



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

FUNCTIONAL MATERIAL TECHNOLOGIES

21.10.2017 SATURDAY/CUMARTESİ

FUNCTIONAL MATERIAL TECHNOLOGIES

HALL-K		
	ID No	ARTICLE TITLE
CHAIR	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 Örek, Metin Koparır*
08.45-09.00	199	Material in Design: The Relation of Product and Material in Terms of Design Value Demet Günel Ertaş*, Seçil Şatır
09.00-09.15	75	Graft Copolymerization of Polystyrene Main and Side Chain with Methacrylamide Mehmet Mürşit Temüz*
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 M. 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*, Yasin Yücel
10.00-10.20	COFFEE BREAK	
CHAIR	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 R. Pekbelgin Karaoğlu*, Makbule Burkut Koçak
11.05-11.20	822	Sensitive and Selective Detection of HIV DNA on a Polymer Brush Grafted Silicon Surface A. Zengin*, Y. Akbulut, M. Bilici, E. Turan
11.20-11.35	741	Surface Sulfonation of Iron and Chromium Incorporated SBA-15 Mesoporous Structures S. Balcı*, C. Musaoğlu
11.35-11.50	740	Mesoporous Pillared Silica Clay Synthesis and Titanium Incorporation S. Balcı*, B.Yeter, Fatma Tomul



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

FUNCTIONAL MATERIAL TECHNOLOGIES

11.50-13.30		LUNCH BREAK
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 Mahmood* , Hanifi Kebiroglu, Sinan Akpınar, Niyazi Bulut
13.45-14.00	821	Preparation of Molecular Imprinted Nanoparticles for Rapid and Selective Enrichment of Pharmaceutical Active Substance E.Ekmen* , M. Bilici, A. Zengin
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 D. Özasan* , O. Erken, M.Gunes, C.Gumus
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	245	Natural Bond Orbital Analysis of Hydroxyapatite Molecule Omer Kaygılı* , Cengiz Tatar, Niyazi Bulut, Vahit Gür
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	501	Preparation of Stimuli Responsive Cellulose Membrane for Purification of Lysozyme Mehmet Utku BADAĞ* , Adem ZENGİN, Nahit AKTAŞ
16.35-16.50	284	Novel Polymeric Adsorbent for Water and Dye Uptake: Acrylamide/Sodium Methacrylate/Gelatin Biosorbent Hydrogels Semiha Kundakçı* , Erdener Karadağ



8TH
INTERNATIONAL
ADVANCED TECHNOLOGIES
SYMPOSIUM

FUNCTIONAL MATERIAL TECHNOLOGIES

22.10.2017 SUNDAY/PAZAR

22.10.2017 SUNDAY/PAZAR		
CHAIR	Assoc. Prof. Dr. Ömer KAYGILI	
08.30-08.45	76	Dye, Metal and Water Uptake A Study on Poly(2-Methacrylamidopyridine) Mehmet Mürşit Temüz*
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	1062	Electrochemical and Thermal Stability of Novel Nano-scaled Aminorhodanine Self-Assembled Monolayer Films on Copper Ramazan Solmaz*, Abdullah Salcı, Derya Ozdemir
09.15-09.30	127	Excitation energies and dipole transition moments of methoxymethyl peroxy radical Henar Sleman*, Niyazi Bulut
09.30-09.45	661	Synthesis and Post-Polymerization Functionalization of Clickable Polypyrrole Derivatives Pınar Çamurlu*, Nese Guven, Zeynep Bicil
09.45-10.00	275	Investigation of Optical Constants of Cu ₂ O Thin Films Obtained by SILAR Method for Photovoltaic Solar Cells Ozge Erken*, G. Altındemir, M. Gunes, D. Özaslan, C. Gumus
10.00-10.20	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 G. Söm, Ö. Erken, D. Özaslan, M. Gunes, C. Gumus
10.35-10.50	240	Synthesis and Characterization of Na ₂ O–CaO–SiO ₂ –TiO ₂ –Al ₂ O ₃ Glass–Ceramic Omer Kaygili*, Cengiz Tatar, Niyazi Bulut, Turan İnce
10.50-11.05	1181	Biosensor based on ZnO nanostructure for DNA sequence Recognition A. Dere, F.Yakuphanoglu*
11.05-11.20	1180	Nanostructured Radar Absorbing Materials for Air crafts A. Dere, F.Yakuphanoglu*
11.20-11.35	643	Ab initio calculations of the Rg–NO+(X ₁ Σ ⁺): Structure and vibrational frequencies Cahit Orek*, Fatih Özkalaycı, Niyazi Bulut