

- **THEME A**

Nanomaterials; Nanoparticles, Nanocrystals, Nano-porous Materials,
Molecular and Supramolecular Materials

- **THEME D**

Nanobiotechnology, Nanobiosensors,
Applications of Nanotechnology in Medicine

THEME A:

Nanomaterials; Nanoparticles, Nanocrystals, Nano-porous Materials,
Molecular and Supramolecular Materials

June 28, Tuesday 15:00 – 16:30

SUNUM

P1.A. 1

Study Of Nano-sized Molybdenum (VI) Oxide From A Dioxo-molybdenum(VI) Schiff Base Compound

Iran Sheikhshoae, Shahid Bahonar University of Kerman, Iran

P1.A. 2

The Synthesis of Temperature And pH-Sensitive Nanogels For Hydrophobic Drug Delivery

Gökçen Birlik Demirel, Gazi University, Turkey
Regine von Klitzing, Technical University of Berlin, Germany

P1.A. 3

Comparison Of Optical Properties For SnO₂, SnO₂: F and SnO₂:Sb Films Deposited On Glass Substrates

Güven Turgut, Ataturk University, Turkey
Demet Tatar, Ataturk University, Turkey
Adem Koçyiğit, Iğdır University, Turkey
Ahmet Battal, Mus Alparslan University, Turkey
Bahattin Düzgün, Ataturk University, Turkey

P1.A. 4

Synthesis and Characterization LiCoO₂ and LiNi_{1-x}CoxO₂ For Lithium Ion Batteries

Mehmet Yılmaz, Atatürk University, Turkey
Güven Turgut, Atatürk University, Turkey
Serdar Aydın, Atatürk University, Turkey
Mustafa Tolga Yurtcan, Atatürk University, Turkey
Erdar Sönmez, Atatürk University, Turkey
Ahmet Mavi, Atatürk University, Turkey
Mehmet Ertuğrul, Atatürk University, Turkey

P1.A. 5

Estrada Index Of (3,6) And (4,6)-Fullerenes

Gholamhossein Fathtabar Firouzjaei, University, Iran

P1.A. 6

Synthesis, Characterization and Application of MgO/ZnO Nanocomposite Supported/unsupported On Activated Carbon for Photocatalytic Degradation of Methylene Blue

Mohammad Ali Karimi, Payame Noor University, Iran
Alireza Mohadesi, Payame Noor University, Iran
Hossein Tavallali, Payame Noor University, Iran
Sayed Zia Mohammadi, Payame Noor University, Iran
Abdolhamid Hatefi-Mehrjardi, Payame Noor University, Iran
Asghar Askarpour Kabir, Payame Noor University, Iran
Mahdiyeh Zaydabadi, Payame Noor University, Iran

P1.A. 7

Effect of Powder Loading On the Rheological Behavior of Mg-nano Al₂O₃ Feed Stocks

Sareh Mohammad Taheri, MERC, Iran
Majid Alimadadi, MERC, Iran
Masoud Alizadeh, MERC, Iran
Rahim Yazdani Rad, MERC, Iran
Ebrahim Ghasemi, ICST, Iran

P1.A. 8

The Spectral Moments Of (3,6)-fullerens

Seyed Abbas Seyed Mirzaei, Azad Univ. Of Qom, Iran
Gholamhossein Fathtabar Firouzjaei, University Of Kashan, Iran

P1.A. 9

Szeged and Edge Szeged Polynomial of Some Dendrimers

Mohammad Ali Salahshoor, Azad University, Iran
Gholamhossein Fathtabar Firouzjaei, University of Kashan, Iran

P1.A. 10

Electrocatalytic Oxidation And Determination Of Epinephrine In The Presence Of Uric Acid And Folic Acid At Multiwalled Carbon Nanotubes / Molybdenum(vi) Complex Modified Carbon Paste Electrode

Hadi Beitollahi, High Technology and Environmental Sciences, Iran

Iran Sheikhshoae, Shahid Bahonar University of Kerman, Iran

P1.A. 11

Structural Properties of Monolayer Boron Carbide Nanoribbons under Strain

Yusuf Şimşek, Gazi University, Turkey

Şakir Erkoç, Middle East Technical University, Turkey

P1.A. 12

Magnetic and Dielectric Properties of Mn_{0.2}Co_{0.8}Fe₂O₄ Nanoparticles Synthesized By Hydrothermal Method

Furkan Alan, Fatih University, Turkey

Yüksel Köseoğlu, Fatih University, Turkey

Muhammed Tan, Fatih University, Turkey

Resul Yilgin, Gebze Institute of Technology, Turkey

P1.A. 13

pH Responsive Chitosan Nanoparticles For Cancer Treatments

R. Seda Tıǧlı Aydın, Gazi University, Turkey

Mehlika Pulat, Gazi University, Turkey

P1.A. 14

Production of Cu_{0.94}Ni_{0.06}O Spherical Nanostructured Particles via Ultrasonic Spray Pyrolysis Method

Kamil Burak Dermenci, Istanbul Technical Univ., Turkey

Burçak Ebin, Istanbul Technical University, Turkey

Sebahattin Gürmen, Istanbul Technical Univ., Turkey

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Production of Fe/MgO Nanoparticles with Ultrasonic Spray Pyrolysis (USP) Technique

Çiğdem Toparlı, Istanbul Technical University, Turkey

Burçak Ebin, Istanbul Technical University, Turkey

Sebahattin Gürmen, Istanbul Technical Univ., Turkey

P1.A. 16

Alcohol Based Sol-gel Synthesis of Nanostructured Hydroxyapatite Powder In The Presence Of Sb-12

Feray Bakan, Atatürk University, Turkey

P1.A. 17

Growth Of (ZnO)_x(ZnSe)_y Thin Films By Spray Pyrolysis And Investigations On Their Structural And Optical Properties

Demet Tatar, Atatürk University, Turkey

Feray Bakan, Atatürk University, Turkey

Tuba Öznülüer, Atatürk University, Turkey

Erdal Sönmez, Atatürk University, Turkey

P1.A. 18

Molecular-dynamics Simulations of Silicene Nanoribbons under Strain

Alper Ince, METU Micro and Nanotechnology Department, Turkey

Şakir Erkoç, METU Micro and Nanotechnology Department, Turkey

P1.A. 19

Real- Time Kinetics of Inn Nanodot Growth

Burcu Toydemir, Gebze Institute of Technology, Turkey

Leyla Colakerol, Gebze Institute of Technology, Turkey

Karl Ludwig, Boston Univeristy, USA

P1.A. 20

Magnetic Characterization of Plasma Arc Evaporated Fe Nanoparticles

Onur Tozkoparan, Ankara University, Turkey

Oguz Yildirim, Ankara University, Turkey

Ercument Yuzuak, Ankara University, Turkey

Denis Terin, Saratov State University, Russian

Sergey Venig, Saratov State University, Russian

Eyup Duman, Ankara University, Russian

Ilker Dincer, Ankara University, Turkey

Yalcin Elerman, Ankara University, Turkey

P1.A. 21

Magnetic Characterization of Plasma Arc Evaporated Ni Nanoparticles**Oguz Yildirim**, Ankara University, Turkey**Onur Tozkoparan**, Ankara University, Turkey**Ercument Yuzuak**, Ankara University, Turkey**Denis Terin**, Saratov State University, Russian Federation**Sergey Venig**, Saratov State University, Russian**Eyup Duman**, Ankara University, Turkey**Ilker Dincer**, Ankara University, Turkey**Yalcin Elerman**, Ankara University, Turkey

P1.A. 22

Structural Properties of Zinc Oxide Thin Films Grown On Glasses By Simplified Spray Technique**Serdar Aydın**, Ataturk University, Turkey**Güven Turgut**, Ataturk University, Turkey**Refik Dilber**, Ataturk University, Turkey**Kadir Özaltın**, Süleyman Demirel University, Turkey**Taner Aktan**, Süleyman Demirel University, Turkey**Mehmet Yılmaz**, Ataturk University, Turkey**Mehmet Ertuğrul**, Ataturk University, Turkey

P1.A. 23

Structural and Spectroscopic Properties of Sol-gel Derived Neodymium Doped Yttrium Silicate**Murat Erdem**, Marmara University, Turkey**Cumali Tav**, Marmara University, Turkey**Gönül Özen**, Istanbul Technical University, Turkey

P1.A. 24

Production of Titanium Dioxide Nano Sol via Ball Milling**Başak Aysin**, Middle East Technical University, Turkey**Esra Çorapçı**, Middle East Technical University, Turkey**Jongee Park**, Atılım University, Turkey**Abdullah Öztürk**, Middle East Technical Un., Turkey

P1.A. 25

Synthesis and Characterization of Cu-doped ZnO Nanostructures by Sol-gel Method**Ramazan Oğuzhan Apaydın**, ITU, Turkey**Burçak Ebin**, ITU, Turkey**Sebahattin Gürmen**, ITU, Turkey

P1.A. 26

Spin Coated Thin Film CdSe/zns Quantum Dots for Solar Cell Applications**F. Melda Patan Alper**, Yeditepe University, Turkey**Rabia Ince**, Yeditepe University, Turkey**Hikmet Yukselici**, Yıldız Technical University, Turkey**Ahmet T. Ince**, Yeditepe University, Turkey

P1.A. 27

Computing New Topological Indices of Nanostars**Hossein Rasuli**, Islamic Azad University, Iran**Gholamhossein Fathtabar Firouzjaei**, University of Kashan, Iran

P1.A. 28

Influence of Deposition Time on Tin Oxide Thin Films by APCVD**Fatih Doğan**, Sakarya University, Turkey**Mahmut Özacar**, Sakarya University, Turkey**Hatem Akbulut**, Sakarya University, Turkey**Mehmet Oğuz Güler**, Sakarya University, Turkey**Ramazan Karslıoğlu**, Sakarya University, Turkey

P1.A. 29

Nano-silver Containing Antibacterial Hybrid Coatings**Burcu Oktay**, Marmara University, Turkey**Nilhan Kayaman Apohan**, Marmara University, Turkey

P1.A. 30

Fabrication and Characterization of PVA/4-Vinyl Phenyl Boronic Acid Hybrid Nanofiber**Emre Baştürk**, marmara university, Turkey**M.Vezir Kahraman**, marmara university, Turkey

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Synthesis and Characterization of Colloidal Gold Nanoparticles**Gamze TAN**, Hacettepe University, Turkey**Mehmet Ali ONUR**, Hacettepe University, Turkey

P1.A. 32

Effect of Synthesis Conditions on the Performance Of Nickel Oxide Nanoparticles**Mohammad Reza Kalaie**, Materials and Energy Research Center, Iran**Amir Ali Youzbashi**, Materials and Energy Res. Center, Iran**Ali Meshkot**, Materials and Energy Res. Center, Iran**Kamran Ahmadi**, Materials and Energy Res. Center, Iran

P1.A. 33

Synthesis and Characterization of Fe₃O₄/Ha/Ag Nanoparticles**Gozde Mediha Kamer**, Istanbul Technical Univ., Turkey**Ayca Ozdemir**, Istanbul Technical University, Turkey**Birsen Ozturk**, Istanbul Technical University, Turkey

P1.A. 34

Nanosize Hausmannite (Mn₃O₄): Low Temperature Synthesis, Structural and Morphological Characterization**Emrah Bulut**, Sakarya University, Turkey**Ahmet Örnekk**, Sakarya University, Turkey**Mahmut Özacar**, Sakarya University, Turkey

P1.A. 35

Photoluminescence Characteristics Of a-SiCx:H Films Deposited By Plasma Enhanced Chemical Vapour Deposition**Ibrahim Gunes**, Çanakkale Onsekiz Mart Univ., Turkey**Kivanc Sel**, Çanakkale Onsekiz Mart University, Turkey**Baris Akaoglu**, Ankara University, Turkey

P1.A. 36

Encapsulations of Benzotriazole Corrosion Inhibitors in Holloysisite Nanotubes By Self Assembled Polyelectrolytes And Al³⁺ Ions**S.M.A. Hosseini**, Shahid Bahonar Un. of Kerman, Iran**E. Jamalizadeh**, Shahid Bahonar Un. of Kerman, Iran**A. Khajoi**, Shahid Bahonar University of Kerman, Iran

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Investigation of Some Metal Ions As Stoppers for the Benzotriazole Contained In the Holloysisite Nanotubes**A. Khajoi**, Shahid Bahonar University of Kerman, Iran**E. Jamalizadeh**, Shahid Bahonar Univ. of Kerman, Iran**S.M.A. Hossini**, Shahid Bahonar Univ. of Kerman, Iran

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Synthesis of Vanadium Dioxide Nanoparticles and Preparation of Thin Films**Orkun Durmuş**, Istanbul Technical University, Turkey**Fatma Tepehan**, Istanbul Technical University, Turkey

P1.A. 39

Mussel-inspired Polymer Coating For Catalytic Reduction of Aromatic Nitro Compounds**Dilara Ekiz**, Gazi University, Turkey**Gökhan Demirel**, Gazi University, Turkey

P1.A. 40

Reversible Electrical Reduction and Oxidation of Graphene Oxide**Okan Öner Ekiz**, UNAM, Turkey**Mustafa Ürel**, UNAM, Turkey**Hasan Güner**, UNAM, Turkey**Aykutlu Dana**, UNAM, Turkey

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Self-organized Nanocavities On The Pt/Ge(001) Surface**Avijit Kumar**, Univ. of Twente, Netherlands**Harold J. W. Zandvliet**, Univ. of Twente, Netherlands**Bene Poelsema**, Univ. of Twente, Netherlands

P1.A. 42

Comparison Of Chemical And Electrochemical Reduction Methods For Preparation Of Pt Nanoparticles On Poly(vinylferrocenium)**Mutlu Sönmez Çelebi**, Ordu University, Turkey**Kadir Pekmez**, Hacettepe University, Turkey

P1.A. 43

Use of Taguchi Method to Prediction and Determination Various Factors In Nano-porous Material Growth**Mojtaba Purbafrani**, Amirkabir Univ. of Tech., Iran**Mahdi Mohajeri**, Nanotechnology Center, Iran

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Synthesis and Characterization of Lead Sulfide Nanoparticles**Hassan Karami**, Payame Noor University, Iran**Mina Ghasemi**, Payame Noor University, Iran

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Pulsed Current Electrosynthesis of Palladium Nanoparticles**Hassan Karami**, Payame Noor University, Iran**Akram Khani-Chamani**, Payame Noor University, Iran

P1.A. 46

Thermal Analysis of Silica/pmma Nanocomposites**Ecem Yazar**, Yeditepe University, Turkey**Merve Seyhan**, Yeditepe University, Turkey**Deniz Rende**, Rensselaer Polytechnic Institute, USA**Nihat Baysal**, Rensselaer Polytechnic Institute, USA**Seyda Bucak**, Yeditepe University, Turkey**Rahmi Ozisik**, Rensselaer Polytechnic Institute, USA

P1.A. 47

Rheological Behaviour of Nano Alumina-Zircon Feedstocks Used for CIM**Somaye Ghaffari**, Materials and Energy Res. Center, Iran**Masoud Ghaffari**, Materials and Energy Res. Center, Iran**Keivan Asadian**, Materials and Energy Res. Center, Iran**Touraj Ebadzade**, Materials and Energy Res. Center, Iran

P1.A. 48

Removal of Rhodamine-b Dye from Waste Water by Using Magnetic Polysulfone Microcapsules Containing Tributyl Phosphate**Betul Ertekin**, Nevsehir University, Turkey**Hilal Incebay**, Nevsehir University, Turkey**Ugur Kabadayi**, Nevsehir University, Turkey**Selma Beytar**, Nevsehir University, Turkey

P1.A. 49

Cibacron Blue F3ga Incorporated Poly (2- Hydroxyethyl Methacrylate) Nanobeads For Alpha-amylase Adsorption**Yeşim Özcan**, Ege University, Turkey**Emir Özçalışkan**, Ege University, Turkey**Sinan Akgöl**, Ege University, Turkey**Adil Denizli**, Hacettepe University, Turkey

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Ni_{0.5}Zn_{0.5}Cr_{0.5}Fe_{1.5}O₄ Nanoparticles Synthesized By PEG-assisted Hydrothermal Method**Muhammed Tan**, Fatih University, Turkey**Yüksel Köseoğlu**, Fatih University, Turkey**Furkan Alan**, Fatih University, Turkey**Mustafa Öztürk**, Gebze Institute of Technology, Turkey**Resul Yılgin**, Gebze Institute of Technology, Turkey

P1.A. 51

Properties of TiO₂ Thin Film Deposited By Chemical Spray Pyrolysis Technique**Halil ibrahim Yeter**, Erzincan University, Turkey**Ali Ercan Ekinci**, Erzincan University, Turkey**Sibel Morkoç Karadeniz**, Erzincan University, Turkey**Demet Tatar**, Atatürk University, Turkey**Mehmet Ertuğrul**, Atatürk University, Turkey

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Properties of WO₃ Thin Film Deposited At 400 °C By Chemical Spray Pyrolysis Technique**Sibel Morkoç Karadeniz**, Erzincan University, Turkey**Ali Ercan Ekinci**, Erzincan University, Turkey**Demet Tatar**, Atatürk University, Turkey**Mehmet Ertuğrul**, Atatürk University, Turkey

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Characterization and Immobilization of Bovine Serum Albumin on Tannic Acid Modified Magnetite Nanoparticles**Keziban Atacan**, Sakarya University, Turkey**Semra Yilmazer Keskin**, Sakarya University, Turkey**Emrah Bulut**, Sakarya University, Turkey

P1.A. 54

Growth and Characterization of ZnO Thin Films Doped With Vanadium**Emrah Sarica**, Canakkale Onsekiz Mart Univ., Turkey**Barbaros Demirselcuk**, Canakkale Onsekiz Mart University, Turkey**Vildan Bilgin**, Canakkale Onsekiz Mart Univ., Turkey

P1.A. 55

Computational Investigation of Poisson Ratio In Graphene And Cubic Diamond, A Brief Comparison Berkcan Gökçe, Middle East Technical University, Turkey**Hande Toffoli**, Middle East Technical University, Turkey**Oğuz Gülseren**, Bilkent University, Turkey

P1.A. 56

Self-assembly Of Peptide Nanostructures By Atomic Layer Deposition**Çağla Özgüt**, UNAM, Bilkent University, Turkey**Handan Acar**, UNAM, Bilkent University, Turkey**İnci Dönmez**, UNAM, Bilkent University, Turkey**Mustafa Ö. Güler**, UNAM, Bilkent University, Turkey**Necmi Bıyıklı**, UNAM, Bilkent University, Turkey

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Optical Properties of Self-assembled MPS Capped ZnS Quantum Dots Thin Films**Kenan Koç**, Yıldız Technical University, Turkey**Fatma Tepehan**, Istanbul Technical University, Turkey**Galip Tepehan**, Kadir Has University, Turkey

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The Vertex Padmakar-ivan Index Of Dendrimer**Mojtaba Bahramian Hoonejani**, University of Kashan, Iran

P1.A. 59

Electrical and Surface Properties Of Zn1-xfexo Thin Films**Seren Turkyilmaz**, Canakkale Onsekiz Mart Un., Turkey**Fatma Ozutok**, Canakkale Onsekiz Mart Un., Turkey**Vildan Bilgin**, Canakkale Onsekiz Mart Un., Turkey

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Growing Of ZnO Thin Films on Different Substrate Materials**Kenan Çiçek**, Ardahan University, Turkey**Tevhit Karacalı**, Ataturk University, Turkey

P1.A. 61

Electrical and Optical Characterization of Zinc Sulphide Thin Films**Vildan Bilgin**, Canakkale Onsekiz Mart Univ., Turkey**Kivanc Sel**, Canakkale Onsekiz Mart Univ., Turkey**Utku Ozenir**, Canakkale Onsekiz Mart Univ., Turkey**İlyas Erdem**, Canakkale Onsekiz Mart Univ., Turkey**Erhan Tiryaki**, Canakkale Onsekiz Mart Univ., Turkey

P1.A. 62

The Melting Behaviour of Pt-Au Core-shell Nanoparticles with Different Structures**Serkan Kaya**, Pamukkale University, Turkey**Sevgi Özdemir Kart**, Pamukkale University, Turkey

P1.A. 63

Suprofen Incorporated UV Responsive Liposomes**Birsan Demirbag**, BIOMATEN, METU, Turkey**Vasif Hasirci**, BIOMATEN, METU, Turkey

P1.A. 64

Synthesis of Zno Nanorods Depending On Hmta and Nitrate Concentrations**Doğan Ulusoy**, Gebze Institute of Technology, Turkey**Sadullah Öztürk**, Gebze Institute of Technology, Turkey**Necmettin Kılınç**, Gebze Institute of Technology, Turkey**Zafer Ziya Öztürk**, Gebze Institute of Techn., Turkey

P1.A. 65

Magnetic Properties of Mn_{0.4}Ni_{0.6}Fe₂O₄ Nanoparticles Synthesized By PEG Assisted Hydrothermal Method**Mehmet Bay**, Bahcesehir University, Turkey**Yüksel Koseoglu**, Fatih University, Turkey**Muhammed Tan**, Fatih University, Turkey

P1.A. 66

The Reduction of Gold and Silver Nanoparticles on the Surface of Electrochemical Modified Polymer**Remziye Güzel**, University, Turkey**Haslet Ekşi**, University, Turkey**Ali Osman Solak**, University, Kyrgyzstan**Zafer Üstündağ**, University, Turkey

P1.A. 67

Polyethylenimine - Starch Nanospheres for Cancer Gene Therapy**Berke Bilgenur Kandemir**, METU., Turkey**Bülent Özpolat**, University of Texas, USA**Gamze Torun Köse**, Yeditepe University, Turkey**Vasıf Hasırcı**, Middle East Technical University, Turkey

P1.A. 68

Room Temperature Synthesis of Nanoporous Organically Modified Silica Thin Films on Flexible Substrates**Adem Yildirim**, Bilkent Üniversitesi, Turkey**Hülya Budunoğlu**, Bilkent Üniversitesi, Turkey**Mecit Yaman**, Bilkent Üniversitesi, Turkey**Mustafa O. Güler**, Bilkent Üniversitesi, Turkey**Mehmet Bayındır**, Bilkent Üniversitesi, Turkey

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Fluorinated Mesoporous Silica Nanoparticles for Liquid Marble Formation and Superhydrophobic Surfaces**Bihter Dağlar**, Bilkent University, Turkey**Adem Yildirim**, Bilkent University, Turkey**Hülya Budunoğlu**, Bilkent University, Turkey**Hakan Deniz**, Bilkent University, Turkey**Mehmet Bayındır**, Bilkent University, Turkey

P1.A. 70

Synthesis of Lead Free Piezo Electric Potassium-sodium Bismuth Titanate**Eda Akbulut**, Ataturk University, Turkey**Mehmet Ertuğrul**, Ataturk University, Turkey**Ayşe Sultan Özarslan**, Ataturk University, Turkey

P1.A. 71

Magnetic Fe₃O₄-chitosan Nanoparticles for Drug Delivery**Deniz Akin**, Afyon Kocatepe University, Turkey**Arzu Yakar**, Afyon Kocatepe University, Turkey

P1.A. 72

The Effect of Laser Field on Low Dimensional Semiconductor Heterostructures**Figen K .Boz**, Trakya University, Turkey

THEME D:

Nanobiotechnology, Nanobiosensors,
Applications of Nanotechnology in Medicine

June 28, Tuesday 15:00 – 16:30

SUNUM

P1.D. 1

Preparation Chitosan Nanoparticles as a Drug Delivery System

Eshrat Gharaei-Fathabad, University, New Zealand
Raida Al-Kassas, University, New Zealand

P1.D. 2

Protein Conjugated Iron Oxide Nanoparticles for Magnetic Resonance Imaging

Selim Sülek, Unam, Turkey
Mustafa Özgür Güler, Unam, Turkey

P1.D. 3

Preparation of Au @ Ag, Ag@Au Core-shell Bimetallic Nanoparticles for Determination of E.coli

Haslet Ekşi, Ankara University, Turkey
Remziye Güzel, Ankara University, Ankara, Turkey
Ali Osman Solak, Kyrgyz-Turk Manas Un., Kyrgyzstan
İsmail Hakkı Boyacı, Hacettepe Un., Ankara, Turkey

P1.D. 4

Multi-wall Carbon Nanotubes as A Sensor and Ferrocene as Mediator for Voltammetric Determination of Acetylcysteine

Mohsen Keyvanfard, Islamic Azad University, Iran
Khadijeh Alizad, Islamic Azad University, Iran
Hasan Karimi-Maleh, Islamic Azad University, Iran

P1.D. 5

Electrochemical Determination of Carbaryl Pesticide Based On Inhibition of Acetylcholinesterase Enzyme Immobilized On Self Assembled Monolayer on Gold Electrode

Abdolhamid Hatefi-Mehrjerdi, Payame Noor Un., Iran
Mohammad Ali Karimi, Payame Noor University, Iran
Hamed Ghasemi, Payame Noor University, Iran

P1.D. 6

Evaluation of Current Viability Assays For Toxicity Assessment of Gold and Silver Nanoparticles

Mine Altunbek, Yeditepe University, Turkey
Mustafa Çulha, Yeditepe University, Turkey

P1.D. 7

Investigation of Cellular Morphology on Nanopatterned Chitosan Membranes via Electrospinning

Murat Şimşek, Hacettepe University, Turkey
Merve Çapkın, Hacettepe University, Turkey
Ayşe Karakeçili, Ankara University, Turkey
Menemşe Gümüşderelioğlu, Hacettepe University, Turkey

P1.D. 8

Self Assembly of Carbon Nanotubes Using Dna Tiles

Ali Yasin Sonay, Yeditepe University, Turkey
Sevcay Ayaksız, Yeditepe University, Turkey
Seda Demir, Yeditepe University, Turkey
Mustafa Çulha, Yeditepe University, Turkey

P1.D. 9

Size-controlled Synthesis and Characterization of Nickel Ferrite Nanoparticles Suitable for Magnetic Fluid Hyperthermia

Ebru Şişman, Hacettepe University, Turkey
Tezer Fırat, Hacettepe University, Turkey

P1.D. 10

Liposomal Delivery Of Poly I:C On Sensitive And 1000dox Resistant Cancer Cell Lines

Rouhollah Khodadust
Murat Erdem
Ufuk Gunduz

P1.D. 11

Preparation of a Gold Nanoparticle Based Controlled Release Nanocarrier

Esen Efeoğlu, Yeditepe University, Turkey

Ali Yasin Sonay, Yeditepe University, Turkey

Zehra Yılmaz, Yeditepe University, Turkey

İpek Çeliksöz, Yeditepe University, Turkey

Mustafa Çulha, Yeditepe University, Turkey

P1.D. 12

Identifying Molecular Composition Of Exosomes Using Raman Spectroscopy

Ahmet Burak Çağlayan, Yeditepe University, Turkey

Ali Yasin Sonay, Yeditepe University, Turkey

Sami Ağuş, Yeditepe University, Turkey

Mustafa Çulha, Yeditepe University, Turkey

P1.D. 13

Histidine Determination by Functionalized Silver Nanoparticles In The Presence Of Cu²⁺

Can Serkan Keskin, Sakarya University, Turkey

Abdil Özdemir, Sakarya University, Turkey

P1.D. 14

Manipulation of Silver Nanoparticles and Proteins In A Droplet Under Tension For Sers

Sercan Keskin, Yeditepe Üniversitesi, Turkey

Mine Altunbek, Yeditepe Üniversitesi, Turkey

Mustafa Çulha, Yeditepe Üniversitesi, Turkey

P1.D. 15

Electrical Properties of Chitosan Thin Film on Glass Substrate and Potential Application Of Humidity Sensor

Çiğdem Serdengeçti, Ege University, Turkey

Fevzi Sümer, Ege University, Turkey

Hande Sözbilen, Ege University, Turkey

Ömer Mermer, Ege University, Turkey

Yoldaş Seki, Ege University, Turkey

P1.D. 16

Preparation of A Pyrrole Branched-chitosan-gold Bionanocomposite For The Construction Of Glucose Biosensor

Mehmet ŞENEL, Fatih University, Turkey

İbrahim Bozgeyik, Fatih University, Turkey

Mustafa Fatih Abasıyanık, Fatih University, Turkey

Cevdet Nergiz, Fatih University, Turkey

P1.D. 17

Influence of Charge Reduction and Partial Hydrophobization on Gene Delivery Efficiency of High Molecular Weight Polyethylenimine Nanoparticles

Reza Kazemi Oskuee, Mashhad University, Iran

Mohammad Ramezani, Mashhad University, Iran

Ali Dehshahri, Shiraz University, Iran

Wyne Shier, University Of Minnesota-Twin Cities, USA

P1.D. 18

Preparation and Chracterization of Testosterone Specific Molecular Imprinted Polymeric Nanoparticles

Emir Özçalışkan, Ege University, Turkey

Müşerref Caka, Ege University, Turkey

Sinan Akgöl, Ege University, Turkey

P1.D. 19

Chitosan Based Nanoparticles for Cardiovascular System Therapies

Doğa Kavaz, Hacettepe University, Turkey

Damla Türkay, Hacettepe University, Turkey

Murat Demirbilek, Hacettepe University, Turkey

Mehmet Ali Onur, Hacettepe University, Turkey

Hürkan Kurşaklıoğlu, Gülhane Military Medical Academy, Turkey

Emir Baki Denkbaş, Hacettepe University, Turkey

P1.D. 20

Folic Acid Attached-phbv Nanoparticles for Targeted Cancer Therapy

Esma Alp, Hacettepe University, Turkey

Tamer Çırak, Aksaray/Hacettepe University, Turkey

Emir Baki Denkbaş, Hacettepe University, Turkey

Eylem Güven, Hacettepe University, Turkey

P1.D. 21

In Vitro Cytotoxicity of Metal Oxide Nanoparticles on Mesenchymal Stem Cells**Şükran Şeker**, Ankara University, Turkey**Tuğrul Yumak**, Ankara University, Turkey**Ali Sınağ**, Ankara University, Turkey**Murat Elçin**, Ankara University, Turkey

P1.D. 22

Immobilization of Lysozyme onto Tannin Functionalized Magnetite Nanoparticles**Keziban Atacan**, Sakarya Üniversitesi, Turkey**Semra Yilmazer Keskin**, Sakarya Üniversitesi, Turkey**Emrah Bulut**, Sakarya Üniversitesi, Turkey**Mahmut Özacar**, Sakarya Üniversitesi, Turkey

P1.D. 23

Reversible Immobilization Of Urease Onto Reactive Red 120-Ni(ii) Attached Poly(hema) Nanoparticles**Ceren Türkcan**, Ege University, Turkey**R. Hilal Şenay**, Ege University, Turkey**Sinan Akgöl**, Ege University, Turkey

P1.D. 24

Synthesis of Chitosan-iron Oxide Nanoparticles for Targeted Drug Delivery and Their Characterization**Gözde Ünsoy**, Metu, Turkey**Ufuk Gündüz**, Metu, Turkey**Güngör Gündüz**, Metu, Turkey

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Fabrication of Electrospun and Ion Implanted Chitosan/pdlg Composites for Biomedical Applications**Secil Kurtalan**, Ege University, Turkey**Emel Sokullu Urkac**, Ege University, Turkey**Erdem Turanlı**, Ege University, Turkey**Ahmet Oztarhan**, Ege University, Turkey

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Micropatterning of Bovine Serum Albumin on Polyelectrolyte-coated Glass Substrates**Mustafa Ozmen**, Selcuk University, Turkey**Mustafa Ersoz**, Selcuk University, Turkey

P1.D. 27

Genotoxicity of Lecithin/chitosan Nanoparticles In Human Lymphocytes Assessed By The Alkaline Comet Assay**Recep Yeşilöz**, Hacettepe University, Turkey**Gökçe Taner**, Gazi University, Turkey**Taner Şenyiğit**, Ege University, Turkey

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Antibacterial and Surface Characterizations of Hybrid Ion Implanted Ptfе Samples For Vascular Graft Applications**Senem Öngel**, Ege University, Turkey**Emel Sokullu Urkaç**, Ege University, Turkey**Ahmet Öztarhan**, Ege University, Turkey

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An In Vitro Study on Influence of Biomocaromolecules on Carbon Nanotube Cytotoxicity**Sinan Sabuncu**, Yeditepe Üniversitesi, Turkey**Mine Altunbek**, Yeditepe Üniversitesi, Turkey**Mustafa Çulha**, Yeditepe Üniversitesi, Turkey

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Isoelectric Point Of Deoxyribonucleic Acid from Calf Thymus**Senem YETGİN**, Izmir Institute of Technology, Turkey**Devrim BALKÖSE**, Izmir Institute of Technology, Turkey

P1.D. 31

Preparation of PLGA Coated Magnetite Nanoparticles for Anti-cancer Drug Delivery**Gülistan Tansik**, Metu, Turkey**Arzu Yakar**, Afyon Kocatepe University, Turkey**Ufuk Gündüz**, Metu, Turkey

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Adhesive Peptide Nanofibers for Metal Implant Biofunctionalization**Samet Kocabey**, UNAM/NBT, Turkey**Turan Selman Erkal**, UNAM/BML, Turkey**Hakan Ceylan**, UNAM/NBT, Turkey**Ayşe Begüm Tekinay**, UNAM, Turkey**Mustafa Ozgur Guler**, UNAM, Turkey

P1.D. 33

Bactericidal and Osseointegrative Modifications of Anodized Titanium**Nazlı Çalışkan**, Hacettepe University, Turkey**Cem Bayram**, Hacettepe University, Turkey**Kristina Riehemann**, Hacettepe University, Turkey**Zeynep Karahaliloğlu**, Hacettepe University, Turkey**Emir Baki Denkbaş**, Hacettepe University, Turkey

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Strontium Incorporated Titania Nanotubes for Hard Tissue Applications**Gökçe Bozokalfa**, Hacettepe University, Turkey**Cem Bayram**, Hacettepe University, Turkey**Eda Yalçın**, Hacettepe University, Turkey**Murat Demirbilek**, Hacettepe University, Turkey**Emir Baki Denkbaş**, Hacettepe University, Turkey

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Cytotoxicity and Genotoxicity Studies of Various Silver Nanoparticles on Multiple Cell Types in Vitro On The Basis Of Wound Healing**Fatma Melis Uslu**, Yeditepe University, Turkey**Mustafa Çulha**, Yeditepe University, Turkey

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The Dental Resin-based Luting Cement Enriched With Nanotitania Particles**Gökçe Bozokalfa**, Hacettepe University, Turkey**Tayfun Vural**, Hacettepe University, Turkey**İldem Ceylan**, Hacettepe University, Turkey**Berrin Dayangaç**, Hacettepe University, Turkey**Emir Baki Denkbaş**, Hacettepe University, Turkey

P1.D. 37

Synthesis and In Vitro Application of Pegylated Magnetic Nanoparticles for Anti-cancer Drug Delivery**Tugba Keskin**, Middle East Technical University, Turkey**Arzu Yakar**, Middle East Technical University, Turkey**Ufuk Gunduz**, Middle East Technical University, Turkey

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Analysis of Structural Features of Human Tooth Using Raman Spectroscopy and Surface-enhanced Raman Scattering**Ertuğ Avcı**, Yeditepe University, Turkey**Mustafa Çulha**, Yeditepe University, Turkey

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Growth Inhibition Of SK-MEL-30 Human Melanoma Cells By Antisense C-myc Oligonucleotides Delivered By Poly(n-isopropylacrylamide)/ Poly(ethyleneimine) Copolymer**Sevil Dincer**, Yıldız Technical University, Turkey**Ela Kırşac Ozkay**, Hacettepe University, Turkey**Ayşe Kevser Piskin**, Hacettepe University, Turkey

P1.D. 40

The Effect of Liposome Phospholipid Content on the Formation of Tethered Bilayer Lipid Membranes**Basak Turken**, ITU, Turkey**Fatih Inci**, ITU, Turkey**Fatma Nese Kok**, ITU, Turkey

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Preparation Of Poly(glycidylmethacrylate)-grafted Superparamagnetic Iron Oxide Nanoparticles And Its Biosensor Application**Emre Çevik**, Fatih University, Turkey**Mehmet Şenel**, Fatih University, Turkey**Abdülhadi Baykal**, Fatih University, Turkey**Mustafa Fatih Abasıyanık**, Fatih University, Turkey

P1.D. 42

Tin Oxide Nanoparticles Modified Graphite Sensors For Dna Analysis**Mihrican Muti Erdem**, Adnan Menderes Univ., Turkey**Arzum Erdem**, Ege University, Turkey**Ayfer Caliskan**, Ege University, Turkey**Ali Sinag**, Ankara University, Turkey**Tugrul Yumak**, Ankara University, Turkey

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One-pot And Efficient Synthesis Of Triazolo[1,2-a]indazole-triones Via Reaction Of Aryl Aldehydes With Urazole And Dimedone Catalyzed By Silica Nanoparticles Prepared Of Rice Husk

Hooshang Hamidian, Payame Noor Un. (PNU), Iran

Samieh Fozooni, Shahid Bahonar University, Iran

Asadollah Hassankhani, High Technology and Environmental, Iran

Seyd Zia Mohammadi, Payame Noor Un. (PNU), Iran

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Development of Mass Sensitive Biosensors via Electrospun Nanofibers

Didem Rodoplu, Hacettepe University, Turkey

Mehmet Mutlu, Hacettepe University, Turkey

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The Application of Multiwalled Carbon Nanotube Modified Screen-printed Electrodes for Electrochemical Monitoring Of DNA Hybridization

Hakan Karadeniz, Ege Un. Fac. of Pharmacy, Turkey

K. Arzum Erdem, Ege Un. Fac. of Pharmacy, Turkey

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Production of Bioglass Added Ceramic Beads by Using Metal Ion Doped Calcium Phosphate Based Nanoparticles for Biomaterial Applications

Ayşegül Akyürekli, Anadolu University, Turkey

Hatice Sıla Apaydın, Anadolu University, Turkey

Mevlüt Gürbüz, Anadolu University, Turkey

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Formation of Bioactive Surfaces by Using Bioglass and Calcium Phosphate Based Nano Powders

Hatice Sıla Apaydın, Anadolu University, Turkey

Ayşegül Akyürekli, Anadolu University, Turkey

Mevlüt Gürbüz, Anadolu University, Turkey

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Estrone Specific Molecularly Imprinted Polymeric Nanospheres: Synthesis, Characterization and Applications in Electrochemical Sensor

Raziye Hilal Senay, Ege University, Turkey

Ceren Turkcan, Ege University, Turkey

Pembe Ece Canavar, Ege University, Turkey

Gulsah Congur, Ege University, Turkey

Sinan Akgol, Ege University, Turkey

Arzum Erdem, Ege University, Turkey

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Synthesis of Gold Nanorod-loaded Thermoresponsive Copolymer for Laser Triggered Drug Release

Milad Ghadami Yazdi, Royal Institute of Tech., Sweden

Fei Ye, Royal Institute of Technology, Sweden

Muhammet Toprak, Royal Institute of Tech., Sweden

Mamoun Muhammet, Royal Institute of Tech., Sweden

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Miniature Ingestible Antenna for Medical Applications

Fatma Zengin, Gebze Institute of Technology, Turkey

Eren Akkaya, Tübitak UEKAE, Turkey

S. Eren San, Gebze Institute of Technology, Turkey

Bahattin Türetken, Tübitak UEKAE, Turkey

P1.D. 51

Characterization of Organically Coated Gold-magnetite (Au-Fe₃O₄) Hybridnanoparticles as Potential Superparamagnetic Contrast Agents for MRI

Evrin Umut, Hacettepe Üniversitesi, Turkey

Francesco Pineider, Università degli Studi di Firenze, Italy

Claudio Sangregorio, Università degli Studi di Firenze, Italy

Maurizio Corti, Università degli Studi di Pavia, Italy

Fügen Tabak, Hacettepe Üniversitesi, Turkey

Alessandro Lascialfari, Università degli Studi di Pavia, Italy

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The Role of Liposomes in Cancer Therapy**Gamze Güney**, Anadolu University, Turkey**H. Mehtap Kutlu**, Anadolu University, Turkey**Gökhan Dikmen**, Anadolu University, Turkey

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Preparation, Characterization and Controlled Release Properties of Ibuprofen Loaded Hpmc Microparticles**Şeyda Sevgül Akmehmet**, Yildiz Technical Un., Turkey**Sennur Deniz**, Yildiz Technical University, Turkey

P1.D. 54

The Detection of Staphylococcal Enterotoxin B (SEB) Based on Thiolated Antibodies by Atomic Force Microscopy (afm)**Deniz Ertürkan**, Middle East Technical Univ., Turkey**Haluk Külâh**, Middle East Technical University, Turkey**Canan Özgen**, Middle East Technical University, Turkey**Alpaslan Alp**, Hacettepe University, Turkey**Gülşen Haşcelik**, Hacettepe University, Turkey

P1.D. 55

Antioxidant Ultradeformable Liposomes Based On Blueberry Extracts**Jorge A M Montanari**, National Un. of Quilmes, Argentina**Emilse Padin**, National Un. of Quilmes, Argentina**Emanuel Mensi**, National Un. of Quilmes, Argentina**Maria E. Vera**, National Un. of Quilmes, Argentina**Maria J. Morilla**, National Un. of Quilmes, Argentina**Eder L. Romero**, National Un. of Quilmes, Argentina

P1.D. 56

Fast Biosynthesis of Silver And Gold Nanoparticles by Microwave Irradiation**Hasan Ümit Öztürk**, Tubitak, Turkey**Güldem Utkan**, Turkey**Aziz Akın Denizci**, Turkey**Dilek Kazan**, Marmara University Faculty, Turkey

P1.D. 57

Iron Oxide Nanoparticles Supported Melamine Sulfonic Acid As Hetrogenous Nano Acidic Catalyst In The Three Component One-pot Synthesis Of 3,4-Dihydropyrimidiones**Ali Reza Kiasat**, Shahid Chamran University, Iran**Nargess Abdollahi Abdollahi**, Shahid Chamran University, Iran

P1.D. 58

Biomedical Use of Nano-micro Bubbles Produced By Hydrodynamic Cavitation**Zeynep Itah**, Sabanci University, Turkey**Muhsincan Sesen**, Sabanci University, Turkey**Ozlem Oral**, Sabanci University, Turkey

P1.D. 59

Peptide Scaffolds for Neural Differentiation**Busra Mammadov**, UNAM - Bilkent University, Turkey**Ayşe Begüm Tekinay**, UNAM - Bilkent University, Turkey**Mustafa Ozgur Guler**, UNAM - Bilkent Uni., Turkey

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GAG-mimetic Peptide Nanofiber Scaffolds For Tissue Engineering Applications**Rashad Mammadov**, UNAM, Turkey**Zeliha Soran**, UNAM, Turkey**Seher Üstün**, UNAM, Turkey**Ayşe Begüm Tekinay**, UNAM, Turkey**Mustafa Özgür Güler**, UNAM, Turkey

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Phase Behavior and Morphology of Phospholipid Langmuir-blodgett Monolayers**Derya Kose**, Izmir Institute of Technology, Turkey**Deniz Binici**, Izmir Institute of Technology, Turkey**Salih Okur**, Izmir Institute of Technology, Turkey**Ekrem Ozdemir**, Izmir Institute of Technology, Turkey**Sevgi Kilic Ozdemir**, Izmir Institute of Tech., Turkey

P1.D. 62

Optimization Of Poly(ethylene Glycol) Density For Preparation Of Blood-compatible Material**Yaprak Ozbakir**, Izmir Institute of Technology, Turkey**Melis Beceren**, Izmir Institute of Technology, Turkey**Salih Okur**, Izmir Institute of Technology, Turkey**Ekrem Ozdemir**, Izmir Institute of Technology, Turkey**Sevgi Kilic Ozdemir**, Izmir Institute of Tech., Turkey

P1.D. 63

A Novel Water – Based Solvent System for Electrospun Gelatin Nanofibers**Ece Yapaşan Ince**, İzmir Yüksek Teknoloji Ens., Turkey**Aylin Ögünç**, Dokuz Eylül Üniversitesi, Turkey

P1.D. 64

DNA Hypermethylation Analysis Based On Electrochemical DNA Biosensor in Real Samples**Seda Nur Topkaya**, Ege University, Turkey**Dilşat Özkan Ariksoysal**, Ege University, Turkey**Buket Kosova**, Ege University, Turkey**Mehmet Şengün Özsöz**, Ege University, Turkey

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Comparison of Modeling Techniques Used For Small Additives And Ligands In Polymeric- And Biomolecules**Tuğba Arzu Özal**, Kadir Has University, Turkey

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Autophagy-regulating Mir-b As A Novel Nanoparticle Deliverable Drug**Gözde Korkmaz**, Sabanci University, Turkey**Carlos le Sage**, The Netherlands Cancer Institute, Netherlands**Reuven Agami**, The Netherlands Cancer Institute, Netherlands**Devrim Gozuacik**, Sabanci University, Turkey

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Metallothionein for Biosensor Applications**Erhan BAL**, Sabanci University, Turkey**Mert AYDIN**, Sabanci University, Turkey**Zehra SAYERS**, Sabanci University, Turkey

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Studying the effect of cyclodextrin on enhancing the solubility of silver sulphadiazine**Aisha Higazy**, National Research Center, Egypt**Samar Sharaf**, National Research Center, Egypt**Gena EL-Feky**, National Research Center, Egypt**Amira El Shafei**, National Research Center, Egypt

P1.D. 69

Formulation and Evaluation of Repaglinide in Nanosized Drug Delivery Systems**Sherif Abu-Elyazid**, October University, Egypt**Gina El-Feky**, National Research Center , Egypt**Fathy Abd Allah**, El Asher University, Egypt

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Characterization of Chitosan Based Hybrid Nanofiber Scaffolds for Tissue Engineering**Elfide Yilmaz**, Ege University, Turkey**Melis Olcum**, Ege University, Turkey**Ersin Oguz Koylu**, Ege University, Turkey**Aylin Sendemir Urkmez**, Ege University, Turkey

- **THEME A**

Nanomaterials; Nanoparticles, Nanocrystals,
Nano-porous Materials, Molecular and Supramolecular Materials

- **THEME B**

Nanotubes, Nanowires

- **THEME C**

Nanomembranes, Nanostructures with catalytic properties,
Electro-chemical materials

THEME A:

Nanomaterials; Nanoparticles, Nanocrystals, Nano-porous Materials,
Molecular and Supramolecular Materials

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SUNUM

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The Transmission Coefficient in One-dimensional Semiconductor Nanostructures

Saban Aktas, Trakya Üniversitesi, Turkey

P2.A. 2

Omega, Sadhana and π -Polynomial of Isomeres C80 Fullerenes

Ali Iranmanesh, Tarbiat Modares University, Iran

Maryam Rafeipour, Tarbiat Modares University, Iran

P2.A. 3

Calculation of Flory-huggins Interaction Parameters and Interaction Energies between Hard and Soft Segments In Segmented Copolymers By Dft And Md Methods

Erol Yildirim, Istanbul Technical University, Turkey

Mine Yurtsever, Istanbul Technical University, Turkey

P2.A. 4

Synthesis and Characterization Of Nano Nickel Borate
Ertuğrul Olgun, Atatürk University, Turkey

Eda Keleş, Atatürk University, Turkey

Ayşe Bayrakçeken, Atatürk University, Turkey

A.Kadir Özer, Atatürk University, Turkey

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Surfactant Assisted Synthesis and Characterization Of Silica Nanoparticles

Eda Keleş, Atatürk University, Turkey

Ayşe Bayrakçeken, Atatürk University, Turkey

A.Kadir Özer, Atatürk University, Turkey

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Production and Characterization of Zn_{1-x}CoxO Films
Ferhunde Atay, Eskişehir Osmangazi Üniversitesi, Turkey

Olcaç Gençyılmaz, Eskişehir Osmangazi Ü., Turkey

İdris Akyüz, Eskişehir Osmangazi Ün., Turkey

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Deposition of Ito Thin Films by Thermoionic Vacuum Arc (TVA) Technique

Saliha Elmas, Eskişehir Osmangazi Üniversitesi, Turkey

Naci Ekem, Eskişehir Osmangazi Üniversitesi, Turkey

Suat Pat, Eskişehir Osmangazi Üniversitesi, Turkey

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Deposition of SnO₂ Thin Film by Silar Method

Turan Taşköprü, Anadolu Üniversitesi, Turkey

Hilal Rüzgar, Anadolu Üniversitesi, Turkey

Muhsin Zor, Anadolu Üniversitesi, Turkey

Metin Kul, Anadolu Üniversitesi, Turkey

Ahmet Şenol Aybek, Anadolu Üniversitesi, Turkey

Evren Turan, Anadolu Üniversitesi, Turkey

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Some Physical Properties of Deposited ZnO Thin Films By Rf Sputter At Various Concentrations

Murat Nebi, Eskişehir Osmangazi Üniversitesi, Turkey

Naci Ekem, Eskişehir Osmangazi Üniversitesi, Turkey

Suat Pat, Eskişehir Osmangazi Üniversitesi, Turkey

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SiO₂-ZrO₂ Multilayer Ar Coatings Of Lenses By Thermionic Vacuum Arc (TVA) Technique

Sinan Temel, Eskişehir Osmangazi Üniversitesi, Turkey

Naci Ekem, Eskişehir Osmangazi Üniversitesi, Turkey

Suat Pat, Eskişehir Osmangazi Üniversitesi, Turkey

P2.A. 11

Fabrication of Mullite-zirconia Nanocomposite Parts By Injection Molding**Somaye Ghaffari**, Materials and Energy Res. Center, Iran**Masoud Alizade**, Materials and Energy Res.Center, Iran**Keivan Asadian**, Materials and Energy Research Center, Iran**Touraj Ebadzade**, Materials and Energy Res. Center, Iran

P2.A. 12

Interpolymer Complexes of Polyallylamine And Polymethacrylic Acid Nanogels In Aqueous Solutions**Amir Sepehrianazar**, Islamic Azad University, Iran**Aynur Manzak**, Sakarya University, Turkey**Mahnaz Gadery**, Islamic Azad University, Iran

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Synthesis, Structure of Pre-intercalated Polyallylamine-clay, and It's Nanocomposites by Interlamellar Copolymerization**Amir Sepehrianazar**, Islamic Azad University, Iran**Aynur Manzak**, Sakarya University, Turkey**DavoodAhmediye Ahari**, Islamic Azad University, Iran

P2.A. 14

Synthesis and Characterization of Modified Mmt by PvsA and It's Nanocomposite by Interlamellar Copolymerization**Amir Sepehrianazar**, Islamic Azad University, Iran**Aynur Manzak**, Sakarya University, Turkey**Rooshenek Rehimzadeh**, Islamic Azad University, Iran

P2.A. 15

Structural and Optical Characterization of SnO₂ Films Deposited By Spray Pyrolysis Method**Evren Turan**, Anadolu University, Turkey**Seçkin Akin**, Anadolu University, Turkey**Metin Kul**, Anadolu University, Turkey**Ahmet Şenol Aybek**, Anadolu University, Turkey**Muhsin Zor**, Anadolu University, Turkey**Savaş Sönmezoğlu**, Karamanoğlu Mehmetbey University, Turkey

P2.A. 16

Deposition of SrTiO₃: Fe Nanopowders on Ceramic Surfaces by Electrospray**Burçak Atay**, Anadolu Üniversitesi, Turkey**Mevlüt Gürbüz**, Anadolu Üniversitesi, Turkey**Aydın Doğan**, Anadolu Üniversitesi, Turkey

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Electron and Hole Energy Levels in In_xGa_{1-x}As/GaAs Self Assembled Quantum Dots**Hanene Abassi**, Faculty of Sciences of Bizerte, Tunisia**Karim Sellami**, Faculty of Sciences of Bizerte, Tunisia**Makram Yahyaoui**, Faculty of Sciences of Bizerte, Tunisia**Imen Saïdi**, Faculty of Sciences of Bizerte, Tunisia**Christophe Testelin**, Institut des Nanosciences de Paris, France**Kaïs Boujdaria**, Faculté des Sciences de Bizerte, Tunisia

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Detection of Glyphosate by Surface-enhanced Raman Spectroscopy Using Gold Nanorods**Hilal Torul**, Gazi University, Turkey**Uğur Tamer**, Gazi University, Turkey

P2.A. 19

Application of Surface Plasmon Resonance of Silver Nanoparticles for Trace Amount of Determination Of Cobalt (ii)**Malihatolsadat Mozaheb**, Payame Noor University, Iran**Fatemeh Banifateme**, Payame Noor University, Iran**Mohamadali Karimi**, Payame Noor University, Iran

P2.A. 20

Thermal Annealing Effects on the Morphology and Electrical Properties of ZnO Thin Films**Barbaros Demirselcuk**, Canakkale OnSekiz Mart University, Turkey**Vildan Bilgin**, Canakkale OnSekiz Mart Univ., Turkey**Emrah Sarica**, Canakkale OnSekiz Mart Univ., Turkey

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A Novel Method for the Selective Opening of the Barrier Layer in Porous Anodic Alumina

Beril Akinci, Istanbul Technical University, Turkey
Işihan Paşaoğlu, Istanbul Technical University, Turkey
Mustafa Ürgen, Istanbul Technical University, Turkey

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Effect of Surface Modifier on the Characteristics Of Hydrothermally Synthesized Nano Tin Oxide Particles

Bekir Esen, Ankara University, Turkey
Tuğrul Yumak, Ankara University, Turkey
Ali Sınağ, Ankara University, Turkey
Ebru Dağdelen, Ankara University, Turkey
Kıvanç Aydıncak, Ankara University, Turkey
Yusuf Osman Donar, Ankara University, Turkey

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Syntheses Of Methanol {2-methoxy-6-[(2-oxidopropyl)iminometh-

Mahdeyeh Sheikhshoaie, Student, Iran
Tayebeh Shamspour, University, Iran

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Effect of Crystallinity and Particle Morphology on The Magnetic Anisotropy Of Submicron Barium Hexaferrite Powders

Sedat Alkoy, Gebze Institute of Technology, Turkey
Sinan Dursun, Gebze Institute of Technology, Turkey
Ramazan Topkaya, Gebze Institute of Tech., Turkey
Numan Akdoğan, Gebze Institute of Technology, Turkey

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Lead-free Potassium Sodium Niobate Thin Films Prepared By Sol-gel Method

Ebru Menşur Alkoy, Maltepe University, Turkey
Yaşar Saydam, Gebze Institute of Technology, Turkey
Koray Öztürk, Gebze Institute of Technology, Turkey

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Nanofibers Of Poly(anthranilic Acid)/polyacrylonitrile Composite

Timuçin Balkan, Istanbul Technical University, Turkey
Diğdem Giray, Istanbul Technical University, Turkey
A. Sezai Saraç, Istanbul Technical University, Turkey

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Nano Sized Nickel Borate Preparation and Characterization

Merve Türk, İzmir Institute of Technology, Turkey
Bariş Gümüş, İzmir Institute of Technology, Turkey
Devrim Balköse, İzmir Institute of Technology, Turkey

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Zno Nanostructures Obtained By Cbd Method: Effects of Reaction Temperature

Süleyman Kahraman, mustafa kemal university, Turkey
Fatih Bayansal, mustafa kemal university, Turkey
Hüsnü Salih Güder, mustafa kemal university, Turkey

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Growth and Electrical Characterizations of Homogenous CuO Nano-structures

Fatih Bayansal, Mustafa Kemal University, Turkey
Süleyman Kahraman, Mustafa Kemal University, Turkey
H. Ali Çetinkara, Mustafa Kemal University, Turkey

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Analytical Chemistry

Raheleh Jokar, University, Iran
Hasan Karami, University, Iran
Mohammad Ali Karimi, University, Iran

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Production and Size Reduction of Gold Nanoparticles Using Ultrafast Femtoseconds Laser

Erhan Akman, Kocaeli University, Turkey
Belgin Genc Oztoprak, Kocaeli University, Turkey
Murat Güneş, Kocaeli University, Turkey
Elif Kacar, Kocaeli University, Turkey
Arif Demir, Kocaeli University, Turkey

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Sintering Of Small Titania Nanoparticles: A Molecular Dynamics Study**Serap Senturk Dalgic**, Trakya University, Turkey**Cem CANAN**, Trakya University, Turkey**Oguz GULSEREN**, Bilkent University, Turkey

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The Rheology of Al-sic Nanocomposites**Arezoo Ghanbari**, MERC Iran**Masood Alizadeh**, MERC Iran**Rahim Yazdani Rad**, MERC Iran**Ebrahim Ghasemi**, MERC Iran

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Alternative and Affordable Graphitic Substrates for Surface Studies**P. Gülçin Uygur**, Aktif Deterjan ve Kimya, Turkey**Dilek Yıldız**, Istanbul Technical University, Turkey**Merve Altay**, Istanbul Technical University, Turkey**Rıfat Yılmaz**, Istanbul Technical University, Turkey**Oğuzhan Gürlü**, Istanbul Technical University, Turkey

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Effects of the Various Solvents for Quantum Dots on Hopg and Gold Surfaces**Ayça Dalboy**, Istanbul Technical University, Turkey**Merve Altay**, Istanbul Technical University, Turkey**Rıfat Yılmaz**, Istanbul Technical University, Turkey**Oğuzhan Gürlü**, Istanbul Technical University, Turkey

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Morphological and Electronic Properties of Super Periodic Structures Due To Graphene Layers on Hopg Surfaces**Dilek Yıldız**, Istanbul Technical University, Turkey**Oğuzhan Gürlü**, Istanbul Technical University, Turkey

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Separation of Gold in Water Samples by Using Multiwalled Carbon Nanotubes**ALI Ghazizadeh**, Payamnoor University, Iran**Daryosh Afzali**, International Center for Science, Iran

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The Morphology and Size Control of Zinc Oxide Nanorods Crystallized From Aqueous Solutions**Bora Akın**, Yıldız Technical University, Turkey**Mualla Öner**, Yıldız Technical University, Turkey

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Preparation of Antimicrobial Surfaces with Nanoporous Zeolites**Zeynep Ustaoglu**, Yeditepe University, Istanbul**Nurcan Baç**, Yeditepe University, Istanbul**Selami Demirci**, Yeditepe University, Istanbul

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Effect of Silver Nanoparticles on Mcf-7 Breast Cancer Cells In Vitro**Hakan Çiftçi**, Kırıkkale University, Turkey**Mustafa Türk**, Kırıkkale University, Turkey**Uğur Tamer**, Gazi University, Turkey**Yusuf Menemen**, Kırıkkale University, Turkey**Mehmet Doğan Aşık**, Hacettepe University, Turkey

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Thz Time Domain Spectroscopy Investigation of the Dynamics of Metal Nanoparticle Suspensions in Micro-channels**Can Koral**, METU, Turkey**Hüseyin Avni Vural**, UNAM - Bilkent University, Turkey**Bülend Ortaç**, UNAM - Bilkent University, Turkey**Tuba Okutucu**, METU, Turkey**Hakan Altan**, METU, Turkey

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Synthesis and Characterization of Surface-enhanced Raman Scattering Tags With Ag and Au Core-ag Shell Nanostructures**Ceren Uzun**, METU, Turkey**Yeliz Akpınar**, METU, Turkey**Murat Kaya**, METU, Turkey**Mürvet Volkan**, METU, Turkey

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Immobilization Of Gold Nanorod Particles Onto Poly(3-octylthiophene) By Hydrophobic Forces**Hakan Çiftçi**, Kırıkkale University, Turkey**Uğur Tamer**, Gazi University, Turkey

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Synthesis of Silica Nanoparticles with Custom-made Morphology for Controlled Drug Delivery**Saniye Saygılı**, Izmir Institute of Technology, Turkey**Çağrı Siretli**, Izmir Institute of Technology, Turkey**Hurriyet Polat**, Izmir Institute of Technology, Turkey**Mehmet Polat**, Izmir Institute of Technology, Turkey

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Potential of Nanoparticle Delivery of a New Microrna (mir-x) Based Drugs**Kumsal Ayse Tekirdag**, Sabancı University, Turkey**Gozde Korkmaz**, Sabancı Üniversitesi, Turkey**Devrim Goazuacık**, Sabancı Üniversitesi, Turkey

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Synthesis and Surface Modification of Silica Nanoparticles**İmran Özdemir**, Yıldız Teknik Üniversitesi, Turkey**Sennur Deniz**, Yıldız Teknik Üniversitesi, Turkey

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Production of Calcite from Aggregated Nano Clusters**Ekrem Ozdemir**, Izmir Institute of Technology, Turkey**Murat Molva**, Izmir Institute of Technology, Turkey**Yelda Meyva**, Izmir Institute of Technology, Turkey**Özkan Fidan**, Izmir Institute of Technology, Turkey**Sevgi Kılıç Özdemir**, Izmir Institute of Tech., Turkey

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Synthesis of Nanoparticles via Spark Discharge Method**Burak Aktekin**, Middle East Technical University, Turkey**Fatih Piskin**, Middle East Technical University, Turkey**Tayfur Ozturk**, Middle East Technical University, Turkey

P2.A. 49

Film Formation from PS-TiO₂ Composites: A Fluorescence Study**Selin Sunay**, Istanbul Technical University, Turkey**Şaziye Uğur**, Istanbul Technical University, Turkey**Önder Pekcan**, Kadir Has University, Turkey

P2.A. 50

Exitonic Light Emission from Core-multishell Semiconductor Quantum Dots**Cihan Bacaksız**, Izmir Institute of Technology, Turkey**R. Tuğrul Senger**, Izmir Institute of Technology, Turkey

P2.A. 51

Synthesis of ZnO Nanofilms by Sol-gel Method**Şeyma Dombaycioğlu**, Sakarya University, Turkey**Hilal Köse**, Sakarya University, Turkey**Ali Osman Aydin**, Sakarya University, Turkey**Hatem Akbulut**, Sakarya University, Turkey

P2.A. 52

A Note on Balaban Index**Modjtaba Ghorbani**, University, Iran

P2.A. 53

Effect Of Acid and Water on Sol-gel Preparation of Antireflective Amorphous SiO₂ Coatings**Ömer Kesmez**, Akdeniz University, Turkey**Esin Burunkaya**, Akdeniz University, Turkey**Zerin Yeşil**, Akdeniz University, Turkey**Nadir Kiraz**, Akdeniz University, Turkey**H. Erdem Çamurlu**, Akdeniz University, Turkey**Meltem Asiltürk**, Akdeniz University, Turkey**Ertuğrul Arpaç**, Akdeniz University, Turkey

P2.A. 54

Photocatalytic Properties of Sn-doped Nano-TiO₂ / Glymo Films**Esin Burunkaya**, Akdeniz University, Turkey**Zerin Yeşil**, Akdeniz University, Turkey**Ömer Kesmez**, Akdeniz University, Turkey**Nadir Kiraz**, Akdeniz University, Turkey**Hasan Erdem Çamurlu**, Akdeniz University, Turkey**Ertuğrul Arpaç**, Akdeniz University, Turkey

P2.A. 55

Sn⁴⁺ or Ce³⁺ Doped TiO₂ Photocatalytic Nanofilms on Antireflective Nano-sio₂ Coated Glass

Zerin Yeşil, Akdeniz University, Turkey

Ömer Kesmez, Akdeniz University, Turkey

Esin Burunkaya, Akdeniz University, Turkey

Nadir Kiraz, Akdeniz University, Turkey

Hasan Erdem Çamurlu, Akdeniz University, Turkey

Meltem Asiltürk, Akdeniz University, Turkey

Ertuğrul Arpaç, Akdeniz University, Turkey

P2.A. 56

Synthesis of Water-soluble Zns Nanocrystals by A Simple and Green Method

Lotfi Shiri, University of Ilam, Iran

Alireza Goudarzi, University of Golestan, Iran

Ali Daneshfar, University of Ilam, Iran

Reza Sahraei, University of Ilam, Iran

P2.A. 57

Melamine Supported On Magnetic Iron Oxide Nanoparticles (Ms-mionps) As New Composite for Adsorption of Cations from Aqueous Solutions

Roya Mirzajani, Shahid Chamran University, Iran

Shokoofeh Ahmadi, Shahid Chamran University, Iran

P2.A. 58

Synthesis of SnO₂ Nanofilms with Tea as Chelating Agent

Hilal Köse, Sakarya University, Turkey

Şeyma Dombaycioğlu, Sakarya University, Turkey

Ali Osman Aydin, Sakarya University, Turkey

Hatem Akbulut, Sakarya University, Turkey

P2.A. 59

Development Of Ag-np/zno-np Added Polypropylene Matrix Composites via Injection Molding

H.Kübra Yumakgil, ITU, Turkey

S. Seda Yakar, ITU, Turkey

A.Umut Söyler, ITU, Turkey

Burçak Ebin, ITU, Turkey

Sebahattin Gürmen, ITU, Turkey

Burak Özkal, ITU, Turkey

P2.A. 60

Effect of Aging Time and Molar Ratio Of Solution On Zno Thin Film Coatings Prepared By Sol-gel Dip-coating Method

Deniz Gültekin, Sakarya University, Turkey

Özgür Cevher, Turkey

Mehmet Oğuz Güler, Turkey

Hatem Akbulut, Turkey

P2.A. 61

Electrografting Of Poly(n-vinylcarbazole) And Poly(n-vinylcarbazole-co-styrenesulfonic Acid Sodium Salt): Cyclovoltammetric And Morphological Study

Timuçin Balkan, Istanbul Technical University, Turkey

Derya Çetecioglu, Istanbul Technical University, Turkey

A. Sezai Saraç, Istanbul Technical University, Turkey

P2.A. 62

The Synthesis And Characterization Of Ti(IV) With Glycine Complex: Its Photophysical Properties And Stability Constants By Potentiometric Method

İkbal Koyuncu, Yildiz Technical University, Turkey

Mevlude Canlica, Yildiz Technical University, Turkey

Deniz Arslan, Yildiz Technical University, Turkey

P2.A. 63

Investigation of Absorption Coefficient and Band Gaps for Synthesis of Cdse Nanocrystals

M.R. Karim, ITU, Turkey

H. Hakan Gürel, ITU, Turkey

Özden Akıncı, ITU, Turkey

Hilmi Ünlü, ITU, Turkey

P2.A. 64

Synthesis of Mg-Al-NO₃ Layered Double Hydroxide (Mg-Al-LDH) Nanoparticles and Optimization of Adsorption Behavior Of Sodium Seftriaxone Onto Mg-al-ldh Using Central Composite Design

Behrooz Azizi, Urmia University, Iran

Morteza Bahram, Urmia University, Iran

Khalil Farhadi, Urmia University, Iran

P2.A. 65

Nano Scale Surface Modification of Pmma Films for Biomedical Applications**Ozge Ozgen**, Middle East Technical University, Turkey**Eda Ayse Aksoy**, Middle East Technical University, Turkey**Vasif Hasirci**, Middle East Technical University, Turkey**Nesrin Hasirci**, Middle East Technical University, Turkey

P2.A. 66

First Geometric–arithmetic Index Of Some Nanostar Dendrimers**Ali Madanshekaf**, Semnan University, Iran**Marjan Moradi**, Semnan University, Iran

P2.A. 67

Alpo4-5 Nanozeolites: Fabrication, Characterization and Adsorption Properties**Ali Hassanvand**, University of Kashan, Iran**Morteza Asghari**, University of Kashan, Iran

P2.A. 68

Synthesis And Preparation Of Glucosamine Functionalized Nanoporous Monodisperse Poly(hpmacl- Edma) For Hydrophilic Interaction Chromatography**Saliha Dinç**, Selçuk University, Turkey**Saba Samatya**, Hacettepe University, Turkey**Ali Tuncel**, Hacettepe University, Turkey

P2.A. 69

Templated Precipitation and Growth of Calcium Phosphate Nanocrystals on Self-assembling Ionic Block Copolymers**Yusuf Yusufoglu**, Arcelik A.S., Turkey**Mufit Akinc**, Iowa State University, USA**Surya Mallapragada**, Iowa State University, USA**Klaus Schmidt-Rohr**, Iowa State University, USA

P2.A. 70

Removal of Heavy Metals Cadmium Ions from Aqueous Solutions By Using Size-tunable Silica Nanoparticles**Serdar Özçelik****Gülay Karaoğlu**

P2.A. 71

Synthesis, Characterization and Photoluminescence Properties Of Nanostructured Zinc Oxide Particles Synthesized By Pyrosol Method**Otilia Ruxandra Vasile**, University Politehnica From Bucharest, Romania**Ecaterina Andronescu**, University Politehnica From Bucharest, Romania**Cristina Ghitulica**, University Politehnica From Bucharest, Romania**Bogdan Stefan Vasile**, University Politehnica From Bucharest, Romania**Ovidiu Oprea**, University Politehnica From Bucharest, Romania

P2.A. 72

Study On Nanostructured Zirconia And Zirconia Nanocomposites Obtained By Classic And Spark Plasma Sintering**Bogdan Stefan Vasile**, University Politehnica From Bucharest, Romania**Ecaterina Andronescu**, University Politehnica From Bucharest, Romania**Cristina Ghitulica**, University Politehnica From Bucharest, Romania**Otilia Ruxandra Vasile**, University Politehnica From Bucharest, Romania

P2.A. 73

Comparison of Thermal Stability with Dynamic Mechanical Properties and Crystallization Behavior in Poly (ethylene-oxide)/clay Nanocomposites by Artificial Neural Networks**Mehmet Yazici**, Ondokuz Mayıs University, Turkey**Murat Kapusuz**, Ondokuz Mayıs University, Turkey**Hakan Ozcan**, Ondokuz Mayıs University, Turkey**Engin Burgaz**, Ondokuz Mayıs University, Turkey

P2.A. 74

Growth of Block Copolymers from Nanoparticle Surfaces and Development of Hybrid Nanoparticles**Hande Öztürk**, Koç University, Turkey**Havva Funda Yağcı Acar**, Koç University, Turkey

P2.A. 75

Preparation and Characterization of Montmorillonite-silane (mmt/si) Nanocomposite

Semra Karaca

Ahmet Gürses

Kader Yıkılmaz

Somaiyeh Jafarpour

Mehtap Ejder Korucu

Metin Açıkyıldız

THEME B:

Nanotubes, Nanowires

June 29, Wednesday 15:00 – 16:30

SUNUM

P2.B. 1

2-amino-5-mercapto-1,3,4-thiadiazole Functionalized Carbon Nanotubes As New Nanosized Solid-phase Adsorbents For Preconcentration And Determination Of Silver(i) Ions

Alireza Mohadesi, Payame Noor University, Iran

Hadi Beitollahi, International Center for Sciences, Iran

Mohammad Ali Karimi, Payame Noor University, Iran

P2.B. 2

P-aminophenol-multiwall Carbon Nanotubes Electrode As A Sensor For Simultaneous Determination Of Methylidopa And Uric Acid

Mohsen Keyvanfard, Islamic Azad University, Iran

Khadijeh Alizad, Islamic Azad University, Iran

Maryam Tahmasebi, Islamic Azad University, Iran

P2.B. 3

Pulse Electropolymerization of Polyaniline Nanofibers And Application As Drug Trap Agent

Hassan Karami, Payame Noor University, Iran

Mohammad Ghale Asadi, AUTM, Iran

Masoomeh Mansoori, AUTM, Iran

P2.B. 4

Voltammetric Determination of Levodopa and Folic Acid in Some Real Samples Using Modified Carbon Nanotube Paste Electrode

Alireza Mohadesi, Payame Noor University (PNU), Iran

Hadi Beitollahi, International Center for Sciences, Iran

Mohammad Ali Karimi, Payame Noor University (PNU), Iran

P2.B. 5

Selective Voltammetric Determination Of Norepinephrine In The Presence Of Acetaminophen And Folic Acid At A Modified Carbon Paste Electrode Incorporating Carbon Nanotubes And A Novel Molybdenum(vi) Complex

Hadi Beitollahi, International Center for Sciences, Iran

Iran Sheikhshoaie, Shahid Bahonar University, Iran

P2.B. 6

Stable Carbon Nanostructures Other Than Hexagon Geometry

Burcu Tuzun, METU, Turkey

Sakir Erkoc, METU, Turkey

P2.B. 7

Structural Properties of Si Nanorods under Strain: Molecular Dynamics Simulations

Burak Ozdamar, METU, Turkey

Sakir Erkoc, METU, Turkey

P2.B. 8

Influence of Nonspecific Interaction and Covalent Attachment of Oligonucleotides and Dna To The Electronic Properties Of Swcnts

Sevcan Ayaksiz, Yeditepe University, Turkey

Seda Demir, Yeditepe University, Turkey

Mustafa Çulha, Yeditepe University, Turkey

P2.B. 9

Structural Properties of ZnO Nanoribbons under Strain: Molecular Dynamics Simulations

Mehmet Emin Kilic, ODTU, Turkey

Sakir Erkoc, ODTU, Turkey

P2.B. 10

Structural Properties of Fe₂O₃ Nanorods under Strain: Molecular Dynamics Simulations**Sholeh Alaei**, METU, Turkey**Sakir Erkoc**, METU, Turkey

P2.B. 11

Stable Critical Point in Cylindrical Ising Nanowire System**Asgar Fatimi**, University of Aleppo, Syrian Arab Republic

P2.B. 12

Synthesis and Characterization of Silver Doped Zinc Oxide Nanowires through Hydrothermal Method**Ayşegül AFAL**, Middle East Technical University, Turkey**Hüsnü Emrah ÜNALAN**, Middle East Technical University, Turkey

P2.B. 13

A Nanotube Self-assembly Of A6k in Aqueous Solution at Varying pH**Elcin Yenigul**, Yeditepe University, Turkey**Seyda Bucak**, Yeditepe University, Turkey

P2.B. 14

Synthesis of Photocatalytic Titanium Dioxide Nanotubes on Electrospun Polymer Fibers By Hot Filament Chemical Vapor Deposition**Mustafa Karaman**, Selçuk University, Turkey**Demet Ozyurt**, Selçuk University, Turkey**Nihat Çabuk**, Selçuk University, Turkey**Fatma Saripek**, Selçuk University, Turkey**Özcan Köysüren**, Selçuk University, Turkey

P2.B. 15

Cu Nanowire Formation by Electrodeposition in Modified Nanoporous Anodic Alumina Templates**Hossein Ghaforyan**, Payame Noor University, Iran**Majid Ebrahimzadeh**, Arta Nano Fan Avar Pishro Company, Iran**Mehdi Soodmand**, Payame Noor University, Iran**Fatemeh Akbari Baseri**, Arta Nano Fan Avar Pishro Company, Iran

P2.B. 16

Gas Sensing Properties of Ru-doped TiO₂ Nanofibers**Mehtap Özdemir Köklü**, Gediz University, Turkey**Fevzi Sümer**, Ege University, Turkey**Omer Mermer**, Ege University, Turkey**Umit Cocen**, Dokuz Eylul University, Turkey**Salih Okur**, Izmir Institute of Technology, Turkey**Erdal Celik**, Dokuz Eylul University, Turkey

P2.B. 17

Effect of Gas Phase on Carbon Nanotube Production**Burça Salgara**, Ankara University, Turkey**Savaş Yağlıkçı**, Ankara University, Turkey**Hülya Madakbaş**, Farma-Gen Consultant & Corporation, Turkey**Burhanettin Çiçek**, Ankara University, Turkey

P2.B. 18

Adsorption Kinetics and Thermodynamics of Malachite Green from Aqueous Solutions onto Halloysite Nanotubes**Gholamreza Kiani**, University of Tabriz, Iran

P2.B. 19

Elastic Properties of a Swollen PAAm-MWNT Composite at Various Temperatures**Gülşen Akın Evingür**, İstanbul Technical Un., Turkey**Önder Pekcan**, Kadir Has Un., Turkey

P2.B. 20

Fabrication of Nitrogen Doped TiO₂ Nanotubes Prepared By an Anodization Process**Necmettin Kılınç**, Gebze Institute of Technology, Turkey**Şeyma Onay**, Gebze Institute of Technology, Turkey**Erdem Şennik**, Gebze Institute of Technology, Turkey**Zafer Ziya Öztürk**, Gebze Institute of Technology, Turkey

P2.B. 21

Chemical Synthesis Of Ultra-long Cd(OH)₂ Nanowires At Room Temperature**Ali Daneshfar**, University of Ilam, Iran**Asma Mihandoost**, University of Arak, Iran**Reza Sahraei**, University of Ilam, Iran

P2.B. 22

Carbon Doping Of Anodic Tio₂ Nanotubes by Thermal Treatment in Acetylene**Müge Işık**, Gebze Institute of Technology, Turkey**Necmettin Kılınç**, Gebze Institute of Technology, Turkey**Erdem Şennik**, Gebze Institute of Technology, Turkey**Zafer Ziya Öztürk**, Gebze Institute of Techn., Turkey

P2.B. 23

Surface Functionalization of Carbonnanotubes By Hot Filament Chemical Vapor Deposition Method**Mustafa Karaman**, Selcuk University, Turkey**Demet Özyurt**, Selcuk University, Turkey**Nihat Çabuk**, Selcuk University, Turkey**Özcan Köysüren**, Selcuk University, Turkey

P2.B. 24

Schottky Barriers in Cnt-graphene Composite Systems**Ceren Sibel Sayın**, Middle East Technical Un., Turkey**Hande Toffoli**, Middle East Technical Un., Turkey

P2.B. 25

Grafting Of A Copper (ii) Schiff Base Complex on Functionalized Multi-wall Carbon Nanotubes (mwnts) As Heterogeneous Catalysis**Masaoud Salavati-Niasari**, University of Kashan, Iran

P2.B. 26

Application of Modified Multiwalled Carbon Nonotubes for Separation of Cadmium and Lead Prior Determination in Greenhouse Soil in Jiroft Area (Iran)**Daryoush Afzali**, International Center for Sciences, Iran

P2.B. 27

Fabrication of Functional Composite Silica Nano Test Tubes**Fatih Büyükserin**, TOBB University, Turkey

P2.B. 28

Carbon Nanotubes (CNT)**Gökhan Dikmen**, Anadolu University, Turkey**Gamze Güney**, Anadolu University, Turkey

P2.B. 29

Computing Reverse Wiener and Wiener Indices Of HAC5C7 [p, q] Nanotube**Yaser Alizade Sani**, Tarbiat Modares University, Iran**Ali Iranmanesh**, Tarbiat Modares University, Iran

P2.B. 30

Application Of Modified Carbon Nanotubes As A Sorbent For Separation/preconcentration Of Trace Amounts Of Lead (ii) And Its Determination By Flame Atomic Absorption Spectrometry**Mohammad Ali Karimi**, Payame Noor Univ. (PNU), Iran**Abdolhamid Hatefi-Mehrjardi**, Payame Noor University, Iran**Sayed Zia Mohammadi**, Payame Noor University, Iran**Javad Yarahmadi**, Payame Noor University, Iran

P2.B. 31

Hydrogen Storage in Metal Decorated Carbon Nanotubes**Aynur Şenyör**, Istanbul Technical University, Turkey**Adem Tekin Tekin**, Istanbul Technical University, Turkey**Nilgün Yavuz**, Istanbul Technical University, Turkey

P2.B. 32

Sn-deposited Multi-walled Carbon Nanotubes by Electrodeposition**Mehmet Uysal****Ramazan Karslioğlu****Yunus Emre Hirçin****Ahmet Alp****Hatem Akbulut**

P2.B. 33

Effect Of Citrate Salt Concentration On The Synthesis Of Pt/MWNTs For Nitrobenzene Hydrogenation**Zeinab Talaei**, Tarbiat Modares University, Iran**Alireza Mahjoub**, Tarbiat Modares University, Iran**Mohammad Mehdi Eskandari**, Research Institute of Petroleum Industry , Iran

P2.B. 34

DNA-Templated Inorganic Nanostructures

Hasan Mohamed, Newcastle Un., United Kingdom

Scott Watson, Newcastle University, United Kingdom

Benjamin Horrocks, Newcastle Un., United Kingdom

Andrew Houlton, Newcastle U., United Kingdom

P2.B. 35

***A Parametric Study on the Zinc Oxide Nanowire
Growth by Chemical Vapor Deposition Method***

Burcu Aksoy

Husnu Emrah Unalan

THEME C:

Nanomembranes, Nanostructures with catalytic properties,
Electro-chemical Materials

June 29, Wednesday 15:00 – 16:30

SUNUM

C: P2.C. 1

An Electrochemical Sensor for Electrocatalytic Determination of No Based on Safranin-terminated Self-assembled Monolayer at the Surface of Gold Electrode

Ashraf Salmanipour, Shahid Bahonar University of Kerman, Iran

Mohammad Ali Taher, Shahid Bahonar University of Kerman, Iran

P2.C. 2

Sol-gel Derived CuO@SiO₂ Nanocatalysts Toward CO And NO Oxidation Reactions

Seyed Hossein Tohidi, Nuclear Science and Technology Institute, Iran

Abdol Javad Novinrooz, Nuclear Science and Technology Institute, Iran

Garnik Grigoryan, Yerevan State University, Armenia

P2.C. 3

Study of Nano Nickel Particles Supported On Alumina by Polyol Method: The Effects of Support Surface Area

Mehmet Ali Faruk Öksüzömer, Istanbul Un., Turkey

Ezgi Bayrakdar, Istanbul University, Turkey

Tuba Gürkaynak Altınçekiç, Istanbul University, Turkey

P2.C. 4

Microwave Assisted Hydrothermal Synthesis of Spinel Structured Cathode Active Nanoparticles for Li-ion Batteries

Emrah Bulut, Sakarya University, Turkey

Ahmet Örnek, Sakarya University, Turkey

Mahmut Özacar, Sakarya University, Turkey

P2.C. 5

Preparation of Cdo/polyaniline Nanocomposites and Photo-catalytic Properties

Eda Tomurcuk, Selcuk University, Turkey

Fahriye Sarı, Selcuk University, Turkey

Handan Gülce, Selcuk University, Turkey

Ahmet Gülce, Selcuk University, Turkey

Volkan Eskizeybek, Selcuk University, Turkey

Ahmet Avcı, Selcuk University, Turkey

P2.C. 6

Preparation of Cdo-ZnO/polyaniline Nanocomposites And Photo-catalytic Properties

Oğuzhan Özcan, Selcuk University, Turkey

Fahriye Sarı, Selcuk University, Turkey

Handan Gülce, Selcuk University, Turkey

Ahmet Gülce, Selcuk University, Turkey

Volkan Eskizeybek, Selcuk University, Turkey

Ahmet Avcı, Selcuk University, Turkey

P2.C. 7

Nanostructured Polyaniline Films on Self Assembled Monolayer Modified Electrodes for Direct Electrochemistry of Hemoglobin

Gülçin Bolat, Hacettepe University, Turkey

Filiz Kuralay, University of California, San Diego,

USA **Serdar Abacı**, Hacettepe University, Turkey

P2.C. 8

Characterization of DNA Immobilized Redox Polymer on Pt Electrode and Its Release Behavior

Filiz Kuralay, University of California, San Diego,

USA **Arzum Erdem**, Ege University, Turkey

Serdar Abacı, Hacettepe University, Turkey

P2.C. 9

Wiener and Szeged Indices of Non-commuting Graph Of Quaternion Group**Azizollah Azad**, Arak University, Iran

P2.C. 10

ZnO and Zns Microrods Coated On Glass and Photocatalytic Activity**İlknur Tatlıdil**, Karadeniz Technical University, Turkey**İsmail Polat**, Karadeniz Technical University, Turkey**Emin Bacaksiz**, Karadeniz Technical University, Turkey**Münevver Sökmen**, Karadeniz Technical Uni., Turkey

P2.C. 11

Preparation and Antibacterial Properties of Silver and Cobalt Loaded Nano TiO₂ Particles**Hüma Yılmaz**, Karadeniz Technical University, Turkey**Sena Atal**, Karadeniz Technical University, Turkey**Melek Koç**, Karadeniz Technical University, Turkey**Vildan Serdaroğlu**, Karadeniz Technical Un., Turkey**İlknur Tatlıdil**, Karadeniz Technical University, Turkey**C. Kurtuluş Buruk**, Karadeniz Technical Un., Turkey**Münevver Sökmen**, Karadeniz Technical Un., Turkey

P2.C. 12

Preparation and Characterization of B, N and B/n Co-doped TiO₂ Thin Films and Its Catalytic Activity under Visible Light Irradiation**Sayed Shibly**, Shahjalal University, Bangladesh**Md. Nizam Uddin**, Bilkent University, Turkey**Saiful Islam**, Shahjalal University, Bangladesh**M. Mazumder**, Shahjalal University, Bangladesh**M. Islam**, Shahjalal University, Bangladesh**Mohammed Uddin**, Shahjalal University, Bangladesh**Erman Bengu**, Bilkent University, Turkey

P2.C. 13

Zno Nanotube as Green and Efficient Catalyst In The Protection Of Carbonyl Groups As Phenyl Hydrazone**Haji Shalbaf**, Islamic Azad University, Iran**Najmeh zahedi zahedi**, Islamic Azad University, Iran

P2.C. 14

Fabrication of Cu-CeF₃-Cu Nano-scale Mim Structures and Study Of Their Electrical Properties**Hossein Ghaforyan**, Payame Noor University, Iran**Majid Ebrahimzadeh**, Arta Nano Fan Avar Pishro Co., Iran**Mehdi Soodmand**, Payame Noor University, Iran

- **THEME A:** Nanomaterials: Synthesis, Properties, and Applications
- **THEME B:** Nanobiotechnology: Biomaterials, Nanomedicine, and Biosensors
- **THEME C:** Nanofabrication: Nanolithography, Nanopatterning, and Nanomanufacturing
- **THEME D:** Nanoelectronics: Nanotransistors, Nanowires, and Nanoscale Devices
- **THEME E:** Nanoelectronics, Spintronics, Nano- SMagnetics, Quantum Computing, Qubits
- **THEME F:** Organic and Hybrid Electronics: OLED, OTFT, OSC, DSSC
 - **THEME G:** Nano-optics, Nano-Optoelectronics, Nano-Photonics
- **THEME H:** Nano-Fabrication, Nano-Lithography, Nano-Manipulation
 - **THEME I:** Nanoscale Characterization, Nano-imaging, Nanoscopy, Nano-Metrology
 - **THEME J:** Nano Electro Mechanical Systems (NEMS), Micro Electro Mechanical Systems (MEMS)
 - **THEME K:** Nano-Fluidics
 - **THEME L:** Nano-Actuators, Nano-Sensors
 - **THEME M:** Nano-Robotics
- **THEME N:** Nano-Mechanics, Nano-Tribology, Nano-Composites
- **THEME O:** Nanotechnology for Energy (fuel cell, solar cell, hydrogen storage)
- **THEME P:** Nanotechnology in Textile, Agriculture and Food Science
- **THEME R:** Social, economical and environmental effects, safety and ethical issues
- **THEME S:** Nanotechnology Governance and National Nanotechnology Policies
- **THEME T:** Nano Entrepreneurship-A Journey from Research to Implementation

THEME E:

Nanoelectronics, Spintronics, Nano-Magnetics,
Quantum Computing, Qubits

June 30, Thursday 15:00 – 16:30

SUNUM

P3.E. 1

Effects of Bias Voltage on the Miniband Structure of Nanomaterials with Topological Disorder

Radouan Djelti, Mostaganem University, Algeria

P3.E. 2

Conductance of Long Range Correlated Disordered Graphene Superlattice

Ayoub Esmailpour, Shahid Rajaee University, Iran

Hamed Meshkein, Shahid Rajaee University, Iran

P3.E. 3

Thickness Dependent Magnetic Properties of Fe/coo Bilayers

Mustafa Öztürk, Gebze Institute of Technology, Turkey

Erdem Demirci, Gebze Institute of Technology, Turkey

Ramazan Topkaya, Gebze Institute of Tech., Turkey

Mohamed Obaida, Ruhr-Universitaet Bochum, Germany

Kurt Westerholt, Ruhr-Universitaet Bochum, Germany

Sinan Kazan, Gebze Institute of Technology, Turkey

Numan Akdoğan, Gebze Institute of Technology, Turkey

P3.E. 4

Spin-orbit Interaction in A Semiconductor Qd

Mahshid Zand Mashayekhi, Tabriz University, Iran

Sanaz Shoar Gaffari, Tabriz University, Iran

Nazli Rasooli Sarabi, Tabriz University, Iran

Karim Abbasian, Tabriz University, Iran

Ali Rostami, Tabriz University, Iran

P3.E. 5

The Exchange Interaction Controlling In Coupled Qds by External Electric Field

Sanaz Shoar Gaffari, Tabriz University, Iran

Mahshid Zand Mashayekhi, Tabriz University, Iran

Nazli Rasooli Sarabi, Tabriz University, Iran

Ali Rostami, Tabriz University, Iran

Karim Abbasian, Tabriz University, Iran

P3.E. 6

Thickness and Temperature Dependence of Exchange Bias in Co/CoO Bilayers

Erdem Demirci, Gebze Institute of Technology, Turkey

Mustafa Öztürk, Gebze Institute of Technology, Turkey

Ramazan Topkaya, Gebze Institute of Tech., Turkey

Mohamed Obaida

Kurt Westerholt

Sinan Kazan, Gebze Institute of Technology, Turkey

Numan Akdoğan, Gebze Institute of Technology, Turkey

P3.E. 7

The Role of Electrolyte Temperature on Grain Size and Surface Morphology of Nicu Films Electrodeposited On Ito Glass Substrates

Umut Sarac, Osmangazi Üniversitesi, Turkey

M. Celalettin Baykul, Osmangazi Üniversitesi, Turkey

Mustafa Arikel, Osmangazi Üniversitesi , Turkey

P3.E. 8

Size and Magnetic Field Effects on Inmnas/GaAs Diluted Magnetic Quantum Dots

Rim Neffati, Faculty of Sciences of Bizerte, Tunisia

Karim Sellami, Faculty of Sciences of Bizerte, Tunisia

Makram Yahyaoui, Faculty of Sciences of Bizerte, Tunisia

Imen Saïdi, Faculty of Sciences of Bizerte, Tunisia

Christophe Testelin, Inst. des Nanosciences de Paris, France

Kaïs Boujdaria, Faculté des Sciences de Bizerte, Tunisia

P3.E. 9

Influence Of Epitaxial Strain On Magnetic Anisotropy In Ferromagnetic (Ga_{0.93}Mn_{0.07})(As_{0.93}P_{0.07})/GaAs Films

Makrem Yahyaoui, Faculty of Sciences of Bizerte, Tunisia

Christophe Testelin, Institut des Nanosciences de Paris, Tunisia

Christophe Testelin, Inst. des Nanosciences de Paris, France

Kaïs Boujdaria, Faculty of Sciences of Bizerte, Tunisia

P3.E. 10

Production of Multilayered Cu/Au/CoFe Magnetic Thin Film with Low Coercivity

Sukru Cakmaktepe, Kilis 7 Aralık University, Turkey

Sinan Diken, Kilis 7 Aralık University, Turkey

Mehmet Ibrahim Coskun, Kilis 7 Aralık Un., Turkey

Abdulkadir Yildiz, Kilis 7 Aralık University, Turkey

P3.E. 11

Effects on Two Dimensional Electron Gas of Ingan Back-barrier For Ultrathin Barrier AlN/GaN High Electron Mobility Transistors

Gökhan Atmaca, Gazi Un. Physics Department, Turkey

Kenan Elibol, Gazi Un. Physics Department, Turkey

Pınar Taşlı, Gazi University Physics Department, Turkey

Sefer Bora Lişesivdin, Gazi Univ. Physics Dept, Turkey

P3.E. 12

Synthesis and Characterization of CoFe₂O₄ and Mn_{0.2}Co_{0.8}Fe₂O₄ Np's by Polyol Method

Özlem Akman, Sakarya University, Turkey

Ramazan Topkaya, Gebze Institute of Tech., Turkey

Esved E. Tanriverdi, Fatih University, Turkey

Abdulahdi Baykal, Fatih University, Turkey

Sinan Kazan, Gebze Institute of Technology, Turkey

P3.E. 13

Atomic Layer Deposition for High Quality Thin Film Transistors

Feyza Bozkurt, Bilkent University, Turkey

Ali Kemal Okyay, Bilkent University, Turkey

P3.E. 14

Multiwalled Carbon Nanotube Doped Ardel / N-cds Mis Structure

Furkan Kuruoglu, Yildiz Technical University, Turkey

Muzaffer Mogulkoc, Yildiz Technical University, Turkey

Murat Caliskan, Yildiz Technical University, Turkey

Dolunay Sakar, Yildiz Technical University, Turkey

Merih Serin, Yildiz Technical University, Turkey

P3.E. 15

Computational Study of Super Cell Al-doped Single-Walled Carbon Nanotubes As Co Sensor

Masood Hamadani, University of Kashan, Iran

Bahram Khoshnevisan, University of Kashan, Iran

Forough Kalantari Fotooh, University of Kashan, Iran

P3.E. 16

Magnetic Characterization of Baf₁₀(Mn+2x+2Zn+2) O₁₉

Özlem Akman, Sakarya University, Turkey

Hüseyin Kavas, Gebze Institute of Technology, Turkey

Ahmet Teber, Gebze Institute of Technology, Turkey

Abdulahdi Baykal, Fatih University, Turkey

Bekir Aktaş, Gebze Institute of Technology, Turkey

P3.E. 17

Silica Coating Of Monodisperse Hydrophobic Magnetite Nanoparticles through Reverse Microemulsion Technique

Zeynep Ergül, ODTÜ, Turkey

Tuğba Nur Aslan, ODTÜ, Turkey

Gülfem Aygar, ODTÜ, Turkey

Mürvet Volkan, ODTÜ, Turkey

P3.E. 18

The Strain Effect on the Magnetic Properties of Pr_{0.3}Ca_{0.7}MnO₃ Thin Films

Abdullah Koçbay, Gebze Institute of Technology, Turkey

Anuj Chopra, Max Planck Institute, Germany

Marin Alexe, Max Planck Institute, Germany

Dietrich Hesse, Max Planck Institute, Germany

Fikret Yildiz, Gebze Institute of Technology, Turkey

P3.E. 19

Large Area Graphene as Transparent Thin Conducting Electrode**Görkem Soyumer**, Sabanci University, Turkey**Cem Çelebi**, Sabanci University, Turkey**Seda Aksoy**, Sabanci University, Turkey**Ahmet Oral**, Sabanci University, Turkey**İsmet Kaya**, Sabanci University, Turkey

P3.E. 20

Fabrication of Metallic Nanogaps Using In-situ Controlled Thermal Evaporation**Anıl Günay Demirkol**, Sabanci University, Turkey**İsmet İnönü Kaya**, Sabanci University, Turkey

P3.E. 21

On The Organic Nanodevice Applications**Arezki Benfdila**, University M. Mammeri Tizi-Ouzou, Algeria

P3.E. 22

Graphene Based Nano-hall Sensor for Scanning Hall Probe Microscopy**Selda Sonuşen**, Sabanci University, Turkey**Hidayet Çetin**, Bozok University, Turkey**Münir Dede**, Nanomagnetics Instruments Ltd, Turkey

P3.E. 23

Effect Of Electrolyte Concentration on Composition, Grain Size, and, Surface Morphology of NiCu Films Electrodeposited On Ito Glass Substrates**M. Celalettin Baykul**, Osmangazi Üniversitesi, Turkey**Umut Sarac**, Osmangazi Üniversitesi, Turkey

P3.E. 24

Application of Phase-imaging Tapping Mode AFM of Electrodeposited NiFeCu/Cu Films**Umut Sarac**, Osmangazi University, Turkey**M.Celalettin Baykul**, Osmangazi University, Turkey**Mursel Alper**, Uludag University, Turkey

P3.E. 25

Pentacene Based Organic Thin Film Transistor with SiO₂ Gate Dielectric**Ahmet Demir**, Gebze Institute of Technology, Turkey**Zekeriya Doğruyol**, Yıldız Technical University, Turkey**Sehat Tunç**, Gebze Institute of Technology, Turkey**Salih Okur**, Izmir Institute of Technology, Turkey**Sait Eren San**, Gebze Institute of Technology, Turkey**Mustafa Okutan**, Yıldız Technical University, Turkey**Arif Kösemen**, Muş Alparslan University, Turkey**Zuhal Alpaslan**, Gebze Institute of Technology, Turkey

P3.E. 26

Electrical Characterization of Inhomogeneous Fecrnic/p-si Structure in a Wide Temperature Range**Ayşe Nida Beştaş**, Atatürk Üniversitesi, Turkey**Seda Yazıcı**, Atatürk Üniversitesi, Turkey**Perihan Aksu**, Kırşehir Ahi Evran Üniversitesi, Turkey**Fatih Aktaş**, Atatürk Üniversitesi, Turkey**Bahattin Abay**, Atatürk Üniversitesi, Turkey

P3.E. 27

Shallow Mo: Si Silicide Formation and Minimisation of Interface Inhomogeneities**Hakan Ertaş**, Atatürk University, Turkey**Atakan Abuşoğlu**, Ataturk University, Turkey**Hasan Efeoğlu**, Ataturk University, Turkey

P3.E. 28

Er: Si Silicide Formation and Interface Inhomogeneities**Yunus Babacan**, Erzincan University, Turkey**Hasan Efeoğlu**, Ataturk University, Turkey

P3.E. 29

Theoretical Study of Methylene Blue Photo Degradation Using ZnO Nanoparticles with Various Size Scales by Oniom Method**Mohsen Oftadeh**, Payame Noor University, Iran

P3.E. 30

Defect Engineering for Nanoelectronic Devices**Şeref Kalem**, TÜBİTAK-BİLGEM-UEKAE, Turkey

P3.E. 31

Polarisability Calculation For Nanoscopic Liquid Crystal 5cb**Anissa Besbes**, Mostaganem University, Algeria

P3.E. 32

Quantum Computing Based On Near-field Optically Coupled Quantum Dot System**Nooshin Dolati Ilkhechi**, Tabriz University, Iran**Ali Rostami**, Tabriz University, Iran**Saeed Golmohammadi Heris**, Tabriz University, Iran

P3.E. 33

Electron Spin Manipulation In Quantum Dot**Nazli Rasouli Sarabi**, Tabriz University, Iran**Ali Rostami**, Tabriz University, Iran**Sanaz Shoar**, Tabrizuniversity, Iran**Mahshid Zand Mashayekhi**, Tabriz University, Iran**Karim Abbasian**, Tabriz University, Iran

P3.E. 34

Electrical Characteristics of The Graphene Under Vacuum and Atmosphere**Muhittin Öztürk**, Bozok University, Turkey**Hidayet Çetin**, Bozok University, Turkey**Munir Dede**, Nanomagnetic Instruments Ltd., Turkey**Enise Ayyıldız**, Erciyes University, Turkey**Ahmet Oral**, Sabancı University, Turkey

THEME F:

Organic and Hybrid Electronics: OLED, OTFT, OSC, DSSC

June 30, Thursday 15:00 – 16:30

SUNUM

P3.F. 1

*Analysis of Illumination Intensity Dependent Equivalent Circuits Parameters for Organic Solar Cells***Ömer Mermer**, Ege Üniversitesi, Turkey**Cem Baytöre**, Ege Üniversitesi, Turkey

P3.F. 2

*Morphology of Tris-edta Buffer Remnants on Solid Substrates***Merve Altay**, Istanbul Technical University, Turkey**Mazluma Balca Karaçor**, Istanbul Tec. Univ., Turkey**Mert Kumru**, Istanbul Technical University, Turkey**Alper Tunga Akarsubaşı**, Istanbul Technical Un., Turkey**Oğuzhan Gürlü**, Istanbul Technical University, Turkey

P3.F. 3

*A New 1*h*-pyridin-(2*e*)-ylidene Ruthenium Complex as Sensitizer for Dye Sensitized Solar Cell***Cigdem Sahin**, Pamukkale University, Turkey**Ceylan Zafer**, Ege University, Turkey**Canan Varlikli**, Ege University, Turkey**Qi Shi Shi**, University Of York, United Kingdom**Richard Douthwaite**, Un. Of York, United Kingdom

P3.F. 4

*Temperature Dependent Electrical Characterization of Au/pdi/n-si Schottky Diodes***Narin Şimşir**, Selçuk University, Turkey**Zeynep Nalçacıgil**, Selçuk University, Turkey**Haluk Şafak**, Selçuk University, Turkey**Ö.Faruk Yüksel**, Selçuk University, Turkey**Mahmut Kuş**, Selçuk University, Turkey

P3.F. 5

*Low Threshold Voltage PPVBased PLED Using Indium Free Anode***Nesrin Töre**, TUBITAK-UME, Turkey**Elif Altürk Parlak**, TUBITAK-UME, Turkey**Emine Tekin**, TUBITAK-UME, Turkey**Alp Osman Kodolbaş**, TUBITAK-UME, Turkey

P3.F. 6

*Poly (3-hexylthiophene) Based Field-effect Transistors with Gate Sio₂ Dielectric***Fatih Önal**, Gebze Institute of Technology, Turkey**Ahmet Demir**, Gebze Institute of Technology, Turkey**Yusuf Yerli**, Gebze Institute of Technology, Turkey**Arif Kösemen**, Gebze Institute of Technology, Turkey**Mustafa Okutan**, Yildiz Technical University, Turkey**Sait Eren San**, Gebze Institute of Technology, Turkey

P3.F. 7

*Performance of Colloidal Magnetic Nanoparticle Doped Polymer Leds***Mahmut Kus**, Selçuk University, Turkey**Faruk Özel**, Selçuk University, Turkey**Nurhan Mehmet Varal**, Selçuk University, Turkey**Mustafa Ersoz**, Selçuk University, Turkey

P3.F. 8

*Structure-reactivity Relationships of Alkyl α -hydroxymethacrylate And Acrylate Derivatives***Özge Gencer**, Bogazici Universitesi, Turkey**Özlem Karahan**, Bogazici Universitesi, Turkey**Viktorya Aviyente**, Bogazici Universitesi, Turkey

P3.F. 9

*Environmental and Structural Effects on the Band Gap of the Conducting Polymers with Bisfulleroid Group***Alimet Sema Özen**, Sabanci University, Turkey

P3.F. 10

Synthesis and Characterization of Carboxylic Acid and Ester Derivatives of Phthalocyanine Compounds**Gökçen Gündoğan**, Ege University, Turkey**Bircan Dindar**, Ege University, Turkey

P3.F. 11

Aggregation Induced Emission and Luminescence Properties of Novel Tetraphenylethylene-based Emitter with Indole Side Groups**Serhat Odabaş**, TUBITAK Marmara Res. Center, Turkey**Dr. Figen Türksoy**, TUBITAK Marmara Res. Center, Turkey**Prof. Dr. Cihangir Tanyeli**, Middle East Technical University, Turkey

P3.F. 12

The Synthesis and Characterization Of Polypyridyl Ruthenium (ii) Complexes With Swallow-tail Alkyl Chains**Cigdem Sahin**, Pamukkale University, Turkey**Ilker Oner**, Ege University, Turkey

P3.F. 13

Investigation of Photovoltaic Performance Differences In Dye Sensitized Solar Cells Based On Different Ionic Liquids By Electrochemical Impedance Spectroscopy**Banu Aydin**, Ege Un. Solar Energy Institute, Turkey**Saliha Özdemir**, Ege Un. Solar Energy Institute, Turkey**Ceylan Zafer**, Ege Un. Solar Energy Institute, Turkey**Canan Varlikli**, Ege Un. Solar Energy Institute, Turkey**Siddik Icli**, Ege Un. Solar Energy Institute, Turkey

P3.F. 14

Organic Electrochemical Light Emitting Field Effect Transistors**Cigdem Yumusak**, Yildiz Technical University, Turkey**Serdar Sariciftci**, Linz Institute for Organic Solar Cells, Austria

P3.F. 15

Development of Quantitative Structure-reactivity Relationships for the Free Radical Polymerization of Acrylate Monomers**Mehtap Işık**, Boğaziçi University, Turkey**Özlem Karahan**, Boğaziçi University, Turkey**Viktorya Aviyente**, Boğaziçi University, Turkey

P3.F. 16

The Effects of PEDOT:PSS layer and Temperature Annealing on the Performance of Inverted Type Polymer Solar Cells**Ergül Meltem Akcay**, Yildiz Technical University, Turkey**Adem Karsli**, Yildiz Technical University, Turkey**Nursel Yavuz**, Yildiz Technical University, Turkey**Serap Gunes**, Yildiz Technical University, Turkey

P3.F. 17

A Computational Approach To The Free Radical Polymerization Kinetics Of Ethyl (α -hydroxy) methacrylates In Solvent**Berna Dogan**, Bogazici University, Turkey

P3.F. 18

Enhanced Charge Mobility of Hole Transport Materials on Ito via Self Assembled Monolayers Investigated By Using Space-charge-limited Current**Ali Kemal Havare**, Ege University, Turkey**Nesli Yagmurcukardes**, Izmir Institute of Tec., Turkey**Hasan Aydın**, Izmir Institute of Technology, Turkey**Mavise Seker**, Izmir Institute of Technology, Turkey**Mustafa Can**, Ege University, Turkey**Serafettin Demic**, Ege University, Turkey**Salih Okur**, Izmir Institute of Technology, Turkey

P3.F. 19

Pleds Based on PPE-PPV Polymers**Emine Tekin**, TUBITAK-UME, Turkey**Selin Pravadılı Mucur**, TUBITAK-UME, Turkey**Elif Altürk Parlak**, TUBITAK-UME, Turkey**Daniel A. M. Egbe**, Linz Institute for Organic Solar Cells (LIOS), Austria

THEME G:

Nano-optics, Nano-Optoelectronics, Nano-Photonics

June 30, Thursday 15:00 – 16:30

SUNUM

P3.G. 1

*Temperature Dependence of Optical Properties of PMN-base Nano-powders***Mahdi Ghasemifard**, Shahid Beheshti University, Iran

P3.G. 2

*Determination and Analysis of the Optical Properties of Organic Perylene and Its Derivatives Thin Films***Zeynep Nalçacıgil**, Selcuk University, Turkey**Narin Şimşir**, Selcuk University, Turkey**Ö. Faruk Yüksel**, Selcuk University, Turkey**Mehmet Şahin**, Selcuk University, Turkey**Mahmut Kuş**, Selcuk University, Turkey

P3.G. 3

*Intersubband Optics in Semiconductor Quantum Wells Under The Electric And Magnetic Fields***İbrahim Karabulut**, Selçuk University, Turkey

P3.G. 4

*Inflective Structures on The Orbitals Of Electron Sharing Molecules With The Sthocastic Discontinuity Effects: The Definition Of Orbitron Mechanism***Taner Sengor**, Yildiz Technical University, Turkey

P3.G. 5

*Plasmonics Waveguide Arrays Based On Metal Nanoparticles***Halil Akcalı**, TOBB.ETU, Turkey**İbrahim Akcalı**, TOBB ETU, Turkey

P3.G. 6

*Nanlinear Optical Properties of Nanocrystalline ZnS: Mn Thin Films***Reza Sahraei**, University of Ilam, Iran**Alireza Goudarzi**, University of Golestan, Iran**Mohammad Hosien Majles Ara**, Tarbiat Moallem University, Iran**Ali Daneshfar**, University of Ilam, Iran

P3.G. 7

*New Frequency Generation with Metallic Nanoantennas on As₂Se₃***Hüseyin Duman**, UNAM, Turkey**Murat Kılınç**, Bilkent University, Turkey**Tural Khudiyev**, UNAM, Turkey**Mehmet Bayındır**, UNAM, Turkey

P3.G. 8

*Light Reflection from A Cholesteric Liquid Crystal Film***Sevda Özev**, Yuzuncu Yil University, Turkey**Hava Bektaş**, Yuzuncu Yil University, Turkey**Rıdvan Karapınar**, Yuzuncu Yil University, Turkey

P3.G. 9

*Studies on the Chromaticity and Phase Conversion in Nanocrystalline Y₂O₃: Eu Synthesized By Pechini and Combustion Methods***Yadolah Ganjkanlou**, MERC, Iran**Mahmood Kazemzad**, MERC, Iran**Fereidoun Alikhani Hessari**, MERC, Iran

THEME H:

Nano-Fabrication, Nano-Lithography, Nano-Manipulation

June 30, Thursday 15:00 – 16:30

SUNUM

P3.H. 1

Deposition and Characterization of YBCO/STO Thin Films on Cube-textured Niw Substrates By Pulsed Electron Deposition

Yasar Gul Mutlu, Selcuk University, Turkey

Zafer Mutlu, Selcuk University, Turkey

Oguz Dogan, Selcuk University, Turkey

P3.H. 2

Focused Ion Beam Based Prototyping, Structuring and Characterization of Organic Optoelectronic Devices at Nanoscale

Meltem Sezen, Graz University of Technology, Austria

Harald Plank, Graz University of Technology, Austria

Thomas Haber, Graz University of Technology, Austria

Christoph Auner, Joanneum Research GmbH, Austria

Evelin Fisslthaler, Graz University of Tech., Austria

Boril Chernev, Graz Center for Electron Microscopy, Austria

Werner Grogger, Graz University of Tech., Austria

Peter Poelt, Graz University of Technology, Austria

P3.H. 3

Synthesis, Transfer and Characterization of Cvd Growth Graphene on Gold and Cupper

Görkem Soyumer, Sabanci University, Turkey

Seda Aksoy, Sabanci University, Turkey

Cem Celebi, Sabanci University, Turkey

Ahmet Oral, Sabanci University, Turkey

Ismet Inonu Kaya, Sabanci University, Turkey

P3.H. 4

Construction of a Combined Non-contact Atomic Force Microscope & Scanning Tunnelling Microscope (NC-AFM/STM)

Derya Gemici, Sabanci University, Turkey

Ümit Çelik, Istanbul Technical University, Turkey

Ahmet Oral, Sabanci Universitesi, Turkey

Husnu Aslan, Sabanci Universitesi, Turkey

P3.H. 5

Effects of Roughness and Relative Humidity on Adhesion for Si (100)

Arzu Çolak, University of Twente, Netherlands

Herbert Wormeester, Un. of Twente, Netherlands

Harold J. W. Zandvliet, Un. of Twente, Netherlands

Bene Poelsema, University of Twente, Netherlands

P3.H. 6

Sensitive Position Detection in Optical Trapping By Optical Scattering

Ahmet Danış, Eskişehir Osmangazi University, Turkey

Sevinç Gündüz, Eskişehir Osmangazi University, Turkey

Elvan Sayın, Eskişehir Osmangazi University, Turkey

Sertaç Eroğlu, Eskişehir Osmangazi University, Turkey

P3.H. 7

Importance of Beam-steering In Optical Trapping

Sertaç Eroğlu, Eskişehir Osmangazi University, Turkey

Elvan Sayın, Eskişehir Osmangazi University, Turkey

Ahmet Danış, Eskişehir Osmangazi University, Turkey

Sevinç Gündüz, Eskişehir Osmangazi University, Turkey

THEME I:

Nanoscale Characterization, Nano-imaging, Nanoscopy, Nano-Metrology

June 30, Thursday 15:00 – 16:30

SUNUM

P3.I. 1

*Multi-frequency Measurements for Discerning the Layers***Mustafa Ürel**, UNAM, Turkey**Okan Öner Ekiz**, UNAM, Turkey**Aykutlu Dâna**, UNAM, Turkey

P3.I. 2

*Sensitivity Comparison of First Two Flexural Modes for Different Samples Using Bimodal-AFM***Tugba Nur Ozturk**, Istanbul Technical Un., Turkey**Ramazan Sahin**, Istanbul Technical University, Turkey**Umit Celik**, Istanbul Technical University, Turkey**Hakan Ozgur Ozer**, Istanbul Technical Un., Turkey

P3.I. 3

*Fabrication and Characterization of Nanocrystalline Cobalt Oxide Thin Films***Gholjamal Toghdori**, University of Guilan, Iran**Seyed Mohammad Rozati**, University of Guilan, Iran

P3.I. 4

*Low Temperature Scanning Probe Microscope (lt-spm) Operating in A Cryogen-free Cryostat, 1.5-300k***Özgür Karıcı**, NanoManyetik Bilimsel Cihazlar Ltd, Hacettepe University, Turkey**Gizem Durak**, NanoManyetik Bilimsel Cih. Ltd, Turkey**Yury Bugoslavsky**, Cryogenic Ltd, United Kingdom**Renny Hall**, Cryogenic Ltd, United Kingdom**Ahmet Oral**, Sabanci University, Turkey

P3.I. 5

*Surface Characterization of Materials by Microtomography And Comparison with Sem Stereoscopic Imaging: A Case Study For Volcanic Ash Particles***Orkun Ersoy**, Niğde University, Turkey**Erdal Şen**, Hacettepe University, Turkey**Erkan Aydar**, Hacettepe University, Turkey**Ilkan Tatar**, Hacettepe University, Turkey**Hakan Hamdi Çelik**, Hacettepe University, Turkey

P3.I. 6

*Use of AFM for Probing Charge Distribution On Oxide Surfaces In The Presence Of Specifically Adsorbing Ions.***Ayse Gurel**, Izmir Institute of Technology, Turkey**Gulnihal Ozek Yelken**, Izmir Institute of Tech., Turkey**Mehmet Polat**, Izmir Institute of Technology, Turkey

P3.I. 7

*Photon Scanning Tunneling Microscopy System for Observing Optical Excitations at Nanoscale Tunnel Junctions***Mehmet Selman Tamer**, Istanbul Technical Un., Turkey**Oğuzhan Gürlü**, Istanbul Technical University, Turkey

P3.I. 8

*Preparation and Study of Nanostructure Black Chrome By Electroplating Technique for Use in Solar Collector: Effect of Different Substrates***Zahra Jafari Farshami**, University of Guilan, Iran**Seyed Mohammad Rozati**, University of Guilan, Iran

P3.I. 9

*Scanning Tunnelling Microcopy (STM) At 20mk In A Cryogen Free Dilution Refrigerator (dr)***Munir Dede**, Nanomagnetics Instruments Ltd., Turkey**Chris Snelling**, Oxford Instruments, United Kingdom**Ahmet Oral**, Sabanci University, Turkey

P3.I. 10

Construction of Small Amplitude Atomic Force/ scanning Tunneling Microscope

Ramazan Şahin, Istanbul Technical University, Turkey

Umit Çelik, Istanbul Technical University, Turkey

Hakan Ozgur Ozer, Istanbul Technical Un., Turkey

P3.I. 11

Characterization of Nanostructure Black Nickel Coatings Electrodeposited On Brass Substrate for Using In Solar Collectors

Zahra Ghasempour, University of Guilan, Iran

Seyed Mohammad Rozati, University of Guilan, Iran

P3.I. 12

Measuring Lateral Forces of Graphene Layers Using Frictional Force Microscopy (FFM) At Different Crystallographic Directions

Nihan Özkan Aytekin, Istanbul Technical Un., Turkey

Selda Sonuşen, Sabanci University, Turkey

Ümit Çelik, Istanbul Technical University, Turkey

Hidayet Çetin, Bozok Univeristy, Turkey

Ahmet Oral, Sabanci University, Turkey

P3.I. 13

Fpga Based Fully Digital Lock-in And Phase Locked Loop (pll) For Non-contact Atomic Force Microscopy

Ümit Çelik, Istanbul Technical University, Turkey

H. Ozgur Ozer, Istanbul Technical University, Turkey

Ahmet Oral, Sabanci University, Turkey

P3.I. 14

Scanning Transmission Electron Microscope Studies on Interphase Boundaries In Al Infiltrated B4C

Pinar Kaya, Anadolu University, Turkey

Servet Turan, Anadolu University, Turkey

Gürsoy Arslan, Anadolu University, Turkey

P3.I. 15

Particular Thickness Effect on Relative Interfacial Displacements Fields

Hülya Öztürk, Ahi Evran University, Turkey

P3.I. 16

Determination of Residual Stresses and Nano Mechanical Properties of Nanostructured Materials After Different Shot Peening Processes

Okan Unal, Bartin University, Turkey

Abdullah Cahit Karaoglanli, Bartin University, Turkey

İbrahim Karademir, Bartin University, Turkey

Remzi Varol, Bartin University, Turkey

P3.I. 17

Study of TiO₂ (100) Reconstructed Surfaces by Scanning Nonlinear Dielectric Microscopy

Nobuhiro Sawai, Tohoku University, Japan

Yasuo Cho, Tohoku University, Japan

P3.I. 18

Nexafs-txm Of TiO₂-based Nanostructures

Peter Guttman, Helmholtz-Zentrum Berlin, Germany

Carla Bittencourt, University of Antwerp, Belgium

Xiaying Ke, University of Antwerp, Belgium

Gustaaf Van Tendeloo, University of Antwerp, Belgium

Polona Umek, Institute Jozef Stefan, Slovenia

Chris P. Ewels, Université de Nantes, France

Stefan Rehbein, Helmholtz-Zentrum Berlin, Germany

Gerd Schneider, Helmholtz-Zentrum Berlin, Germany

P3.I. 19

Towards Atomic-scale engineering Of Sialon Ceramics

Hilmi Yurdakul, Anadolu University, Turkey

Juan C. Idrobo, Oak Ridge National Laboratory, USA

Stephen J. Pennycook, Oak Ridge National Lab., USA

Servet Turan, Anadolu University, Turkey

P3.I. 20

Advanced Scanning Capacitance Microscopy

Mao-Nan Chang, National Chung Hsing Un., Taiwan

Chin-Wei Hu, National Chung Hsing Un., Taiwan

Tung-Huan Chou, National Nano Device Laboratories, Taiwan

THEME K: Nano-Fluidics
THEME L: Nano-Actuators, Nano-Sensors

June 30, Thursday 15:00 – 16:30

SUNUM

P3.K. 1

One Step Synthesis of Ceria (ceo2) Nanofluids With Enhanced Thermal Transport Properties.

Mohsin Saleemi, Royal Institute of Tec. (KTH), Sweden

Nader Nikkam, Royal Institute of Tec. (KTH), Sweden

Muhammet S Toprak, Royal Institute of Tec., Sweden

P3.K. 2

Poiseuille Flow in a Nano-channel

Nevsan Şengil, Turkish Aeronautical Ass. Un., Turkey

P3.L. 1

Co2 Gas Sensing Properties of Modified Carbon Nanotubes with Nitropyridine Functionlized P-tert-butylcalix [4] arene Molecule Measured by Quartz Crystal Microbalance Technique

Fevzi Sümer, Ege University, Turkey

Cebrail Özbek, İzmir Institute of Technology, Turkey

Ömer Mermer, Ege University, Turkey

Mustafa Yılmaz, Selçuk University, Turkey

Serkan Sayın, Selçuk University, Turkey

Mahmut Kuş, Selçuk University, Turkey

Salih Okur, İzmir Institute of Technology, Turkey

P3.L. 2

Size and Morphology Dependent Humidity-sensing Properties of Zno Nanostructures

Nurdan Aşar, Istanbul University, Turkey

Nesli Tekgüzel Yağmurekardes, Izmir Institute of Technology, Turkey

Ayşe Erol, Istanbul University, Turkey

Salih Okur, Izmir Institute of Technology, Turkey

M. Çetin Arıkan, Istanbul University, Turkey

P3.L. 3

Gas Sensing Properties of TiO2 Nanotubes Fabricated By Anodization of Ti Thin Films\Ti Bulk

Erdem Şennik, Gebze Yüksek Teknoloji Ens., Turkey

Necmettin Kılınç, Gebze Yüksek Teknoloji Ens., Turkey

Zafer Ziya Öztürk, Gebze Yüksek Teknoloji Ens., Turkey

P3.L. 4

Calix [4] arene Molecules with Various Functional Groups for Dichloromethane Sensing Using Quartz Crystal Microbalance (qcm)

Ibrahim Dursun, Izmir Institute Of Technology,

Cebrail Özbek, Izmir Institute Of Technology,

Fevzi Sümer, Ege University,

Ömer Mermer, Ege University,

Mustafa Yılmaz, Selçuk University,

Serkan Sayın, Selçuk University,

Mahmut Kuş, Selçuk University,

Salih Okur, Izmir Institute Of Technology,

P3.L. 5

Structural, Electrical, Optical Properties of Semiconductor Ru-sno2 Films Derived By Sol-gel Method and Humidity Sensor Application

Hande Sözbilen, Ege Üniversitesi, Turkey

Mustafa Erol, Dokuz Eylül Üniversitesi, Turkey

Murat Bektaş, Dokuz Eylül Üniversitesi, Turkey

Ömer Mermer, Ege Üniversitesi, Turkey

Erdal Çelik, Dokuz Eylül Üniversitesi, Turkey

P3.L. 6

Artificial Muscle by Using Nitinol

Kadir Sabancı, Selcuk University Doganhisar Vocational School, Turkey

THEME M: Nano-Robotics**THEME N: Nano-Mechanics, Nano-Tribology, Nano-Composites****June 30, Thursday 15:00 – 16:30****SUNUM**

P3.M. 1

Magnetic E.coli in Channel: Theory vs. Experiment**Ahmet Fatih Tabak**, Sabanci University, Turkey**Fatma Zeynep Temel**, Sabanci University, Turkey**Serhat Yesilyurt**, Sabanci University, Turkey

P3.N. 1

Effect of Two-step Sintering On Microstructure and Mechanical Properties of Mullite-sic Nanocomposites**Seyed Saeed Mirzaee**, Material And Energy Research Center (MERC), Iran**Esmail Salahi**, Material and Energy Research Center (MERC), Iran**Toraj Ebadzadeh**, Material and Energy Research Center (MERC), Iran

P3.N. 2

Solid Phase Extraction and Determination of Ultra Trace Amounts of Calcium and Magnesium Ions Using Modified Magnetite Nanoparticles and Flame Atomic Adsorption Spectrometry**Mohammad Ali Karimi**, Payame Noor University (PNU), Iran**Dadrahim Hooti**, Payame Noor University (PNU), Iran**Asghar Askarpour Kabir**, Payame Noor University (PNU), Iran**Shahla Nezhad Khorasani**, Payame Noor University (PNU), Iran

P3.N. 3

Properties of Zinc Borate – Polymer Nano Composite Materials**Osman G. Ersoy**, Arcelik A.S., Turkey**Ayhan Mergen**, Marmara University, Turkey**Eren Dalgakiran**, Arcelik A.S., Turkey**Hulya Bolek**, Arcelik A.S., Turkey

P3.N. 4

Mg/Si3N4 Nano-composite Surface Layers On Az31 by Friction Stir Processing**Roozbeh Nassiri**, 1Department of Welding, Science and Research Branch, Islamic Azad University, Iran**Seyed Farshid Kashani Bozorg**, Univ. of Tehran, Iran

P3.N. 5

Processing Of Carbon Nano-tubes Reinforced Polymers by Plastic Injection**Sinan Dönmez**, Marmara University, Turkey**Aykut Kentli**, Marmara University, Turkey

P3.N. 6

Mechanical Properties of Mixed-layered Clay/ polyethylene (mlc/pe) Nanocomposites**Ahmet Gürses**, Atatürk University, Turkey**Semra Karaca**, Atatürk University, Turkey**Kübra Güneş**, Atatürk University, Turkey**Metin Açıkyıldız**, Kilis 7 Aralık University, Turkey**Mehtap Ejder Korucu**, Ataturk University, Turkey**Çetin Doğan**, Erzincan University, Turkey

P3.N. 7

Production of Steel/tic Nano-composite Surface Layer Employing Friction Stir Processing**Ahmad Ghasemi**, University of Tehran, Iran**Seyed Farshid Kashani-Bozorg**, University of Tehran, Iran

P3.N. 8

In-situ Synthesis of Polystyrene Nanocomposites Containing Clay Modified with Vinylic Surfactants**Merve Çetintaş**, Istanbul Technical University, Turkey**Nurseli Uyanık**, Istanbul Technical University, Turkey

THEME O:

Nanotechnology for Energy (fuel cell, solar cell, hydrogen storage)

June 30, Thursday 15:00 – 16:30

SUNUM

P3.O. 1

*Amyloid-like Peptide Templated Synthesis of Anatase TiO₂ for DSSC Applications***Ruslan Garifullin**, Bilkent University UNAM, Turkey**Oya Ustahüseyin**, Bilkent University UNAM, Turkey**Mustafa Özgür Güler**, Bilkent Univ. UNAM, Turkey

P3.O. 2

*Investigation of Annealing Effects on the Structural and Optical Properties of CIGS Thin Films Deposited By Sputtering Technique***İdris Candan**, Middle East Technical University, Turkey**H. Hüseyin Güllü**, Middle East Technical Un., Turkey**Mehmet Parlak**, Middle East Technical Un., Turkey

P3.O. 3

*Determination of Optimal Carbon Content on A Particle Size of Life PO₄/C Cathode Active Nano-material For Lithium-ion Batteries***Ahmet Örnek**, Sakarya University, Turkey**Emrah Bulut**, Sakarya University, Turkey**Mahmut Özacar**, Sakarya University, Turkey

P3.O. 4

*Investigation of Structural, Electrical and Optical Properties of Cu_{1-x}Ag_xIn₂S₃ Thin Films with Different Cu-Ag Ratios***Hasan Hüseyin Güllü**, METU, Turkey**İdris Candan**, Middle East Technical University, Turkey

P3.O. 5

*Microwave-assisted Synthesis of Copper Nanofluids for Heat Transfer Applications***Nader Nikkam**, Royal Institute of Technology, Sweden**Mohsin Saleemi**, Royal Institute of Technology, Sweden**Muhammet Toprak**, Royal Institute of Tech., Sweden**Mamoun Muhammed**, Royal Institute of Tech., Sweden**Ehsan Bitaraf Haghighi**, Royal Institute of Tech., Sweden**Rahmatollah Khodabandeh**, Royal Inst. of Tech., Sweden**Björn Palm**, Royal Institute of Technology, Sweden

P3.O. 6

*Effects of Dielectric Environment of Metal Nanoparticles on Plasmonic Scattering for Light Trapping In Solar Cells***İrem Tanyeli**, METU, Turkey**Fırat Es**, METU, Turkey**Raşit Turan**, METU, Turkey

P3.O. 7

*Preparation and Characterization of the Thin Films of Delta-bi₂O₃-based Electrolyte Stabilized with Yb₂O₃ for Solid Oxide Fuel Cell Application***Handan Ozlu**, Erciyes University, Turkey**Ersay Ersoy**, Nigde University, Turkey**Soner Çakar**, Erciyes University, Turkey**Orhan Turkoğlu**, Erciyes University, Turkey

P3.O. 8

*Surface Plasmonic Enhancement of Bulk Heterojunction Solar Cells***Ahmet Deniz Usta**, Bilkent University, Turkey**Ali Kemal Okyay**, Bilkent University, Turkey

P3.O. 9

Magnetron Sputtering Of Large Area Ito Thin Films on Glass and Polycarbonate Substrates

Zeynep Meriç, İzmir Institute of Technology, Turkey

P3.O. 10

The Synthesis and Characterization of Composite LaNiO₃, 6FeO, 4O₃ /delta-dsb Thin Film Cathode Active Layers In Sofc's

Ersay Ersoy, Nigde University, Turkey

Handan Özlü, Erciyes University, Turkey

Soner Çakar, Erciyes Üniversitesi, Turkey

Orhan Turkoğlu, Erciyes University, Turkey

P3.O. 11

Indirect Hydrogen Storage In Metal Ammines

Adem Tekin, Istanbul Technical University, Turkey

THEME P: Nanotechnology in Textile, Agriculture and Food Science
THEME R: Social, economical and environmental effects, safety and ethical issues

June 30, Thursday 15:00 – 16:30

SUNUM

P3.P. 1

Zinc Oxide Nanowire Decorated Multifunctional Cotton Farbrics

Elif Selen Ates, Middle East Technical University, Turkey
Husnu Emrah Unalan, METU, Turkey

P3.P. 2

Silver Nanoparticles as New Agents to Extend Vase-life Of Cut Chrysanthemum Flowers

Mahdieh Mohadesi, Islamic Azad University, Iran
Amin Baghizadeh, Int. Center for Science, Iran
Dariush Afzali, International Center for Sciences, Iran

P3.P. 3

The Interaction between Selected Contaminators in Water Resources and Biological Molecules by Molecular Modelling Methods

Cemal Köprülüoğlu, Ege University, Turkey

P3.P. 4

Usage of the Ultrasound Technology for Producing Textile Finishing Chemicals Having Nano Particle Size

Onur Balci, The University Of Kahramanmaraş Sütçü Imam, Turkey

P3.P. 5

Electrospinning of Silk Fibroin/ Hyaluronic Acid Blend Nanofibers

Senem Karagönlü, Ege University, Izmir, Turkey
Güldemet Başal, Ege University, Izmir, Turkey
Oğuz Bayraktar, Izmir Institute of Technology, Turkey
Atay Atabey, Dokuz Eylül University, Turkey

P3.P. 6

Fabrication of Olive Leaf Extract Loaded Silk Fibroin/ Hyaluronic Acid Nanofibers

Senem Karagönlü, Ege University, Turkey
Güldemet Başal, Ege University, Turkey
Oğuz Bayraktar, Izmir Institute Of Technology, Turkey
Atay Atabey, Dokuz Eylül University, Turkey

P3.P. 7

Embedded TiO₂ Short Nanofibers into Polymeric Nanofibrous Matrix

Ali Ekrem Deniz, Bilkent University UNAM, Turkey
Aslı Çelebioğlu, Bilkent University UNAM, Turkey
Tamer Uyar, Bilkent University UNAM, Turkey

P3.P. 8

Cyclodextrin Functionalized Hydroxypropylcellulose Nanofibers via Electrospinning

Zeynep Aytac, Bilkent University- Unam, Turkey
Tamer Uyar, Bilkent University-Unam, Turkey

P3.P. 9

Electrospun Nanofibers from Non-polymeric Structures: Cyclodextrin Nanofibers

Aslı Çelebioğlu, Bilkent University-UNAM, Turkey
Tamer Uyar, Bilkent University-UNAM, Turkey

P3.P. 10

Investigation of Synergistic Effect of Zn and App for Flame Retardant Textile Finishing Chemical

Elif Kaynak, Anadolu University, Turkey
Mustafa E. Ureyen, Anadolu University, Turkey
A. Savas Koparal, Anadolu University, Turkey
Aydin Dogan, Anadolu Univesity, Turkey

P3.P. 11

Electrospinning of Acrylonitrile-vinyl Acetate Copolymers

Suat Çetiner, Istanbul Technical University, Turkey
Burcu Arman, Istanbul Technical University, Turkey
Selda Şen, Istanbul Technical University, Turkey
A. Sezai Saraç, Istanbul Technical University, Turkey

P3.P. 12

Electrokinetic Properties of the Grape Wood As A Low-cost Sorbent

Esra Evrim Yalçinkaya, Ege University, Turkey
Ebru Mavioglu Ayan, Ege University, Turkey
Gülşah Kıbrıslıoğlu, Ege University, Turkey
Aslı Toptaş, Ege University, Turkey

P3.P. 13

Air Permeability of A Micro-fiber Filter Coated With Pa6 Nanofibers

Gamze Doğan, Ege University, Turkey
Güldemet Başal, Ege University, Turkey
Oğuz Bayraktar, İzmir Institute of Technology, Turkey

P3.P. 14

Structures and Characterization of Inclusion Complexes of Vanillin With α -, β - And γ – Cyclodextrin

Fatma Kayacı, Bilkent University Unam, Turkey
Tamer Uyar, Bilkent University Unam, Turkey

P3.P. 15

Effect of Ambient Parameters on Electrospun Polyvinyl Alcohol (PVA) Nanofibers

Sema Helvacikara, Gaziantep University, Turkey
Ali Kirecci, Gaziantep University, Turkey

P3.P. 16

Silver Containing Nanofibers for Protective Clothes

Murat Demirbilek, Hacettepe University, Turkey
Zeynep Karahaliloğlu, Hacettepe University, Turkey
Eda Yalçın, Aksaray University, Turkey
Emir Baki Denkbaş, Hacettepe University, Turkey

P3.R. 1

Separation/preconcentration Of Hg (ii) In Water Samples Using Modified Magnetite Nanoparticles Prior To Determination By Cold Vapor Atomic Absorption Spectrometry

Mohammad Ali Karimi, Payame Noor University (PNU), Sirjan, Iran
Alireza Mohadesi, Payame Noor University (PNU), Kerman, Iran
Asghar Askarpour Kabir, Payame Noor University (PNU), Sirjan, Iran

P3.R. 2

Sister Chromatid Exchanges Induced By Titanium Dioxide Nanoparticles

Funda Demirtaş, Gazi University, Turkey
Fatma Ünal, Gazi University, Turkey
Deniz Yüzbaşıoğlu, Gazi University, Turkey

P3.S. 1

Turkish Accelerator Complex, Self Amplified Spontaneous Emission Free Electron Laser

Hatice Duran Yıldız, Dumlupınar University, Turkey
Ilker Yıldız, Metu, Turkey
Omer Yavas, Ankara University, Turkey