



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

FUNCTIONAL MATERIAL TECHNOLOGIES

21.10.2017 SATURDAY/CUMARTESİ

FUNCTIONAL MATERIAL TECHNOLOGIES

HALL-K

ARTICLE TITLE

CHAIR	ID No	ARTICLE TITLE
		Prof. Dr. Niyazi BULUT
08.30-08.45	44	4-Chloromethyl-6, 7-dimethylcoumarin Synthesis and Quantum Chemical Calculations Pelin Koparır, Akif Evren Parlak, Kamuran Saraç, Naci Ömer Alayunt, Cahit Orek, Metin Koparır*
08.45-09.00	199	Material in Design: The Relation of Product and Material in Terms of Design Value Demet Günal Ertaş*, Seçil Şatır
09.00-09.15	132	Observation of Spin Hall Effect on Topological Insulator Bi ₂ Se ₃ with Low Temperature Magnetic Force Microscopy Technique Kübra Çelik*, Ahmet Oral
09.15-09.30	1037	The Effect of Post-Annealing on XRD Pattern of DC Sputtered ZnO/SiO ₂ Structure Fatih Gül*, Hasan Efeoğlu
09.30-09.45	334	Step by Step the Collagen Hydrolysate Nanofibers Formation Meruyert Koizhaiganova*, Safiye AÇIKEL, Ahmet Aslan
09.45-10.00	315	Effect of Low Concentration Calcium Doping on the Physical Properties of Lead Sulfide Thin Films Ersin Yücel*
10.00-10.20		COFEE BREAK
		Prof. Dr. Ramazan SOLMAZ
10.20-10.35	494	Synthesis of Antimony Fluoroborate and Usability as Flame Retardant Duygu Yılmaz Aydın*, Kübra Patlar, Metin Gürü, Fatih Akkurt
10.35-10.50	947	Coordination Chemistry and Applications of Some Vanadium Compounds Berat İlhan Ceylan*
10.50-11.05	783	Novel Phthalocyanines for Nonlinear Optic Applications Hande Karaoğlu*, Makbule Koçak
11.05-11.20	822	Sensitive and Selective Detection of HIV DNA on a Polymer Brush Grafted Silicon Surface Adem Zengin*
11.20-11.35	741	Surface Sulfonation of Iron and Chromium Incorporated SBA-15 Mesoporous Structures Fatma BALCI*
11.35-11.50	740	Mesoporous Pillared Silica Clay Synthesis and Titanium Incorporation Fatma BALCI*



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11.50-13.30		
CHAIR	Prof. Dr. Fahrettin YAKUPHANOĞLU	
13.30-13.45	499	Electron Density Calculations of C _n H _n (n=2, 4, 6) molecules Hamd Kareem* , Hanifi Kebiroglu , Sinan Akpınar , Niyazi Bulut
13.45-14.00	127	Excitation energies and dipole transition moments of methoxymethyl peroxy radical Henar Sleman* , Niyazi Bulut
14.00-14.15	496	Synthesis of Lead Fluoroborate and Usability as Flame Retardant Duygu Yılmaz Aydın* , Hatice Kurt , Elif Bilge Kandemir , Metin Gürü
14.15-14.30	280	Influence of Post-Deposition Annealing on The Physical Properties of Copper Oxide (I) Thin Films Doğan Özaslan*
14.30-14.45	711	Natural Bond Orbital Analysis of NOH ₂ ⁺ Molecule Fatih Özkalaycı* , Cahit Orek , Niyazi Bulut
14.45-15.00	705	A Theoretical NMR Calculation of Hydroxyapatite Molecule Zülküf Tünç* , Hanifi Kebiroglu , Ömer Kaygılı , Cengiz Tatar , Bayram Gündüz , Niyazi Bulut
15.00-15.20	COFFEE BREAK	
CHAIR	Prof. Dr. Cengiz TATAR	
15.20-15.35	1056	The Use of Vitamin B2 for Copper Protection: Self-Assembled Monolayer Nanofilms and Corrosion Inhibitor Emel Demir , İbrahim Y. Erdoğan , Ramazan Solmaz*
15.35-15.50	128	Temperature dependent infrared spectroscopy of the methoxymethyl peroxy radical Henar Sleman* , Niyazi Bulut
15.50-16.05	1115	Preparation of functional superporous carbon material derived industrial waste by chemical activation and effects of carbonization temperature and time on surface characteristics Hasan Saygılı* ; Fuat Güzel ; Gülbahar Akkaya Saygılı
16.05-16.20	1082	Preparation and Characterization of a New Self-Assembled Monolayer Film, 5-(4-Dimethylaminobenzylidene)rhodanin: Application for Copper Protection Ramazan Solmaz* , Abdullah Salcı
16.20-16.35	643	Ab initio calculations of the Rg-NO+(X1Σ+): Structure and vibrational frequencies Cahit Orek* , Fatih Özkalaycı , Niyazi Bulut
16.35-16.50	76	Dye, Metal and Water Uptake A Study on Poly(2-Methacrylamidopyridine) Mehmet Mürşit Temüz*
16.50-17.05	284	Novel Polymeric Adsorbent for Water and Dye Uptake: Acrylamide/Sodium Methacrylate/Gelatin Biosorbent Hydrogels



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Semiha Kundakçı*, Erdener Karadağ		
22.10.2017 SUNDAY/PAZAR		
CHAIR	Assoc. Prof. Dr. Ömer KAYGILI	
08.30-08.45	707	Thermal Capacity Calculation of Hydroxyapatite Molecule Zülküf Tünç*, Hanifi Kebiroğlu, Ömer Kaygılı, Cengiz Tatar, Bayram Gündüz, Niyazi Bulut
08.45-09.00	1057	Novel Green and Nano-scaled Thin Films, Rhodanine Self-Assembled Monolayers: Preparation and Characterization Abdullah Salcı*, Ramazan Solmaz
09.00-09.15	712	Hydrogen Migration Study in NO ₂ +H ₂ Reaction Fatih Özkalaycı*, Cahit Örek, Niyazi Bulut
09.15-09.30	245	Natural Bond Orbital Analysis of Hydroxyapatite Molecule Omer Kaygılı*, Cengiz Tatar, Niyazi Bulut, Vahit Gür
09.30-09.45	661	Synthesis and Post-Polymerization Functionalization of Clickable Polypyrrole Derivatives Pınar Çamurlu*, Nese Guven, Zeynep Bıcıl
09.45-10.00	75	Graft Copolymerization of Polystyrene Main and Side Chain with Methacrylamide Mehmet Mürşit Temüz*
10.00-10.15	275	Investigation of Optical Constants of Cu ₂ O Thin Films Obtained by SILAR Method for Photovoltaic Solar Cells Ozge Erken*
10.15-10.20	COFFEE BREAK	
CHAIR	Assoc. Prof. Dr. Canan AKSU CANBAY	
10.20-10.35	415	Detailed Raman Studies in GaAs _{1-x} Bix/GaAs Quantum Well Mustafa Güneş*
10.35-10.50	240	Synthesis and Characterization of Na ₂ O–CaO–SiO ₂ –TiO ₂ –Al ₂ O ₃ Glass–Ceramic Omer Kaygılı*, Cengiz Tatar, Niyazi Bulut, Turan İnce
10.50-11.05	135	Magnetic Vortex Matter Imaging Study with Scanning Hall Probe Microscopy Technique in the FeSeTe superconductor Kübra Çelik*, Ahmet Oral
11.05-11.20	821	Preparation of Molecular Imprinted Nanoparticles for Rapid and Selective Enrichment of Pharmaceutical Active Substance Elvan Ekmen*, Adem Zengin
11.20-11.35	642	Ab initio intermolecular potential energy surfaces of H ₂ –NO ⁺ complex Cahit Örek*, Fatih Özkalaycı, Niyazi Bulut
11.35-11.50	1062	Electrochemical and Thermal Stability of Novel Nano-scaled Aminorhodanine Self-Assembled Monolayer Films on Copper Ramazan Solmaz, Abdullah Salcı, Derya Ozdemir*



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