

## Friday, May 17, 2024 (Poster Session 16:00-17:00)

Address: Exhibition Area of the 75. Yil Conference Hall, Faculty of Science, Gazi University

Poster No	Title and Authors
P-1	<b>Effect of Buffer Layer Thicknesses on Efficiency of Cadmium Telluride Solar Cell Structures</b> Ersoy Y., Efkere H.İ., Ozen Y., Aydın S.Ş., Özçelik S.
P-2	<b>Solar Sail Development</b> Kılıç K.A.
P-3	<b>Investigation Of Optical Properties And Wettability In Anti-Reflective Film</b> Yunus E. KOÇ, Yashar Azizian-Kalandaragh
P-4	<b>Photocapacitance/conductance Characteristics of Si-based Heterostructure Interlaid with P(EHA) Functional Polymers Depending on Illumination Intensity</b> Ulusoy M., Balıkçı L.M., Güçlü Ç.Ş.
P-5	<b>Analysis of the effects of photonic crystals on the optical properties in low-dimensional materials</b> Yaqub M.A., Gupta H., Contino T., Ashraf M. W., Tamagnone M.
P-6	<b>Study of the role of Strontium in tuning structural, electric, optical and dielectric properties of Zinc Cobalt Spinel Ferrites</b> Parveen Iqra, Hafeez Anwar
P-7	<b>The Investigation of basic electrical parameters, photosensitivity, and energy dependent profile of interface traps (Dit) in the Au/n-Si (MS) type photodiodes with and without (ZnO-CeO<sub>2</sub>:PVP) interlayer by utilizing current-voltage (I-V) characteristics</b> Oray Üstün, Yashar Azizian-Kalandaragh
P-8	<b>Quantum Tip-Enhanced Raman Spectroscopy (QUTERS)</b> Özge Demirtaş, Batuhan Balkan, Taner Tarık Aytas, Ramazan Şahin, Mehmet Emre Taşgın, Alpan Bek
P-9	<b>Color Rendering Properties of Quantum Dot Embedded Glasses: Evaluation with IES TM-30-18</b> Balaban, M., Yükselici, M. H.
P-10	<b>Estimation of the Reduced Effective Mass of Charge Carriers in PbS Nanostructures using the Effective Mass Approximation (EMA) and Hyperbolic Band Model (HBM)</b> Rabia Şahin, Ali Barkhordari, Yashar Azizian-Kalandaragh
P-11	<b>Effect of Hole Transport Layer Thicknesses on Efficiency of CdTe/CdS Solar Cell</b> Varol B., Efkere H.İ., Ozen Y., Aydın S.Ş., Özçelik S.
P-12	<b>Developing Anti-Reflective Thin Films on GaAs Substrate for Infrared Applications</b> Sayın B., Özçelik S.
P-13	<b>High-Precision Measurement of Refractive Indices of Liquids and Thin Films Using the Fresnel Diffraction Method</b> Karakaya G.C., Azizian-Kalandaragh Y.
P-14	<b>Anti-Reflective Layer Design Using Scattering Matrix Method for P3HT:PCBM Organic Solar Cell</b> Dereli T., Dilek E., Durgun A., Hatipoglu I.
P-15	<b>Investigation of Optical, Structural and Morphological Properties of Zirconium Oxide Thin Films</b> Selim Y.N., Toprak B.Ç., Efkere H.İ., Tataroğlu A., Aydın S.Ş., Özçelik S.
P-16	<b>Electric and Optic Properties of B<sub>1-x</sub>Al<sub>x</sub>N Alloys Using Ab Initio Calculation</b> Bayal Özlem., Öztürk M. Kemal
P-17	<b>Diffraction beam shaping element for generating multiple structured beams with distinct spatial structures</b> Ebrahimi H., Sabatyan A.
P-18	<b>Novel Optical Arrays using a Multi-Focusing Complex Sinusoidal Grating-Based Spiral Zone Plate</b> Ebrahimi H., Sabatyan A.
P-19	<b>Object Detection with Deep Learning A in Microscopy Applications</b> Farazin J., Rahmani M., Hajizadeh F., Ahadi Akhlaghi E.
P-20	<b>Improving Spatial Resolution in Point-Scanning Fluorescence Microscope Using Bessel Beams</b> Hajipoor Z., Shadafroz H., Fazlalizadeh Z., A. Akhlaghi E.

P-21	<b>Investigation of surface roughness by scattering method</b> Atefeh Sadeghi, Jafar Mostafavi Amjad
P-22	<b>Novel 1D Helico-Conical Optical Beam Generation via Restructured Linear Zone Plates</b> Fatehi M., Sabatyan A. , Ebrahimi H.
P-23	<b>Investigating the relationship between the induced current in the excitation of surface plasmon sensors with the reflection optical spectrum</b> Mollaha Maryam
P-24	<b>Polarization-Dependent Modulation of Surface Plasmon Resonance with Highly Focused Gaussian Beams</b> Delgoshaei S., Abdollahpour D., Mostafavi Amjad J.
P-25	<b>The Influence of Azimuth Phase on the Diffractive Behavior of Axilens</b> Javidi B., Sabatyan A.
P-26	<b>Frequency and voltage dependence of complex dielectric, coelectric modulus and ac conductivity (sac) in the Al/DLC/p-Si structures in wide range frequency and voltage</b> Balci E., A. Feizollahi Vahid A., Altındal Ş.
P-27	<b>Analysis of Pore Sizes in Porous Glasses Produced Using HF, H<sub>2</sub>SO<sub>4</sub>, and HNO<sub>3</sub> Acids</b> Nisa N. Yener, Mehmet F. Elmas, Oğuz K. Seymen, Berkcan Erenler, Nihan Akın Sönmez
P-28	<b>Development of Full Reflective Reflector for Solid-State Lasers</b> Mahmut Çağlayan, Rabia Şahin, Elif Temel, Utku Y. C. Aslan, Süleyman Özçelik
P-29	<b>Synthesis and Characterization of FTO Thin Films Coated by Sol-Gel Method</b> Gamze Altun, Ali M. Gündoğdu, Kaan Yilmaz, Süha G. Kara, Betül Satılmış, Tuğçe Ataşer
P-30	<b>Investigation on Electrical Properties of MIS SDs with Cu-doped Diamond Interlayer</b> Feizollahi Vahid A., Urgun N., Avar B., Altındal Ş.
P-31	<b>Investigation of Surface Plasmon Resonance for E.coli Bacteria in the Vicinity of a Silver Nano Layer</b> Mahdis Mirabioun, Jafar Mostafavi Amjad
P-32	<b>Analysis of Nb<sub>2</sub>O<sub>5</sub> Films Coated on PI Substrates by Sol-gel Technique Which Can Be ETL Layer in Solar Cells</b> Ramazan ALPAY, Süha G. KARA, Berk SERBEST, Tuğçe ATAŞER, Nihan A. SÖNMEZ, Barış KINACI, Süleyman ÖZÇELİK
P-33	<b>Soft Lithography Techniques for Creating Tunable Lenses with Custom 3D Masks</b> Emira Aslan
P-34	<b>Comparing Illusory Movement Perception in Dyslexic and Typically Developing Children</b> Rasouli Z.*, Rasouli S., Salehi J.