенил]фуллерена C <sub>60</sub> [1,9c]пирролидин
T70	Sinem Esir	SrFe <sub>12</sub> O <sub>19</sub> /Zn <sub>0.65</sub> Ni <sub>0.25</sub> Cu <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> Core-Shell Nanocomposite: Synthesis, Characterization and Catalytic Activity in Aqueous Solution
T71	Ramazan Ozturk	HOLLOW BIMETALLIC Pt-Pd BASED NANOCAGE BASED NANOREACTORS
T72	Umit Akbey	Solid-State NMR Studies on Nanomaterials and Nanoparticles
T73	Bengi Özkahraman	Synthesis and Usage of Poly(N-vinylcaprolactam-co-itaconic acid) Thermoresponsive Nanogel for Drug Release



T74	Gulcin HAYKIR	Blue-Emitted Fluorescence Small Molecules for OLED Applications
T75	Gözde MURAT SALTAN	Novel Organic Dyes Based on Phenyl-substituted Benzimidazole Donor for Dye Sensitized Solar Cells
T76	Alp Yürüm	High Surface Area Titania Based Nanoparticles for Adsorption Processes
T77	salah khanahmadzadeh	Fabrication and optical band gap of Co <sub>2</sub> TiO <sub>4</sub> nanoparticles
T78	salah khanahmadzadeh	Fabrication, characterization and optical band gap of polyaniline/CoTiO <sub>3</sub> nanocomposites
T79	Amir Farzaneh	Influence of nano-SiC participation on densification and mechanical properties of ZrB <sub>2</sub>
T80	Yavar Noormohammadi Ziba	Adsorption of Cd(II) Ions onto Graphene Oxide Nanosheets
T81	RASİM ÖZDEMİR	Effect of current density on the electrodeposited of Cu <sub>1-x</sub> Zn <sub>x</sub> alloy thin films, structural properties and electrical resistivity
T82	RASİM ÖZDEMİR	The effect of electrolyte pH on microstructure of copper-zinc electroplated coatings
T83	RASİM ÖZDEMİR	The Effect of Zn concentration on the electrodeposited Cu <sub>x</sub> Zn <sub>1-x</sub> alloy thin films
T84	FARZIN ASGHARI SANA	NANO-SCALE INTERACTIONS OF HUMAN DENTAL PULP STEM CELLS ON FIBRONECTIN IMMOBILIZED CHITOSAN SCAFFOLDS
T85	Mohammad Sabet	Synthesis and characterization of Mg(OH) <sub>2</sub> and MgO nanostructures via simple hydrothermal method
T86	Sousan Gholamrezaei	Preparation of Ceria nanostructures by different methods and various new precursors
T87	Sahar Zinatloo-Ajabshir	Synthesis of Nanocrystalline holmium oxide via a thermal treatment rout
T88	Sahar Zinatloo-Ajabshir	Synthesis of Nanocrystalline Pr <sub>6</sub> O <sub>11</sub> via a Facile Precipitation Rout

T89	Sahar Zinatloo-Ajabshir	Synthesis of nanocrystalline praseodymium oxide via a thermal treatment process
T90	maryam masjedi-arani	Synthesis and characterization of Zinc silicate nanostructures
T91	Uğursoy Olgun	Nano Silver-Hydroxyapatite (nano Ag-HAP) Coatings for Anti-Infective Biomedical Implants
T92	Uğursoy Olgun	Synthesis and Coatings of Fluorescence CdTe Quantum Dots in SiO <sub>2</sub> Glass Matrix
T93	Sousan Gholamrezaei	Facile synthesis approaches for preparation of Germanium oxide nanoparticles
T94	Sousan Gholamrezaei	Solution route to preparation of tin oxide nanocrystals
T95	Numan Şarlı	Phase transition in the one-dimensional magnetic Ising dipole (1DMID) by using Kaneyoshi approach
T96	Ceren Öney Kiroğlu	DEVELOPMENT AND CHARACTERIZATION OF SILICA BASED ALTERNATIVE CORE MATERIALS FOR VACUUM INSULATION PANELS(VIPs)
T97	CAHİT DEMETGÜL	Synthesis of Schiff Base Derivatives and Their Metal Complexes of Nanostructured Polyhedral Oligomeric Silsesquioxanes (POSS)
T98	Serap Mutlu Yaniç	Synthesis and Characterization of Halloysite/Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol) Nanocomposites
T99	SHAHRIYAR KARIMDOUST	The Use of Nano Technology to Recover Gold Nanoparticles in Mesothermal and Epithermal Deposits
T100	ELAHEH MOTAMEDİ	Magnetic and carbon-based nano-adsorbents proficiency in pre-purification of paclitaxel
T101	Şölen Kınayyığıt	Platinum Nanoparticles: Synthesis, Surface Chemistry Studies and Catalytic Applications
T102	Seyed Abolghasem Kahani	Mechanochemical preparation of nickel nanoparticles
T103	Melike CAN	Structural and Optical Characterization of SnSe Thin Films by Electrodeposition

T104	Farzaneh Valipour	Poly (lactide-co-glycolide)-based iron oxide nanoparticles and targeted therapy in lung cancer
T105	ISRAFIL KUCUK	Microfluidic Preparation of Polymer Nanospheres
T106	Elif Türker Acar	Conductometric and potentiometric study for synthesis of Barium titanate nanoparticles
T107	Elif Türker Acar	Enhanced photovoltaic performance of cobalt (III)/ titanium dioxide photoanode
T108	Özlem BARIŞ	Biosynthesis of Calcium - nanoparticles by bacteria
T109	Davood Ghabari	NO SHOW
T110	faezeh soofivand	NO SHOW
T111	Marefat FEIZI KHANGHAH	Evaluation of chitosan nanoparticles synthesized by aquatic beetles (cybistar sp)
T112	Osman Giray YORUK	Aggregation of Nano CaCO <sub>3</sub> in Nano Filtration
T113	Nuray Güy	Photocatalytic Activities of ZnO, Ag/ZnO and Fe/ZnO Synthesized by Hydrothermal Method
T114	Salih Zeki Yıldız	Poly(2-ethyl-2-oxazoline) (POX) Stabilized Fluorescence CdTe Quantum Dots
T115	Ayşe Merve ASLANDAŞ	The synthesis of silver nanoparticles/graphene oxide composites and their interaction with Pyronin Y molecules in aqueous solution
T116	Burak Derkuş	Preparation and Characterization of PbS Nanoparticles by Sonochemical Method
T117	Mustafa Can	Equilibrium Data for Rhodium Adsorption onto Pyrogallol Derived Nano Resin
T118	Ezgi TOPÇU	Preparation of Highly Conductive, Flexible, and Free-standing Graphene Composite Paper

T119	Ayşe Merve ASLANDAŞ	Layer-by-layer Assembly of Pyronin (Y) Dye with Graphene Oxide on Glass Substrate
T120	Alev Cumbul	Histomorphometrical of The Effects of VEGF Applied With Nano Particle Carriers at Maxillary Sutural Region in Rats Caused By Following Rapid Maxillary Expansion
T121	Tuğçe Akkaş	Crosslinked Urease Nano-Aggregates Assisting Urea Reactions
T122	Erol ALVER	Determination of BPA with chitosan capped gold nanoparticles

### WEDNESDAY

Poster #	Name	Abstract Title
W1	Tugrul Cetinkaya	Preparation and Characterization of Si/CNF/CNT Nanocomposites for Li-Ion Batteries
W2	Mehmet UYSAL	NO SHOW
W3	leila javadian	NO SHOW
W4	Javad Safaei Ghomi	NO SHOW
W5	Asma Khoobi	NO SHOW
W6	Asma Khoobi	NO SHOW
W7	Ezgi Tan	Dispersion of Silica Nanoparticles into Biopolymer Matrix
W8	Öykü Ürk	Preparation and Characterization of TiO <sub>2</sub> Nanoparticles in Chitosan

W9	A. Kadir Özer	Effect of Different Surfactants on the Structure of Nano CuO
W10	Öznur Akbal	Preparation and Characterization of Protein and Polysaccharide Based Nanospheres to Be Used in Cancer Therapy
W11	Hakan Çiftçi	Polymer stabilized gold nanoparticles: synthesis and application
W12	Yavar Noormohammadi Ziba	Removal of Crystal Violet from Aqueous Solution Using Graphene Oxide Nanosheets
W13	Maryam Shakouri-arani	NO SHOW
W14	Ahmet Serhan HERGÜL	NO SHOW
W15	Ezgi Öztürk Yılmaz	Synthesis and Dielectric Properties of Magnetic Nanoparticle Doped into Polymer Composite Films
W16	Haluk BİNGÖL	Water-soluble SnSeS Quantum Dots for Sensitive Detection of Dopamine
W17	Nurcan Doğan	Effects of Preparation Methods on Magnetic Properties of $Cu_xNi_{1-x}Fe_2O_4$ Samples
W18	Nurcan Doğan	Synthesis, Structural and Magnetic Properties of $Zn_{0.95-x}Mg_xNi_{0.05}$ by Sol-Gel Method
W19	Sinem Ortaboy	The Adsorption Behavior of a Dioxygen Complex of Bis(L-histidinato)cobalt(II) onto Nanocrystalline TiO <sub>2</sub>
W20	Recep YÜKSEL	Transparent and Flexible Supercapacitor Electrodes Using SWNT Thin Films
W21	Sahin Coskun	Silver Nanowire Network Transparent Heaters
W22	Sina Rouhi	An investigation of new enhancements in aerogels structure
W23	Abdolhamid Hatefi-Mehrjardi	NO SHOW

W24	Tuba KILINC	UNDERSTANDING OF A $\beta$ 16-22 and A $\beta$ 17-21 PEPTIDES AGGREGATION BY MOLECULAR DYNAMICS SIMULATIONS
W25	Şeyma Ş. Nayır	Investigation of the crystallization of TRIS-HCl solution on solid surfaces
W26	Zeliha Gamze ALP	A DFT AND TD-DFT INVESTIGATION OF COMPLEXES BETWEEN PORPHYRIN AND SOME POLYAROMATIC HYDROCARBONS
W27	Bahadır Keskin	Synthesis of Alkyl-Bromine End Functionalized Porphyrizine and Investigation of Its Electrical Properties
W28	Alireza Mohadesi	NO SHOW
W29	Alireza Mohadesi	NO SHOW
W30	Abdolhamid Hatefi-Mehrjardi	NO SHOW
W31	Abdolhamid Hatefi-Mehrjardi	NO SHOW
W32	Parveen Qureshi	Fabrication of Thermo Responsive polymeric nanotubes for release and diffusion studies using Icvd
W33	Svetlana Konnova	Halloysite – new promising material for microencapsulation of microbial cells
W34	Sibel MORKOÇ KARADENİZ	The Effect of Anodization Time and Voltage on Morphology of TiO <sub>2</sub> Nanotubes
W35	SELDA DOGAN	NO SHOW
W36	İdris Gürkan	Synthesis and Characterization of Arrays and Patterns of Vertically Aligned Carbon Nanotubes for Fabrication of a Micro-Device as a Nano-exchanger
W37	Evrin BARAN	Characterization of Ti/ TiO <sub>2</sub> -NTs and Ti/TiO <sub>2</sub> -NTs Covered Honeycomb Lattice Formed by Electrochemical Methods
W38	Banu SÜNGÜ MISIRLIOĞLU	Tensile Elongation Limits of Defect-free Single Walled Carbon Nanotubes

W39	mehmet emin kılıç	Structural properties of hexagonal shaped ZnO nanorods under torsion: Molecular Dynamics Simulations
W40	mehmet emin kılıç	Structural properties of hexagonal shaped ZnO nanorods under compress: Molecular Dynamics Simulations
W41	Burcu TOYDEMİR	MBE Growth and Characterization of Mn-doped Ge Nanorods
W42	Gökmen Sığırıcık	Electrochemically Deposited ZnO Nanorods for Photocatalytic Oxidation
W43	Serkan Demirel	The Fabrication of B substituted Na <sub>4</sub> Mn <sub>9</sub> O <sub>18</sub> nanorods and their Structural Properties
W44	Sibel MORKOÇ KARADENİZ	PROPERTIES OF ZnO NANORODS GROWN ON GLASS AND SEEDED GLASS SUBSTRATE BY HYDROTHERMAL METHOD
W45	Özge Kerkez	Co <sub>2</sub> + Addition Effect on the Photocatalytic Activity of TiO <sub>2</sub> Nanorod Thin Films
W46	Nezaket Nehir UTKU	Preparation of Highly Ordered Gold Nanorod Monolayer and Multilayers by Langmuir Technique
W47	Erdinc Oz	Magnetic Properties of Na <sub>0.44</sub> MnO <sub>2</sub> nanorods
W48	Morteza Asghari	NO SHOW
W49	Emine Sevgili	Hot Filament Chemical Vapor Deposition of Polymeric Tertiary Amine Containing Nanocoatings For Antibacterial Textile Applications
W50	Morteza Asghari	NO SHOW
W51	Morteza Asghari	NO SHOW
W52	Morteza Asghari	NO SHOW
W53	Morteza Asghari	NO SHOW

W54	Morteza Asghari	NO SHOW
W55	Morteza Asghari	NO SHOW
W56	Burcu Dursun	Nanostructured SnO <sub>2</sub> /Carbon Composite as an Anode Material for Lithium-ion and Sodium-ion Batteries
W57	Didem Çakmak	Immobilization of Co-salabza on poly(pyrrole-co-o-anisidine)/chitosan nanocomposite film
W58	OGUZ BAYINDIR	Electrochemical formation of polymeric thin films of Azure B
W59	Öznur Güngör	Fructose-based Polyurethane Membranes: Synthesis, Characterization and Their Use as Potentiometric pH Electrode
W60	Serpil Demirci	Electropolymerization of 3,4-Ethylenedioxythiophene In the Presence of Drug Molecule
W61	Büşra Aşar	The Corrosion Behavior of PANI-co-POA-co-PPY and PANI-co-POA-co-PNMP Terpolymer Films on ZnFeCo Plating
W62	Filiz Kuralay	Development of Sepiolite-Single Walled Carbon Nanotubes Modified Disposable Graphite Sensors
W63	mehmet demir	PHOTO-ACTIVATED TiO <sub>2</sub> BASED GAS SENSOR AT ROOM TEMPERATURE
W64	Fatma Çolak	Poly (aniline-co-pyrrole-co-N-methylpyrrole) terpolymer films on ZnFe coating surface
W65	Süleyman Yalçınkaya	Immobilization of Cu-salabza on poly(pyrrole-co-o-anisidine)/chitosan nanocomposite film
W66	Sinem Ortabay	Electrochemical Behavior of Ni(TPTZ) <sub>2</sub> Complex on Carbon Paste Electrode Modified with ZnO Nanoparticles
W67	Levent PARALI	Piezoresistive and posistors effects in polymer-semiconductor and polymer-ferropiezoceramic composites
W68	Ayşen Zerey	Hydrothermal Carbon from Biomass as Electrode Materials in Rechargeable Batteries



W69	NESLİHAN BEYAZIT	Synhtesis of Unsymmetrical Schiff Base and Its Ni(II), Co(II), Fe(III) Complexes: Preparation of Nanostructured Metal-Schiff Bases Films on Platinum Electrode
W70	Aziz PAŞAHAN	Glucose Amperometric Biosensor Based on Immobilization of Glucose Oxidase in Poly[tris((p-aminophenoxy) phosphineoxide)-3,3',4,4'-benzophenonetetracarboxylicdiimide] Film
W71	Cansu Ümran Taş	Effective Delivery of Doxorubicin with Modified DNA Origami Carrier Systems
W72	Nuraniye Eruygur	Surface Enhanced Raman Spectroscopy of DNA –Lipid Biomolecular Dynamics in Lipid Monolayers and in Nanoscale Virus-Like Lipoplexes Designed for Therapeutic Gene Delivery
W73	Davood Chobfroush Khoei	NO SHOW
W74	Sahar Shahirdavarpanah	Poly(AAm-co-HEMA) Tissue Expanders Supported by Amoxicillin Releasing PCL Nanofibrous Mat
W75	Göknur Kara	Combined Application of siRNA Loaded Lipid Nanocarriers and Therapeutic Agents for Treatment of Lung Cancer
W76	Reihaneh Ramezani	Gene delivery by neutral phospholipid-based bilayer nanosystem
W77	Okan Mazmanoğlu	Nano-modification of Titanium Surfaces by Magnesium to Enhance Surface Properties
W78	İdil KARACA AÇARI	POSS-based Antibiotic Nanoparticles for Coating of Medical Devices
W79	Aylin Deliormanlı	Investigation of the bioactivity and mechanical properties of PCL-coated bioactive glass scaffolds
W80	Tugba Aydin	PMEDSAH is a Polyzwitterionic, Non-fouling Material that Supports Pluripotent Cell Growth
W81	Burhan Ateş	Synthesis and Adhesive Properties of Biocompatible Polyurethane–Clay Nanocomposite as a Tissue Adhesive
W82	Esra Maltas	NO SHOW
W83	İbrahim Karteri	Electrical Characteristics of The ZnO/p-Si Heterojunction Devices Under White Light Illumination

W84	Huseyin Atci	Formation of Spin Droplet at Filling Factor 5/2 in an Asymmetric Quantum Dot under Hall Conditions
W85	Aysel Tomak	Assembly and Rotation of Organic Molecules
W86	Süheyla Güllülü	Addressable Discrete Memristor Devices in Matrices Form
W87	Bahattin ABAY	Temperature Dependent Transport Properties of Au/p-TlInS <sub>2</sub> /MD n-InP Pseudo-Schottky Junctions
W88	S. Seyyare Aksu	Mechanically Controlled Quantum Switch Defined on a Curved 2DEG
W89	Aykut Can Önel	The Effect of Growth Environment on Ferromagnetism in GeMn/Si Multilayers Grown by MBE
W90	Umut Parlak	Exchange Bias Properties of Pt <sub>x</sub> Co <sub>1-x</sub> /CoO Bilayer Thin Films
W91	Umut Sarac	Comparative Studies of Microstructural and Surface Morphological Properties of Ternary Ni-Fe-Cu Thin Films Electrodeposited at Different Applied Current Densities
W92	Adem Parabaş	NO SHOW
W93	Ayşenur Akbulut	Effect of IrMn Interface on Magnetic Anisotropy of Pt/Co Multilayers
W94	Şahika Sena Bayazit	Isolation of naproxen from wastewater using magnetically modified MWCNTs
W95	Reza Didarian	NO SHOW
W96	M. İbrahim COŞKUN	NO SHOW
W97	Davood Ghabari	NO SHOW
W98	Faezeh Soofivand	NO SHOW

W99	Mustafa Öztürk	Interface effects in exchange biased Co/(Pt,Cr)/CoO thin films
W100	Mahmut Özacar	Hydrothermal Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Glucose Oxidase Immobilization
W101	Davood Ghabari	NO SHOW
W102	Faezeh Soofivand	NO SHOW
W103	Sertaç URAL	Effect of Cu Alloying Ni-Mn-In Systems
W104	Abdolhamid Hatefi-Mehrjardi	NO SHOW
W105	Ayça Tanrıverdi	Synthesis of Reduced Graphene Oxide (RGO) / ZnO:B Nano-Composite Powder
W106	Semih Cakmakyapan	Graphene based tunable split ring resonators for coupling enhancement
W107	Zehra Durmuş	Preparation of barium hexaferrite-graphene magnetic nanocomposites as EMI shielding materials
W108	Sesha Vempati	Optical emission properties: graphene oxide to reduced graphene oxide
W109	İbrahim Karteri	Nano-Graphene Oxide: Synthesis, Characterization and Optical Properties
W110	İbrahim Karteri	Synthesis of Graphene/Phosphorus Nanocomposites by Hydrothermal Method
W111	Bayram GÜNDÜZ	Determination of the optical parameters of the liquid-crystalline polymer poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-bithiophene] (F8T2) for different molarities by a solution technique
W112	Sanaz Akbarzadeh	A Novel Sensor of Quinon Derivative Self-Assembled Monolayers over Silver Nanoparticles for the Determination of Thiourea
W113	Yunus Baş	Defect research of InGaN based blue LED structures with reciprocal lattice space mapping

W114	Tugay Üstün	Translaminar Fracture Toughness of Carbon Fiber Reinforced-MWCNT/BNNP Added Nano Hybrid Laminated Epoxy Matrix Composites
W115	Mehmet K. Torun	The compositional dependence of the structural disorder in ZnxCd1-xTe quantum dots grown in glass studied through optical transmission and resonant Raman spectroscopies
W116	Ayşe Sonmez	Exchange Bias Properties of [Ni/CoO] <sub>x</sub> Multilayers
W117	Abuzer YAMAN	Effect of F4TCNQ Molecules on MDMO-PPV-Based Polymer Solar Cell Efficiencies

### WEDNESDAY (BORON SESSION)

Poster #	Name	Abstract Title
B1	Yusuf Şimşek	Molecular Dynamic Simulation of Boron-Carbide Nanotubes
B2	ÖMER AKGÜL	Optical and Electrical Properties of Undoped and Boron Doped Cobalt Oxide Thin Films
B3	Mahnaz Mohammadi	NO SHOW
B4	BERNA USTUNER	Effect of Boron Treatment on the acetylation state of Hep3B hepatoma cell line
B5	Eray Esendir	Sodium Borate Affects the Acetylation Status of Proteins in DU-145 Prostate Cancer Cells
B6	A. Kadir Özer	Surfactant Assisted Synthesis and Characterization of Nickel Borate by Hydrothermal Synthesis
B7	Serpil Demirci	Investigation of Poly(3-Aminophenylboronic Acid)-Paxlitaxel Interaction

**FRIDAY**

Poster #	Name	Abstract Title
F1	Çağrı AĞİN	Preparation of Graphene Nanosheets by Rapid Reduction of Graphite Oxide with Various Metal Powders
F2	Begüm Yazar	Fabrication and Characterization of Poly(vinylidene fluoride)/Graphene Oxide Composite Nanofiber Mats for PEM Fuel Cell
F3	ÖMER AKGÜL	Synthesis of RGO at different temperatures by hydrothermal method
F4	ÖMER AKGÜL	Synthesis of RGO / NiO Nano Composite Powder
F5	Mehmet Dumangöz	Detection of Dopamine on Graphene/Polypyrrole Coated Surfaces
F6	Umut Kamber	Investigation of dendritic structures forming during chemical vapour deposition growth of graphene
F7	CEM KINCAL	Investigation of morphological and electrical properties of ambient-CVD grown graphene films transferred on to dielectric substrates
F8	Sajjad Ghobadi	Preparation of reduced graphene oxide tri-component electroresponsive nanocomposites via electrospinning for artificial muscle fabrication
F9	Duygu Ekinçi	Covalent Functionalization of Graphene with Pyridine Molecules
F10	Sajjad Ghobadi	Transparent, Flexible, and Solution-Based Graphene Composite Electrode with Polymeric Solar Cell Applications
F11	Kübra ÖZTÜRK	Graphene/Poly(o-Phenylenediamine) Based Electrodes for Biomedical Applications
F12	Mahla Shahsavar	Graphene Nanogrids' Striking Efficiency in Selective Differentiation of Stem Cells
F13	Serhat Odabaş	Synthesis and photophysical properties of aggregation induced emission active tetraphenylethene based luminogen and its OLED applications

F14	NESLİHAN HİDİROĞLU	BACTERIORHODOPSIN: AS A NANOBIO MOLECULE
F15	Ismail BILICAN	Theoretical Study of the Temperature Sensitivity of Gain 1.3- $\mu$ m AlGaInAs MQW Lasers
F16	Mehmet Emre TASGIN	Super-Efficient Nonlinear Conversion of Light by Plasmonic-Quantum Hybrid Systems via Fano Resonances
F17	Bahattin ABAY	Photophysical Properties of Anthracene Derivative Composed of Styryl and Triphenylamine Groups for OLEDs
F18	sanaa Al-Delaimy	NO SHOW
F19	Gözde Mutlu	Electrospun Nanofibrous Wound Dressing Based on Curcumin Loaded PHBV Mats
F20	Yurij Stetsyshyn	Temperature and pH dual-responsive POEGMA-based coatings for protein adsorption
F21	Yurij Stetsyshyn	Synthesis of the polymeric photoinitiators for the formation of the nanocomposites
F22	İbrahim Murat Öztürk	Generation of Complex Plasmonic Structures for Solar Cell Applications by Hole Mask Colloidal Lithography
F23	Osman Sahin	NO SHOW
F24	Dilek Yıldız	Scanning Probe Microscopy Study of Swift Heavy Ion Irradiated Graphitic Surfaces
F25	Zeynep BAZ	FABRICATION AND CHARACTERIZATION OF THE CARBON BASED THIN FILMS
F26	Ozlem Polat	WHICH SHAPE OF THE GOLD NANOPARTICLE IS THE BETTER FOR DELIVERY AND IMAGING PURPOSES?
F27	Gizem Bor	Development of the BODIPY Conjugated Chitosan Nanoparticle as Fluorescent Probe and Evaluation of Their Cytotoxic Activity on Lung Cancer Cells
F28	Hülya ÖZTÜRK	Epilayer Thickness Effects on the Dilatation Field of the InN/GaN

F30	OSMAN SAYGINER	Resonance frequency analysis of MEMS based on piezoelectric microcantilever beam for vibration energy harvesting applications
F31	Dogus Ozkan	A Study on Tribological Performance of Newly Developed Sulphur Based Lubrication Oil (NP3) in Cylinder Bore-Ring System with Microscopic and Spectroscopic Analysis
F32	Onur Bardakcioglu	Preparation and Characterization of TiO <sub>2</sub> Nanoparticles by Sol-gel Method for Grinding Fluids
F33	Kerim Yapıcı	Effect of the particle size on the thermal conductivity of ethylene glycol based nanofluids containing oxide nanoparticles
F34	Sidika Yildirim	Preparation of SiO <sub>2</sub> Nanoparticles and Its Beneficial Role in Grinding
F35	Tülay KOÇ DELİÇE	Effects of TiO <sub>2</sub> -SiO <sub>2</sub> Nanoparticles to Cooling Fluids
F36	Dila Kaya	Fabrication and Characterization of Single Nanopore Membranes for Molecular Sensing
F37	Abdolhamid Hatefi-Mehrjardi	NO SHOW
F38	Ismail BILICAN	Capacitive Solvent Sensing in PDMS Micro Channel
F39	Asuman Cengiz	Doped/Undoped TiO <sub>2</sub> Nanowires Synthesized by Hydrothermally and Their Ethanol and Methanol Sensing Application
F40	Aysel Tomak	Localized Surface Plasmon Resonance Based Biosensor
F41	ABDULLAH BAYRAM	Gas Sorption Properties of Ferrocene-Branched Chitosan Derivatives
F42	Burak Derkuş	Copper-Zinc Alloy Nanoparticle Based Nanocomposite on Screen-Printed Electrode As Enzyme Mimicking For Superoxide Radical Sensing
F43	Zahra Gohari	NO SHOW
F44	SEDEF İLK	Decolorization of azo dye Reactive Red 5 by immobilized Laccase to Nanocomposite Poly (MA-alt-MVE)/ODA-MMT

F45	SEDEF İLK	Antitumor Activity of Poly(MA-alt-MVE/ODA-MMT) Nanohybrid Structure
F46	Zahra Sadat Nazifi	NO SHOW
F47	Hachemaoui Aïcha	NO SHOW
F48	Busra Aksoy	Synthesis and Optical Properties of Polyester-Silica Composites and Morphology of Their Nanostructured Films
F49	Burak Dikici	The effect of sintering time on the corrosion behavior of in-situ Al-Cu/Al <sub>2</sub> O <sub>3</sub> nanocomposites
F50	Ayşe Bayrakçeken Yurtcan	Preparation and Characterization of Carbon Based Polypyrrole Nanocomposites
F51	Berna Koçer	Perlite/Naylon-6 Nanocomposites
F52	Remziye Güzel	Preparation of hydrogel-coated Au@Ag and Ag@Au nanoparticles for antibacterial applications
F53	YAHIAOUI Ahmed	NO SHOW
F54	Selcan Karakus	Effective Removal of Basic Dye from Aqueous Solution Using PVA/Alginate Nanocomposite
F55	Selcan Karakus	Synthesis, characterization of an antibacterial Acecia Gum/Fe-silica nano-biocomposite
F56	Süleyman Köytepe	Preparation and Characterization of Bipyridine-Based Polyimide-SiO <sub>2</sub> Hybrid Composites as a Low Dielectric Constant Material
F57	Sema Vural	Specific Heat Capacity of Polyimide-Ag <sub>2</sub> O Nanocomposites Investigated by DSC Technique
F58	Sibel MORKOÇ KARADENİZ	Properties of ZnO nanorod-nanosheet composite grown on seeded ITO substrate by hydrothermal method
F59	Nuray Güy	Photocatalytic Activities of ZnFe <sub>2</sub> O <sub>4</sub> , Tannin-ZnFe <sub>2</sub> O <sub>4</sub> and Tannin-ZnFe <sub>2</sub> O <sub>4</sub> -ZnO by Hydrothermal Method Under UV Light Irradiation



F60	Fatma Özge Gökmen	Synthesis and Characterization of Polyacrylic Acid (PAA) and its SiO <sub>2</sub> Nanocomposite Hydrogels
F61	Fatma Saripek	NO SHOW
F62	Burak Derkuş	Alginate and alginate-titanium dioxide nanocomposite scaffold as electrode materials
F63	Sara Fouladgar	NO SHOW
F64	Vajihe Nejadshafiee	NO SHOW
F65	Ümit Tayfun	Mechanical, Rheological and Electrical Properties of TPU/Fullerene Nano-composites: Effect of Surface Modification of Fullerene
F66	Fatma Saripek	Selectively Facilitated Transport of Cr (VI) through P(DEAEMA-co-GMA) Thin Film Membranes Prepared by Initiated Chemical Vapor Deposition
F67	Harun Bayrakdar	NO SHOW
F68	pınar özen	The Influence of TiN Particle Size on Microstructure and Mechanical Properties of SiAlON-TiN Composites
F69	Kuday Karaaslan	Coaxial electrospinning of hydrophilic polymer sheath surrounding oleophilic colloidal metal core
F70	Tugay Üstün	The Fabrication and Characterization of PAN/TiO <sub>2</sub> -ZnO Nanofiber their Photocatalytic Properties
F71	Seçil Kurtalan	Adsorption properties of ferrocene doped PEDOT: PSS conducting polymers
F72	Selcan Karakuş	Adsorption of Basic Red 46 onto Ternary Nanocomposite
F73	Mira ausama AL_Katib	NO SHOW
F74	Didem Mimirolu	Preparation of Lipase Encapsulated Liposomes for Cosmetic Applications

F75	MEHMET ERKUŞ	Growth and Characterization of InAsSb-based Infrared Detectors with nBn Design
F76	SHAHRIYAR KARIMDOUST	The Use of Nanotechnology in Food Packaging and Storage
F77	BURCU GUVEN	Detection of SERS Based Genetically Modified Organisms with Serial and Parallel Amplification Strategies
F78	Saadet Uluok	Determination of Genetically Modified Organisms on Dendrimer-based SERS Platforms
F79	Şebnem Açıkbaş	Herbicide Bio-detection by Raman Spectroscopy
F80	Sevecen Tuğlu Gürpınar	Fumonisin Specific Immune Response Stimulation with Polymeric Nanoparticles
F81	Hülya Akdemir Koç	Assessment of toxicity of carbon nanotubes (SWCNT, MWCNT and MWCNT-COOH) on barley germination
F82	Mehmet Ates	Effect of Alpha Iron Oxide Nanoparticles to Fundulus dispar and Fundulus notti
F83	Muge Alsaran	HISTOPATHOLOGICAL EFFECTS OF TITANIUM DIOXIDE (TiO <sub>2</sub> ) NANOPARTICLE ON ZEBRAFISH (Danio rerio) GILLS
F84	MERVE GÖKŞİN KARAASLAN	Synthesis, Characterization and Toxicity Properties of Different Morphology of ZnO Nanoparticles
F85	Burcu ÖZDAMAR	Synthesizing Of Olive Leaf Extract Loaded Chitosan Nanoparticles And Investigation Of Their Anticancer Activity On Lung Cancer Cells
F86	merve abar	Histological Effects Of Poly(2-Ethyl-2-Oxazoline) On Liver Tissue Of Zebrafish (Danio Rerio)
F87	Deniz A. Erdogan	Pollen-Templated Photoactive Titanium Dioxide Spheres
F88	Tuba Tarhan	Biosorption of Metanil Yellow from Aqueous Solution onto glutaraldehyde cross-linked magnetic chitosan nanoparticles
F89	Yasemen Kalpaklı	Effect of Montmorillonite Support on the Photocatalytic Activity of Mesoporous 75%(wt) TiO <sub>2</sub> /Montmorillonite Photocatalyst by Sol-Gel Processing

F90	mehmed selim çögenli	Durability of PtCo/C alloys for PEM fuel cell cathode electrode
F91	Yasin Polat	The Comparison of Characterization Before and After Electrical Conductivity Measurements of Nanoceramic Ternary Solid Solution
F92	AHMET ÖRNEK	Electrochemical properties of Zn doped nano-scale LiFePO <sub>4</sub> -C cathode materials
F93	Recep YÜKSEL	Textile Based Supercapacitors Using SWNTs/Manganese Oxide/PEDOT:PSS
F94	Melike CAN	Synthesis of Hierarchically Structured ZnO Nanorods for Efficient Solar Cells
F95	İsrafil Şabikoğlu	Piezoelectric Properties of Polymer-Ferroelectric Composites Crystallized by Plasma Electric Discharge
F96	Mahmut Özacar	Preparation and Characterization of ZnO and Fe/ZnO Photo anode using Tannin as natural dye for DSSCs
F97	Hasan ALGÜL	A novel silver alloyed lithium anode for the lithium-air batteries
F98	Murat Farsak	Methanol oxidation on Ni deposited multiwall carbon nanotubes in alkaline solution
F99	Samed CETİNKAYA	The effects of TritonX-100 on the formation by using sol-gel grown of Cu <sub>2</sub> SnS <sub>3</sub>
F100	Mahmud Tokur	Electrochemical performances of Nano Sn and Sn/Cu core-shell negative electrodes for lithium ion batteries
F101	Elif DAŞ	Effect of Microwave Duration on the Synthesis of PPy:C Supported Pt Catalysts via Microwave Irradiation Technique
F102	Elif DAŞ	Electrocatalytic Activity of Platinum / PEDOT-Carbon Electrocatalysts for PEM Fuel
F103	mehmed selim çögenli	Effect of Electrode Preparation Methods on PEMFC Performance
F104	Elif Ceylan Cengiz	The Use of Polysulfides as Catholytes in Lithium-Sulfur Rechargeable Batteries

F105	Füsün Er	Multivariate Analysis of Surface Enhanced Raman Spectroscopy Data for Detection of Kidney Cancer
F106	SHAHRIYAR KARIMDOUST	NO SHOW
F107	SHAHRIYAR KARIMDOUST	NO SHOW
F108	Fatma Koçbaş	Investigation of Toxic Effects of Silver Nanoparticles (>100 nm) and Silver Nitrate on Embryogenesis of the Sea Urchin <i>Arbacia lixula</i>
F109	Hanaa Alsalih	NO SHOW
F110	Basima Abdullah	NO SHOW
F111	Emine Deniz TEKİN	Investigation of self-assembled peptide amphiphiles using molecular dynamics simulations
F112	Turgay Çoruhlu	Synthesis and characterization of ITO-Titanium-ITO trilayers prepared by DC magnetron sputtering
F113	Farida Akhatova	Nanoparticle delivery into nematodes <i>Caenorhabditis elegans</i> by nanomodified microorganisms: characteristics with a high-resolution microscopy techniques
F114	MUNA JANKEER	NO SHOW

Notes: