

POSTER SESSION 1

10 SEPTEMBER (15:15 - 15:45)

Chairs	Assoc.Prof.Dr. Berrin ÖZDEMİR - Prof.Dr. Faruk KARADAĞ
Poster No	Title
P01	<i>Optimization and Characterization of Fabrication Parameters of YBCO Superconducting Nanofibers Produced by Electrospinning</i> A. Ekicibil , V. Guckan, F. Aslan, S. Karavul, A.O. Ayaş, F. Karadağ, M. Akyol
P02	<i>Green Synthesis of Pd Nanoparticles Using Olives Leaves Extract: Investigation of Structural and Catalytic Properties</i> Nurhan Kaya, Batuhan Berk Sahin , Emre Can Tayfun, Faruk Karadag, Ahmet Ekicibil, Dogan Kaya
P03	<i>Au-Pt Nanostructures: Morphology-Driven Enhancement of HER Performance in Alkaline Media</i> Emre Can Tayfun , Ilknur Baldan Isik, Hasan Huseyin Isik, Idris Adanur, Mustafa Akyol, Dogan Kaya, Faruk Karadag, Ahmet Ekicibil
P04	<i>2D Borophene-Doped YBCO Superconductors Produced Using Sol-Gel Method: Production and Characterization</i> F. Aslan , V. Guckan, A.O. Ayaş, F. Karadağ, M. Akyol, A. Ekicibil
P05	<i>Tumor-Specific Fucoidan-Functionalized Mo₂C-MXene Hybrid Nanostructures for Efficient Synergistic Multitherapy of Triple-Negative Breast Cancer</i> Fatma Yurt , Ayça Tunçel, Derya Ozel, Gül Kaya, Ozde Gokbayrak, Efsun Kolatan, Osman Yilmaz, Safiye Aktas, Kasim Ocakoglu
P06	<i>Prediction of Biological Activities of Complexes of Chromium (III) with Schiff Bases Derived from 3-Nitroacetophenone with P-Aniline Derivatives: Insights from Experimental and In-Silico studies</i> Gideon Adamu Shallangwa , Mustapha Abdullahi, Musa Suleiman
P07	<i>Effects of Substrate Temperature on the Crystal Structure, Optical Properties, and Thickness of NiO Thin Films</i> Hafize Seda Aydınoğlu , Hicret Hopoğlu, Ebru Şenadım Tüzemen

P08	<i>Investigation of Morphological and Chemical Analyses of Ga₂O₃ Thin Films Grown on Sapphire Substrates</i> <u>Hicret Hopoğlu</u> , Hafize Seda Aydınoğlu, Ebru Şenadım Tüzemen
P09	<i>Organic Inorganic Hybrid Nanomaterial bearing HAP, Carbon Dots, and Pr (III): Methotrexate Release and in vitro Cytotoxic Activity</i> <u>İlayda KÖSE</u> , Rümeysa BEYAN TAŞDEMİR, Hatice BEKÇİ, Kasım BÜYÜKBEZİRCİ, Funda GÜNEY, M. Betül YERER AYCAN, Serkan DAYAN
P10	<i>Influence of AsH₃ Flow on the Structural, Optical, and Electrical Properties of InAlAs/InP Layers for QCLs</i> <u>Ömer SÜR</u> , Abdulrhman ALKRDY, Merve Nur KOÇAK, İlkey DEMİR
P11	<i>SiH₄ Flow-Dependent Doping Dynamics in MOVPE-Grown InGaAs for Mid-Infrared Quantum Cascade Lasers</i> <u>Riska Delvia</u> , Abdurahman Alkdry, Merve Nur Koçak, Murat Köksal, İlkey Demir
P12	<i>Improving the quality of AlN films with a gas flow sequence</i> <u>D.H. Unal</u> , I. Perkitel, G. Yolcu, I. Demir
P13	<i>Growth Control Strategies for Superlattice Structures in QCLs</i> <u>Merve Nur Koçak</u> , Aslı Bozkurt, Mohammad Alyosuf, Gamze Yolcu, İlkey Demir
P14	<i>Machine Learning-Based Modeling of Magnetic Field-Dependent Magnetization for Magnetocaloric Materials</i> <u>Mustafa Çakır</u> , Arda Kandemir, Ali Osman AYAŞ
P15	<i>Green Synthesis of Pd Nanoparticles Using Olives Leaves Extract: Investigation of Structural and Catalytic Properties</i> <u>Nurhan Kaya</u> , Batuhan Berk Sahin, Emre Can Tayfun, Faruk Karadag, Ahmet Ekicibil, Dogan Kaya
P16	<i>Significance of Deposition Time on Linear and Nonlinear Optical Properties of Cu_{0.06}Zn_{0.94}S Thin Films Grown by CBD</i> <u>O. Erken</u>
P17	<i>Characterization of BiFe_{1-x}Cr_xO₃ (x=0.0 and 0.1) nanoparticles in terms of their structure, magnetism, and optical properties</i> <u>Saroj Parajuli</u> , Mustafa Akyol

P18	<i>Luminescence Characterization of Ce-doped YBO₃ and GdBO₃ phosphors</i> <u>S. Darilmaz</u>, V. Altunal
P19	<i>Green Synthesis of Pt Nanoparticles Using Rosemary Extract: Structural and Catalytic Properties</i> <u>Selin Karavul</u>, Emre Can Tayfun, Dogan Kaya, Faruk Karadag, Ahmet Ekicibil
P20	<i>Thermoluminescence characteristics of SrB₆O₁₀:Dy,Na phosphors</i> A. Ozdemir, <u>V. Altunal</u>, Z. Yegingil
P21	<i>New Dosimetric Host for Radiation Dosimetry: La₂MgTiO₆ (LMT) ceramics</i> V. Altunal, V. Guckan, A. Ozdemir, O. Yigit, K. Kurt, <u>Z. Yegingil</u>
P22	<i>Characterization of Nanorod-Structured CdTe Thin Films Deposited by CBD</i> <u>Zeynep Karabacak</u>, Sevda İldan Özmen, Hülya Metin Gübür
P23	<i>Tuning the Properties of ZnO Thin Films Through pH Control</i> <u>D.Özbek</u>, Y. Atasoy, M.A. Olgar, R. Zan
P24	<i>Fabrication of CTS Thin Films on Flexible Mo-Foil via Two-Stage Processing</i> <u>M. Çam</u>, Y. Atasoy, R. Zan, M.A. Olgar

POSTER SESSION 2

11 SEPTEMBER (15:00 - 15:30)

Chairs	Prof.Dr. Rana ÖZBAKIR - Assoc.Prof.Dr. Doğan KAYA
Poster No	Title
P25	<i>Potentiometric detection of copper(II) ions based on a newly synthesized thiosemicarbazone derivative molecule</i> M. Elik, A. A. Kogu , O. Özbek, M. B. Gürdere
P26	<i>Development of One-Dimensional Photonic Structures Containing Metal-Organic Framework and Metal Oxide-Based Hybrid Materials for Volatile Organic Compound, Gas, and Humidity Sensing Applications</i> A. Bağcivan , M. Erkartal, M. Caglar
P27	<i>Combination Therapy of Primary Canine Mammary Adenocarcinoma with Mo₂C-MXene Nanosheets</i> Ayça Tunçel , Selin Güleç, Gül Kaya, Derya Ozel, Korhan Altunbaş, Özlem Özden Akkaya, Kasim Ocakoglu, Fatma Yurt
P28	<i>Green-Synthesized ZnO Nanoplates via sustainable DES as Photoanodes: Characterization and Irradiance-Dependent Performance in DSSCs</i> Batuhan Atay , Lorenzo Gontrani, Yasemin Caglar, Ozgur Polat, Mujdat Caglar, Marilena Carbone
P29	<i>The Fabrication of Novel Hydrogels for Controlled Molecule Delivery Applications in Agriculture</i> B. Özcan , F. Özdemir Güney, M. Küçükoflaz Korkmaz, A. Özgür Göksu, E. Çömlekçi, Ö.F. Gürkan, M. Sezen, H. Bülbül, S. Dayan
P30	<i>Topological Spin Textures in Chiral Magnetism: Skyrmions and Their Role in Spintronics</i> Çağatay Yalçın , Doğan Kaya, Ahmet Ekicibil, Faruk Karadağ
P31	<i>MenisoRegen-X: Precision Regeneration Formulation for the Meniscus</i> D. S. ERBAY , S. DAYAN
P32	<i>In Vitro Evaluation of Radiolabeled Trastuzumab-Conjugated Manganese-Iron Oxide Nanoplatfrom for Targeted PET/MR Imaging for HER2 Positive Breast Cancer</i> Derya Özel , Fatma Yurt

P33	<i>Structural and Optical Properties of ZnO Compound Synthesized via Polyol Method</i> <u>Emine Eslem Bulut</u>, Mehmet Selim Aslan, Hasan Huseyin Isik, Faruk Karadag, Dogan Kaya, Ahmet Ekicibil
P34	<i>Structural and Characterization of Pd-Ni Nanoparticles Synthesized by Modified Polyol Process</i> <u>Faruk Karadag</u>, Emre Can Tayfun, Zafer Eroğlu, Ruveyda Uguz, Onder Metin, Ahmet Ekicibil, Dogan Kaya
P35	<i>Production and Characterization of Dye-Sensitized Solar Cells Using Natural Dyes Extracted from Local Fruits and Vegetables</i> <u>H.K. Acik</u>, M. Caglar
P36	<i>Highly selective PVC–membrane potentiometric sensor for the determination of thiosulfate ions</i> <u>I. M. Eski</u>, O. C. Altunoluk, O. Özbek
P37	<i>Boosting AlN Thin Film Quality on Patterned Sapphire by Optimizing Temperature Profiles</i> <u>F. K. Özbakır</u>, İ. Altuntaş
P38	<i>Design and Synthesis of Carbazole–Thiophene Dyes for DSSC Applications</i> <u>K.Görgün</u>, K. Bozbal
P39	<i>GaInP/GaAs/Ge Semiconductor Cell Receiver for Fresnel Lens-Based Concentrated Photovoltaic Modules Developments and Performance Analysis</i> N. Demirtas Taylan, E. Kasapoglu, Y. Ozen, <u>M.B. Yücel</u>
P40	<i>Electrochemical Behaviour of the Ru1 Complex in Non-Enzymatic Glucose Sensors</i> <u>M.Kucukoflaz Korkmaz</u>, S.Dayan, N.Ozdemir, D.Erdener, O.Dayan, B.Cetinkaya
P41	<i>Pd-Co Nanoparticles with Enhanced Catalytic and Magnetic Properties</i> <u>Ruveyda Beyza Uguz</u>, Emre Can Tayfun, Faruk Karadag, Zafer Eroğlu, Onder Metin, Ahmet Ekicibil, Dogan Kaya
P42	<i>Sol–Gel Spin Coated SnO₂ TFTs: Influence of Gate Dielectric Material and Thickness on Device Performance</i> <u>S. Aktas</u>, M. Caglar

P43	<i>Characterization and Release Studies of Dual Drug-Loaded PEG-PLGA Nanoparticles for Lung Cancer Treatment</i> <u>Selin Güleç</u>, Fatma Yurt , Korhan Altunbaş
P44	<i>Biosensor Applications of Ruthenium Complexes Bearing Schiff Base Ligands</i> H.KAPLAN, E. K. U. KURUN , R. B. TAŞDEMİR, <u>S. DAYAN</u>
P45	<i>Fabrication and Characterization of ZnS/CdS Multilayer Thin Films by Chemical Bath Deposition</i> <u>Sahide Gülizar Kızıl</u>, Sevda İldan Özmen, Hülya Metin Gübür
P46	<i>Development of Surface-Modified Mesoporous Silica Nano-Carriers for Enhanced Drug Delivery</i> <u>F.Uyan</u>, S.Dayan
P47	<i>Design of Sc doped YRh intermetallic material: prediction of structural parameters and stability using density functional theory</i> <u>Merve Özcan</u>, Ali Kemal Havare, Cevher Ak