



8th International Conference
on Materials Science and Nanotechnology for Next Generation

14-16 July 2021

CONFERENCE PROGRAM

8th International Conference on Materials Science and Nanotechnology for Next Generation 14-16 July 2021				
Scientific Program – Oral Sessions Wednesday 14 July 2021				
10:00	10:10	ROOM 1	Congress Opening Ceremony Firat University Opening ceremony chair: Assoc.Prof. Canan AKSU CANBAY	
10:10	10:25		Congress Opening Speech Prof. Dr. Fahrettin GÖKTAŞ Rector of Firat University	
10:25	10:40		Congress Opening Speech Prof. Dr. Fahrettin YAKUPHANOĞLU Firat University	
10:40	10:45		BREAK	
			ROOM 1	ROOM 2
10:45	11:00	ROOM 1&2	Concurrent Session 1 Session Chair: Prof. Dr. Deniz Sunar Çerçi Adiyaman University	Concurrent Session 2 Session Chair: Prof. Dr. Salim Çerçi Adiyaman University
			The role of Bismuth oxide in improving the physical properties of antimony glass Abdelhakim Bedra	Synthesis of visible light active Cu-S co-doped mesoporous TiO ₂ nanoparticle Abubakar Hamisu
			The investigation of photophysical properties of 2-(carbazol-3'-yl)-4-formylpyridine Ahmet Battal	The behaviour of series resistance and surface states under gamma-irradiation in BTO-SiO ₂ interfacial-layered MFIS structure Ahmet Kaymaz
			Photodimerization and effects of graphite oxide loadings on the thermal behavior, electrical conductivity of a methacrylate copolymer system containing coumarin moieties Abdulhaleem Abdulkareem	DFT/QE calculations on the sulphur-Graphdiyne and its Hydrogen peroxide sensitivity Alev Sakarya
			An experimental study on using an electrospun pH-sensitive colorimetric marker for monitoring freshness of chicken breast as an indicator-label Ayben Pakolpakçil	Structural and Magnetic Properties with Magnetocaloric Effect in Pr(Gd _{1-x} Bax)Mn ₂ O ₆ Double Perovskite Manganite System Arda Kandemir
			Probing compressed slepton production at future large hadron collider Ali Çelik	Effect of Glass Powder on the Surface and Microstructural Properties of Dual Phase Steels Ayşe Nur Acar
12:00	12:20		BREAK	
			Room 1 Session Chair: Dr. Özgür POLAT	
12:20	12:40	ROOM 1	Invited Speaker: "Lasers and their applications in materials" Prof. Dr. W. Aslam FAROOQ King Saud University, SAUDI ARABIA	
			BREAK	
			Invited Speaker: "β-Ga ₂ O ₃ materials and Schottky barrier diodes" Prof. Dr. Nouredine SENGOUGA University of Biskra/ ALGERIA	
			BREAK	
13:05	13:10		BREAK	
			ROOM 1	ROOM 2

13:10	13:25	ROOM 1&2	<i>Concurrent Session 3</i> <i>Session Chair: Assoc.Prof. Mustafa Akyol</i> <i>Adana Alparslan Türkiye Science and Technology University</i> Preparation of SCP ball type CoPc and their Graphite oxide composites: their characterization and electrical behaviors Abdullahi Musa Abubakar	<i>Concurrent Session 4</i> <i>Session Chair: Prof. Dr. Serap Şentürk Dalgıç</i> <i>Trakya University</i> Prediction of DC breakdown voltage of air under non-uniform field electrode configurations using design of experiments (DOE) methodology Abdelkader Nadjem	
13:25	13:40		Natural bond orbital analysis of 2-chloro-7-Methylquinoline-3-carbaldehyde Nihal Kuş	Electrochemical Behaviours of Chitosan-Conducting Polymer Composite Betül Çiçek Özkan	
13:40	13:55		Computational analysis (DFT method), thermodynamic investigations and molecular docking studies on 1-(2'-Thiophen)-3-(2,3,5-trichlorophenyl)-2-propen-1-one Cengiz Ipek	Synthesis of Metal Free Organic Dyes Containing Carbazole and Anthracene Derivative for Dye-Sensitized Solar Cells Betül Derince	
13:55	14:10		Molecular docking study of the benzylidene-bis-(4-hydroxycoumarin) derivatives as antiviral to coronavirus COVID-19 Cengiz Ipek	SME characterization of high temperature ternary shape memory alloy Canan Aksu Canbay	
14:10	14:25		Development of Gold Nanoparticle Templated Nucleic Acid Assembly for Gene and Drug Delivery Cansu Ümran Tunç	Silica aerogel nanocomposites derived from agricultural waste Gülcihan Güzel Kaya	
14:25	14:40		Structure analysis of bimetallic Pt _{0.5} Cu _{0.5} nanoparticle synthesized by modified polyol method Hasan Hüseyin Işık	Recovery of Pb with Pervaporation Method Using Hydrophilic Membrane Fatma Kurşun Baysak	
14:40	14:55	BREAK			
14:55	15:15	ROOM 1	Room 1 Session Chair: Prof. Dr. Faruk Karadağ Invited Speaker: "Exploring the case of mesoscopic carbon-based perovskite solar cells with promising stability in moisture and ambient air" Prof. Dr. Elias STATHATOS <i>Nanotechnology and Advanced Materials Laboratory, University of Peloponnese, Patras, GREECE</i>		
15:15	15:20		BREAK		
15:20	15:40		Invited Speaker: "Strategies for Highly Efficient and Stable Perovskite Solar Cells" Prof. Dr. Mahmut KUŞ <i>Konya Technical University, TURKEY</i>		
15:40	15:45		BREAK		
		ROOM 1		ROOM 2	
15:45	16:00	ROOM 1&2	<i>Concurrent Session 5</i> <i>Session Chair: Prof. Dr. Faruk Karadağ</i> <i>Cukurova University</i> Control and synchronization of chaotic and hyperchaotic systems by fractional controller using the fuzzy model of takagi-sugeno Belgacem Mecheri	<i>Concurrent Session 6</i> <i>Session Chair: Prof. Dr. Müjdat Çağlar</i> <i>Eskişehir Technical University</i> Gadolinium doped nano- titania : preparation and some interesting properties Chaïma Ouled Amor	
16:00	16:15		Magnetically Separable PtCo Alloys for Hydrogen Evolution Catalysis Doğan Kaya	Solvent Impact on The Electrical and Optical Properties of Al:ZnO Thin Films for The Optoelectronic Applications Ebru Güngör	
16:15	16:30		Molecular dynamics simulation on the effect of pressure on the homogenous nucleation kinetics of Ag-Au ordered alloy and Determination of thermal and nucleation rate properties of Pd-Au, Pd-Au and Ag-Au metallic systems: A molecular dynamic study Ebru Tanboğa Korkmaz	The effect of conductive weft-knitted fabric structure on electromagnetic shielding at 1-12 GHz frequencies Ediz Delihanlar	
16:30	16:45		Determination of thermal and nucleation rate properties of Pd-Au, Pd-Au and Ag-Au metallic systems: A molecular dynamic study and Molecular dynamics simulation on the effect of pressure on the homogenous nucleation kinetics of Ag-Au ordered alloy Ebru Tanboğa Korkmaz	A computational study of silicon and germanium-based molecules in terms of solar cells performance Emine Tanış	
16:45	17:00		Co Doping Effect on The Impedance Behaviour in ZnO Electrolytic Material Tayyar Güngör	Nanofluids and Application Areas Edip Taşkesen	
17:00	17:15		Investigation of electric properties of Al/Aluminum nitride/p-Si Schottky Diodes in a wide range of frequency	Investigation of temperature and frequency effect on conductance and susceptance properties of spiro-cyclotriphosphazenes	

			Evin Yiğit	containing cyclohexane/hexyl substituted coumarin groups Eray Çalışkan
17:15	17:30		Structural characterization of ZnO-NiO composite photodiodes produced by drop casting method Ezgi Gürgeç	An experimental study on the modeling of the electrochemical capacitor with Ag-doped SnO ₂ nanocomposite via Particle Swarm Optimization method Gürkan Kavuran
17:30	17:45		Preparation of Titanium Dioxide Loaded Gelatin and Chitosan-Based Hydrogel and Investigation of Their Antibacterial Effects Azime Erarslan	Surface Modification of c-TiO ₂ Layer by Pyridine for Improved Efficiency in Perovskite Solar Cells Esmayenel
17:45	18:00		The Change of Hole Carrier Concentration in BSCCO n=3 Glass-Ceramic Superconductor by Addition of TiO ₂ Nano Particles Özlem çiçek	Simulation of FMR Spectra of Single Crystal TiO ₂ Plate Implanted by Co Özgül Karataş
18:00	18:15		Experimental Determination of the Silica Solubility of the Basement Rocks in the Epithermal Systems Hatice Ünal Ercan	Bis(2-hydroxyethyl) 2-aminosuccinate Derived Polyurethanes Gülce Taşkor Onel
18:15	18:20		BREAK	
			ROOM 1	ROOM 2
18:20	18:35		<i>Concurrent Session 7</i> <i>Session Chair: Assist. Prof. Doğan Kaya</i> <i>Cukurova University</i>	<i>Concurrent Session 8</i> <i>Session Chair: Prof. Dr. Deniz Sunar Çerçi</i> <i>Adiyaman University</i>
			Enhancement of silicon solar cell performance by introducing selected defects in the sio ₂ passivation Djema Attafi	Effect of the surfactant SLES on the optical properties of PbS thin films Ersin Yücel
18:35	18:50	ROOM 1 & 2	Modeling of Random Oriented Carbon Nanotube Reinforced Composites Emre Köroğlu	Investigation of the capacitive effects of the three dimensional supercapacitor obtained by adding different amounts of Fe ³⁺ to g-C ₃ N ₄ /graphene hydrogels Ersan Harputlu
18:50	19:05		Waste tire rubber reinforced polyester composite production and characterization Ercan Aydoğmuş	Investigation charge transfer performance of silver based electrode with coating single- layer graphene obtain by chemical vapor deposition Ersan Harputlu
19:05	19:20		The synthesis and characterization of Zn doped TiO ₂ nanoparticle with enhanced photocatalytic activity for organic pollutant degradation Hatice Çağlar Yılmaz	Production of LiFePO ₄ Cathode material by Glass-ceramic technique and the Investigation of Thermal Kinetics Sebahat Altundağ

Scientific Program – Oral Sessions			
Thursday 15 July 2021			
09:30	09:40	ROOM 1	2 nd Day Opening Speech Prof. Dr. Serap Şentürk DALGIÇ Trakya University Room 1 Session Chair: Dr. Özgür POLAT
09:40	10:00		Invited Speaker: “The advantages and challenges of ZnO-based light emitting diodes (LEDs)” Prof. Dr. Ali Abdolazadeh ZIABARI Islamic Azad University, IRAN
10:00	10:05		BREAK
10:05	10:25		Invited Speaker: “Interactions of Small Metal Alloy Clusters with Hydrogen on Pd -doped C3N nanoribbons: A DFT Study” Prof. Dr. Serap Şentürk DALGIÇ Trakya University, TURKEY
10:25	10:30		BREAK
		ROOM 1	ROOM 2
10:30	10:45	ROOM 1&2	Concurrent Session 1 Session Chair: Assoc. Prof. Ahmet Ekicibil Çukurova University
			Concurrent Session 2 Session Chair: Assist. Prof. Doğan Kaya Cukurova University
			Increase in the relative cooling power of $x\text{La}_{0.67}\text{Ca}_{0.27}\text{Sr}_{0.06}\text{MnO}_3 / (1-x)\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{0.94}\text{Ni}_{0.06}\text{O}_3$ Composites ($x = 0.25, 0.50$ and 0.75) Gönül Akça
			Modelling Ni/ β -Ga ₂ O ₃ Schottky barrier diode deposited by confined magnetic field-based sputtering Madeni İbeler
			Analysis of isothermal compressibility and bulk modulus as a function of pressure in Methylhydrazinium Manganese Hypophosphite Perovskites Sedat Avcı
		Magnesium Effect on Characteristic Properties of Cu-based Ternary Shape Memory Alloy Systems Güneş Başbağ	
10:45	11:00		
11:00	11:15		Preparation and characterization of SERS material using graphene oxide and silver nanocubes Gökhan Dikmen
			Electrical characteristics of Au/p-Si (MS) Schottky Diodes (SDs) with and without (graphene-PVP) interfacial layer H. G. Çetinkaya
11:15	11:30		Hydrazine trapping ability of Ti-N ₄ and Cr-N ₄ Graphene-based catalyst Hilal Küçük
			Analysis of main electrical characteristics of Al/GO-PTCDA/p-Si structure at room temperature Halil Seymen
11:30	11:45		Organic Materials and solar cell applications İkram Orak
			Use of Plasmonic Nanoparticle Coated Peptide-Based Hydrogels in Catalysis Application Hakan Erdoğan
12:00	12:15		BREAK
			Room 1 Session Chair: Prof. Dr. Ebru Şenadım Tüzemen
12:15	12:35	ROOM 1	Invited Speaker: “Current development in 2-Dimensional Materials for Energy Applications” Prof. Dr. Ram K. GUPTA Department of Chemistry, Pittsburg State University/USA
12:35	12:40		BREAK
12:40	13:00		Invited Speaker: “Synthesis and Characterization of Half-Heusler ScPtBi Thin Films” Dr. Özgür POLAT Central European Institute of Technology (CEITEC) Brno University of Technology, CZECH REPUBLIC
13:00	13:05		BREAK
		ROOM 1	ROOM 2
13:05	13:20	ROOM 1	Concurrent Session 3 Session Chair: Assist. Prof. Mehmet Ali Olgar Niğde Ömer Halisdemir University
			Concurrent Session 4 Session Chair: Assoc. Prof. Recep Zan Niğde Ömer Halisdemir University

			Investigation of Physical Parameters of Cu-13.5Al-4Ni Shape Memory Alloy Aged Under Constant Pressure Hawbir Manguri	Comparative Analysis of Tryptophane Using Different Solvent İbrahim Isah Nasidi
13:20	13:35		WPET reinforced polyester composite production and thermal characterization by RSM design Hasan Arslanoğlu	Medicinal Analysis of Cortisone Using Spectroscopic Methods İbrahim Isah Nasidi
13:35	13:50		Magnetically controlled structural transition in Ni50Mn26Ga24B2 alloys Gökhan Kirat	MnO ₂ /g-C ₃ N ₄ /Co ₃ O ₄ nanocomposite as a promising supercapacitor electrode with high cycling stability Hilal Peçenek
13:50	14:05		A dft study on electronic and nonlinear optical properties of Graphene quantum dots Hatice Kılınc	Electrochemical characterization of sulfur-doped CNT/MnO ₂ composites prepared by a facile synthesis Hilal Peçenek
14:05	14:20		Investigation of Silane and Stearic Acid Surface Modification of Mussel Shell on Mechanical and Physical Properties of Thermoplastic Polyurethane/Mussel Shell Composites Sedef Şişmanoğlu	Artificial intelligence sense in nanotechnology Ferhat Uçar
14:20	14:30		BREAK	
			Room 1 Session Chair: Prof. Dr. Yasar AZIZIAN	
14:30	14:50	ROOM 1	Invited Speaker: "Photodynamic Therapy (PDT) Applications in Biophotonics" Assoc.Prof.Dr. Muhammad Atif King Saud University Riyadh/SAUDI ARABIA	
14:50	14:55		BREAK	
14:55	15:15		Invited Speaker: "Multifunctional Chitosan-Based Materials: Recent trends and emerging perspectives" Dr. Saira Bibi Department of Chemistry, Hazara University Mansehra, PAKISTAN	
15:15	15:20		BREAK	
			ROOM 1	ROOM 2
15:20	15:35	ROOM 1 & 2	<i>Concurrent Session 5</i> Session Chair: Prof.Dr. Ebru Şenadım Tüzemen Cumhuriyet University	<i>Concurrent Session 6</i> Session Chair: Prof. Dr.Yasar AZIZIAN Gazi University
			Crystal structure ,physical study and Hirshfeld surface analysis of 0D antimony single crystals İmen Tlili	Different Solvent Analysis of Lawsone as an Organic Semiconductor İsah İbrahim Nasidi
15:35	15:50		Synthesis, characterization and antibacterial performance of syzygium aromaticum oil based polyurethanes İdil Karaca Açarı	Spectroscopic Analysis of Lawsone as an Organic Semiconductor İsah İbrahim Nasidi
15:50	16:05		Superconductivity in double side Au-Pd and Ni coated YBCO thin slabs Murat Özabacı	Surface-enhanced Raman Spectroscopy Applications in Biomedical Engineering Ömer Aydın
16:05	16:20		Investigation of electrical parameters of Al/GO-PTCDA/p-Si semiconductor structures under different light intensities Mahmut Yumuk	A DFT study on the interactions of acid molecules with 2D polyaniline (C3N) nanosheets Serap Şentürk Dalgıç
16:20	16:35		Investigation Of Dielectric Properties In Al/Pcbm/N-GaAs Structures With Impedance Spectroscopy Method Selçuk Demirezen	Synergic effect of ZnO and Au on the photocatalytic performance of TiO ₂ microspheres Senem Sanduvaç
16:35	16:50		Electrical Properties Of Phthlocyanine Based Interlayer On Al/P-Si//Al Photodiodes Selçuk Demirezen	Production of MnO ₂ -based Nanostructures and Investigation of their Photocatalytic Effects Senem Sanduvaç
16:50	17:00		BREAK	
			Room 1 Session Chair: Prof. Dr. W. Aslam Farooq	
17:00	17:20	ROOM 1	Invited Speaker: "A study of PMMA/silver thin films using spectroscopic ellipsometry" Prof. Dr. Husam Al NASSER Al Al-Bayt University, JORDAN	
17:20	17:25		BREAK	
			ROOM 1	ROOM 2

17:25	17:40	ROOM 1 & 2	<i>Concurrent Session 7</i> <i>Session Chair: Assist. Prof. Doğan Kaya</i> <i>Cukurova University</i>	<i>Concurrent Session 8</i> <i>Session Chair: Prof. Dr. W. Aslam Farooq</i> <i>King Saud University, SAUDI ARABIA</i>
			Synthesis, Characterization and Photocatalytic decolourization of congo red dye using Ecofriendly ZnAl/CB LDH Nanocatalyst Maimuna Umar Zarewa	Size-dependent bending behavior of functionally graded nanobeams via a novel nonlocal parabolic shear deformation theory Mohamed-Ouejdi Belarbi
17:40	17:55		The effect of RGO nanoparticles on Co3O4 specific capacitance of supercapacitors: A novel and economical approach to derive highly capacitive cathode electrode Sevda Yetiman	The Effect of TiO2 additive on shape memory composites with PVA matrix Nihan Ünlü
17:55	18:10		Correlation Analysis between TSI and EMFC During 24th Solar Cycle over İstanbul Region Emrah Yalçın	Temperature dependence of electrical parameters of Al/GO-PTCDA/p-Si semiconductor structures Niyazi Berk
18:10	18:25		The Hirshfeld Surface analysis, non-linear optical (NLO) and electronic properties studies of 3,5,7-trichloro-3-methyl-2(3H)-indolone İlknur Baldan Işık	Dielectric properties before and after gamma-irradiation in Au/Bi4Ti3O12-SiO2/n-Si type MFIS structure Esra Evcin Baydilli
18:25	18:40			
18:40	18:55			

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Scientific Program – Oral Sessions Friday 16 July 2021			
09:30	09:40	ROOM 1	3 rd Day Opening Speech Prof. Dr.Nihal KUŞ <i>Eskişehir Technical University/TURKEY</i>
			Room 1 Session Chair: Prof.Dr. Ebru Şenadım Tüzemen
09:40	10:00		Invited Speaker: "Upper Critical Fields and Thermally Activated Transport of Single Crystal Bi ₂ Se ₃ /FeSe _{0.5} Te _{0.5} Superconductor Material" Prof.Dr. Mehmet Eyüphan YAKINCI <i>Iskenderun Technical University, Hatay, TURKEY</i>
10:00	10:05		BREAK
10:05	10:25		Invited Speaker: "Novel Carbon dots for increasing efficiency of solar cells and sensing" Assoc.Prof.Dr. Marco Antonio SCHIAVON <i>Universidade Federal de São João Del Rei, BRAZIL</i>
10:25	10:30		BREAK
		ROOM 1	ROOM 2
10:30	10:45	ROOM 1 & 2	<i>Concurrent Session 1</i> Session Chair: Prof.Dr. Ebru Şenadım Tüzemen <i>Cumhuriyet University</i>
			<i>Concurrent Session 2</i> Session Chair: Prof. Dr. Müjdat Çağlar <i>Eskişehir Technical University</i>
			Methodological review of the literature refers to High entropy alloys by using Bibliometrics analysis Phsdar Ahmed Ibrahim
			Improving the properties of undoped indium oxide thin films by the sol –gel method Rahima Nouadji
10:45	11:00		The Role of Inorganic Perovskite Quantum Dots on the Moisture-Stability of Organic-Inorganic Metal Halide Perovskites Hüseyin Dursun
			Investigation of the effect between environment friendly g-C ₃ N ₄ nanoparticles to Co ₃ O ₄ for supercapacitors application Sevda Yetiman
11:00	11:15		Low-Temperature-Processed Mesoporous SnO ₂ for High-Efficiency Perovskite Solar Cells Veysel Özkaya
		The optical and electrical properties of Co doped NiO thin films Şerif Rüzgar	
11:15	11:30	On the Negative Capacitance Behaviour at Low Frequency in Au/ITO-PVP/ n-Si Structures Seda Bengi	
		The optical and electrical properties of Cd and Ce co-doped ZnO thin films prepared by sol-gel method Şerif Rüzgar	
11:30	11:45	Electrodeposition of p-type Copper-oxide films from an alkaline solution M. Cüneyt Hacismailoğlu	
		Light-induced tuning of the Schottky barrier height in self-powered graphene/silicon based photodiodes Mehmet Fidan	
11:45	12:00	Characterization Of Polyurethane Composites Reinforced with Waste Crumb Rubber Maruf Hürşit Demirel	
		Structural properties of silicon nanowires produced by metal-assisted chemical etching method Ecem Bozdoğan	
12:00	12:20		BREAK
			Room 1 Session Chair: Prof. Dr. Müjdat ÇAĞLAR
12:20	12:35	ROOM 1	Invited Speaker: "Self-healing features of structured light" Prof.Dr. Yashar Azizian-Kalanderagh <i>Gazi University/ TURKEY</i>
12:35	12:40		BREAK
12:40	13:00		Invited Speaker: "Method for series resistance extraction from the I-V characteristics of Schottky diodes" Dr. Richard OCAYA <i>University of the Free State/ SOUTH AFRICA</i>
13:00	13:05		BREAK

		ROOM 1	ROOM 2	
13:05	13:20	ROOM 1 & 2	<i>Concurrent Session 3</i> <i>Session Chair: Prof. Dr. Müjdat ÇAĞLAR</i> <i>Eskişehir Technical University</i>	<i>Concurrent Session 4</i> <i>Session Chair: Assoc. Prof. Ali Osman Ayaş</i> <i>Adiyaman University</i>
			Application of response surface methodology of methylene blue Souha Harabi	Thermodynamic study for the adsorption of methyl orange on nanoferrites (Mg-DEPED bismuth ferrite) Sabrina Saad
			Determination Of Antimicrobial Effect Of <i>Lactarius Controversus</i> (Pers.) Pers. Şule İnci	Is the power law temperature dependence an evidence of nodal structure in high Tc superconductors? Yücel Yıldırım
			Determination Of Antimicrobial Effects Of <i>Trametes Versicolor</i> (L.) Lloyd Extracts Obtained Using Different Solvents Şule İnci	The electrical characteristics of Al/p-Si, Al/GO/p-Si, Al/PTCDA/p-Si and Al/GO-PTCDA/p-Si semiconductor structures at room temperature Şükrü Karataş
			Determination Of The Antimicrobial Activity Of <i>Helvella Acetabulum</i> (L.) Quél. Şule İnci	Graphene oxide (GO) and reduced graphene oxide (r-GO)-doped CuO thin films for potential future electronic applications Yasemin Altınay
			Coumarin-hydrazide Based Dye Exhibiting Anion Sensitivity as an Effective Optical Fluorescent Sensor Wiem Bouali	The Structural and Magnetization Analysis of Co substituted Iron Oxide Nanoparticles Volkan Kurt
14:20	14:30	BREAK		
14:30	14:50	ROOM 1	Room 1 Session Chair: Assoc. Prof. Muhammad Atif Invited Speaker: "Semiconductor/g-C ₃ N ₄ nanocomposites as new photocatalytic and photovoltaic materials" Assoc.Prof.Dr. Ramin Yousefi <i>Islamic Azad University, Masjed-Soleiman/IRAN</i>	
			BREAK	
		ROOM 1	ROOM 2	
14:55	15:10	ROOM 1 & 2	<i>Concurrent Session 5</i> <i>Session Chair: Assist. Prof. Şerif Rüzgar</i> <i>Batman University .</i>	<i>Concurrent Session 6</i> <i>Session Chair: Assoc. Prof. Recep Zan</i> <i>Niğde Ömer Halisdemir University</i>
			A Numerical Study of Shot Peening Process Parameters on the 7075-T6 Al Alloy Rasid Ahmed Yıldız	Equilibrium study for the adsorption of Congo red dye from an aqueous solution by activated carbon derived from olive-tree wood Rmene Dhahri
			An investigation on characteristic and mechanical behaviors of porous nickel-based alloy fabricated by precision casting as an implant material Yusuf Er	Fabrication and electrochemical properties of polypyrrol/multi-walled carbon nanotube composites for solar cell applications Yasemin Torlak
			Synthesis and Characterization of 2 Dimensional Nanostructures Naim ASLAN	Cryogels made from poly(2-ethyl-2-oxazoline) Ümit Gülyüz
			Physicochemical and morphology properties of chitosan/poly(vinyl alcohol)/carboxymethyl cellulose films Nedim Gürler	Fluorescent Hydrogels For Simultaneous Nanoparticle Synthesis And Cation Sensing Zeynep Dikmen
			Analysis of CuO / Water nanofluid under magnetic field Murat Erdem	Grüneisen Parameter, Isothermal Compressibility and Bulk Modulus as a function of pressure in [(C ₇ H ₁₀ N) ₂ PbCl ₄] Zahid Khalilov
16:10	16:25	Graphene Doped CuAlNi Shape Memory Alloy Oktay Karaduman	Analyzed of electrical properties of Al/AlN/p-Si Schottky Diode prepared by thermal evaporation Ömer Sevgili	
16:40	17:00	BREAK		
		ROOM 1	ROOM 2	
17:00	17:15	ROOM 1 & 2	<i>Concurrent Session 7</i> <i>Session Chair: Prof. Dr. Abdulmecit TÜRÜT</i> <i>Medeniyet University</i>	<i>Concurrent Session 8</i> <i>Session Chair: Prof. Dr.Şemsettin ALTINDAL</i> <i>Gazi University</i>
			Effect of different natural/organic dyes on the photovoltaics parameters of ZnO-DSSC Armağan Pekuslu	Polymer based smart materials Ayşegül Dere

17:15	17:30	Polypyrrole thin films for supercapacitor applications Dilek Vatanserver	Nanostructure integrated shape memory materials Ayşegül Dere
17:30	17:45	The Investigation of Protective Effects of Fullerene C60 Nanoparticle Against to Brain Damage exposed with DMBA Seda Beyaz	Two component metal oxide based photodiode Gülşah Tuncel
17:45	18:00	Active Carbon Production From Pistachio Waste Mustafa Boyrazlı	Controlling of the photoresponse behavior in the photodiodes Gülşah Tuncel
18:00	18:15	Enrichment of Iron Ore in Elazığ-Keban-Yukarı Çakmak Region Mustafa Boyrazlı	Molecular docking model and DFT calculations of antiviral molecules proposed for COVID-19 treatment: a computational modeling Hacer Gümüş
18:15	18:30	Effect of Combining Molasses-Coke and Ca(OH) ₂ on Pellet Strength in the Preparation of Composite Pellets Produced from Chromite Concentrates Mustafa Boyrazlı	Influence of cobalt concentration on structural and optical properties of tin oxide nanocrystal film Fulden Erdal
18:30	18:45	Structural, morphological and optical properties of Li:NiO films by sol-gel spin coating method Fatma Ünügür	Structural analysis of multifunctional Cu _{0.5} Co _{0.5} nanoparticles synthesized by polyol process Furkan Çetin, Emrehan Tayfun
18:45	19:00	Hydrothermal synthesis of ZnO powders with different temperatures and their Shape Memory composites with PLA Esra Barım	The production of NaFePO ₄ Cathode material by Ion-exchange technique and the investigation of electrochemical analysis Ezgi Gültek
19:00	19:15	Investigation of the Thermal Energy Transferred from the Electrons to the Neutral Nitrogen Molecules (N ₂) in Ionosphere Esat Güzel	The role of Ca substitution to Ba site in YBCO ceramic for enhancement of bulk density Kübra Yakıncı
19:15	19:30	Investigation of Physical Parameters of Cu-Al-Ni Shape Memory Alloys Irradiated Under Constant Gamma Radiation Dose Abdulvahap Orhan	
19:30	19:45	Why is the voltage dependent change in the barrier height (BH) as important as its temperature dependent in Schottky type diodes? Şemsettin ALTINDAL	

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POSTER SESSION – 14-16 JULY 2021
(Offline Presentation)

OFFLINE PRESENTATION

AC frequency dependent built-in potential of photovoltaic device and its modeling and simulation application for GaN based diode

A. Sertap Kavasoglu – (<https://drive.google.com/file/d/1pAuU6UGheNU8V2eoSAoS4rGWWXdi6mNI/view?usp=sharing>)

Kinetic analysis of Single chain polymer ball type Cobalt Pc using Flynn-Wall-Ozawa (FWO) and Kissinger-Akahira-Sunose (KAS) iso-conversional models

Abdullah Musa Abubakar – (<https://drive.google.com/file/d/1M7rpNlvzI5YIEj-kkxPSm0DZnGcVbthN/view?usp=sharing>)

Optimization and modeling of 4-nitrophenol photocatalytic degradation over mesoporous Cu,S-TiO₂ photocatalyst through response surface methodology

Abubakar Hamisu – (<https://drive.google.com/file/d/1s9nUHuhLmk2GnVMnG7srH5KETuPTChkF/view?usp=sharing>)

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The valorization of solar energy for the accelerated hardening of concrete in Algeria

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Effect of curing type on evolution accelerated carbonation and compressive strength of prefabricated concrete

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Salicylic acid complexed with Dy- doped TiO₂ nanoparticles for photocatalytic degradation of 2,4-Dichlorophenol

Chaima Ouled Amor – (<https://drive.google.com/file/d/1zkCIHe9rG46TntmOpUmE0p32jcwTpPV/view?usp=sharing>)

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Titanium dioxide thin film prepared by Sol-Gel process

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Vibrational, Hirshfeld surface analyses and molecular structure of [C₃H₅N₂S]SbCl₄

Imen Tlili – (https://drive.google.com/file/d/1vWxDLkd-u_kkINr4Avs3oLLI2OrsYfer/view?usp=sharing)

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Iron oxide thin films prepared by spray pyrolysis technique using different solvents

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Lina Beghdadi – (<https://drive.google.com/file/d/13ws1H3vrsD-yY2USdUl2xlcEaiKtKlm9/view?usp=sharing>)

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Madjda Bacha – (<https://drive.google.com/file/d/1qSj7fs0YLmD24JnNgUCpOdyeldsLgZL2/view?usp=sharing>)

Failure analysis of laminated plates using finite element method

Marua Layachi – (<https://drive.google.com/file/d/1IIVocqmGYaEXwutqWakl5igMS-pIPKuT/view?usp=sharing>)

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[Ni₂L(Cl)₄(H₂O)₃] of complex compound Calculation of chemical and geometric values
Mehmet Bayrak - (<https://drive.google.com/file/d/1qGMOLWQvDrWWvvlQACe793E6vTzP12WX/view?usp=sharing>)

Ionizing Radiation Damage Effects on Admittance Measurements of Au/TiO₂/n-Si (MIS) Capacitor
Mehmet İzdeş - (<https://drive.google.com/file/d/1qC3ROS2B0juz8b9zpuVa11ehIV2ATml7/view?usp=sharing>)

Calculation of chemical and geometric values of 2- (2- (3-bromophenyl) hydrazine) -5,5-dimethylcyclohexane-1,3-dione bis (thiosemicarbazone) (L) ligand
Memet Şekerci - (<https://drive.google.com/file/d/1Few0kx570qgONJfTWlvXFxpLjUhgj-eX/view?usp=sharing>)

Review of nanostructured NiO thin films deposited by sol-gel dip coating technique
Meriem Gasmi - (<https://drive.google.com/file/d/1Rrb3fd-sAtKXMOIcuUPKpnZfX2iedqvF/view?usp=sharing>)

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Mohammed Khattab - (<https://drive.google.com/file/d/1NtCK5LaTNGEbWcW3PHAmkE2pf2syXPmo/view?usp=sharing>)

Study the mechanical and physical properties of sand concrete using crushed limestone sand
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Simulation of schottky solar cell device based on Indium Gallium Nitride (InGaN).
Amina Benslim - (https://drive.google.com/file/d/1JWwy-4NN603G0uUz0IzUEi00_Za9YzVj/view?usp=sharing)

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Lakhdar Sek - (<https://drive.google.com/file/d/1OWU5mb-5C3jFaRean7-XPlj3HRtxy84A/view?usp=sharing>)