

Theme 1

İLKNUR ERUÇAR FINDIKÇI	THM1.1	BioMOFs for Energy Applications: From an Atomic Point of View
Aydın Özcan	THM1.2	Analyzing Force Field Effects on Gas Separation Performances of ZIFs
Khalil Al-hatab	THM1.3	Influence of Pre-Heat Treatments on the Cyclic Oxidation Behavior of IN 617 Superalloy
Irmak Karaduman	THM1.4	THE TEMPERATURE DEPENDENT TRANSPORT MECHANISMS OF NANOPOROUS CLINOPTILOLITE
Nihan Yönet-Tanyeri	THM1.5	Surface-Directed Nanoparticle Formation in Polymer Thin Films
Morteza Enhessari	THM1.6	Synthesis, characterization and optical band gap of LiMn2O4 nanoparticles
Mehmet Okan Erdal	THM1.7	Thermoelectric properties of sintered and unsintered NaCo2O4 nanocrystal: A comparison.
Rumeysa Tekin	THM1.8	Encapsulation of Fragrance Molecules within Nanoporous Zeolite X
FATMA GÖDE	THM1.9	Preparation and characterization of crystalline lead sulfide thin films produced by SILAR method: Influence of pH in the cationic precursor
Mehmet Emin DİKEN	THM1.10	Biodegradable Poly(acrylic acid)(PAA)/Hydroxyapatite(nHAp)/Organo-Modified Hydroxyapatite(o-nHAp) Bionanocomposites: Preparation, Characterization, Antimicrobial activity and Biocompatibility
Mohammad Mahdi Abolhasani	THM1.11	Investigating effects of processing condition on morphology and crystallinity of PVDF electrospun nanofibers
Arif Demir	THM1.12	Depth and Element Analysis of Thin Films by Laser Induced Breakdown Spectroscopy (LIBS)
Abbas Jafarizad	THM1.13	Synthesis of Gold Nanoparticles by Wet Chemical Reduction Method and investigating of the reducing agent and pH effect on the particle size of nanoparticles
Salih Zeki Yıldız	THM1.14	Preparation and characterization of highly fluorescence TGA-CdTe quantum dot-hyamine additive composite
Reza Alizadeh	THM1.15	Synthesis and physicochemical characterization of Nano-Molybdenum Carbide by Methanothermal method
Semran Ipek	THM1.16	Computational Engineering of Formate Dehydrogenase: From Catalytic Versatility to Coenzyme Specificity
Cengiz Bagci	THM1.17	Effect of Fe Addition on the Magnetic Properties of α -Si3N4 Ceramic Material
Civan Avcı	THM1.18	Synthesis and Characterization of Mesoporous Metal Titanate Thin Films Using MASA Approach
Zeynep BAZ	THM1.19	STRUCTURE AND PROPERTIES OF CARBON SEMICONDUCTOR THIN FILMS PRODUCED BY ECR MW PLASMA SYSTEM
Tugay Üstün	THM1.20	Catalytic Activity of PAN/MWCNT Nanofiber
Münevver SÖKMEN	THM1.21	Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles
Salah Khanahmadzadeh	THM1.22	Fabrication and physical Properties of MnTiO3/polyaniline Nanocomposites

Amir Farzaneh	THM1.23	Study of tribological properties of Ni-P-PCTFE nanocomposite coatings
Alp Yürüm	THM1.24	Deposition of Porous Iron Oxide Nanoparticles on Activated Carbon by Microwave Synthesis and Removal of Arsenic (V) from Water
Tugrul Cetinkaya	THM1.25	High Performance Si-Carbon Nanocomposite Electrodes for Lithium Ion Batteries
Uğursoy Olgun	THM1.26	Formation, band gap energy and electrical conductivity of ZnO nanoparticles after roll-milling
Sibel Ataol	THM1.27	The Synthesis, Characterization and Bioactivity Study of Nano-sized Calcium Phosphates by Flame Spray Pyrolysis
Morteza Enhessari	THM1.28	Synthesis, characterization and optical band gap of NiCr ₂ O ₄ nanoparticles
Cengiz Bagci	THM1.29	Synthesis and characterization of LiFePO ₄ /C powders via comparative sol-gel and mechanochemical activation methods
Ahmet GÜRSES	THM1.30	The electro kinetic and spectroscopic examination of the sorption mechanism of an anionic textile dye (RBY 3GL) onto the powdered activated carbon (PAC)
Melike Kaya	THM1.31	Effect of Particle Size on Magnetic and Magnetocaloric Properties of Ni(Mn,Cu)In nano powders
Rabah Khalil	THM1.32	The role of surfactants head groups in the formation of self-assembled supramolecular gel
Hasan Ulus	THM1.33	A facile and large scale synthesis of tungsten oxide nanocubes structure and catalytic activity of Rhodamine B
Mehbare Doğrusöz	THM1.34	Nanostructured Cathode Material Synthesized by Sol Gel Method for Li-ion Batteries
Azadeh Azadbakht	THM1.35	High sensitivity amperometric and voltammetric determination of biomolecules with gold nanoparticle gold electrode modified with penicillamine - ZnSe quantum dot
Zohreh Mahmoudi	THM1.36	A Novel Carbon Nanotube Field Effect Transistor with Double Stepwise Doping Channel
Maryam Ghodrati	THM1.37	A New Carbon Nanotube Field Effect Transistor with Stepwise Doping Lightly Doped Drain and Source Regions
Seçil Sevim	THM1.38	Development of Colloidal Quaternary Alloyed Zn _x Cd _{1-x} SySe _{1-y} Nanocrystals and Tuning Their Optical Properties by Particle Size and Alloy Composition
Sefik Suzer	THM1.39	XPS for Charge-Sensitive Analyses of Nano-Structures
Ömer Mermer	THM1.40	Effect of various transition metals on the structural, optical and photocatalytic properties of TiO ₂ thin films.
Nazlı Ceren Dağyar	THM1.41	Determination Of Diffusion Coefficients For Cross-Linking Treatment with Different Solutions
Hossein Peyman	THM1.42	Fabrication of DNA-based electrochemical biosensor using chitosan-carbon nanotubes composite film for herbicide chloridazone

Boron Session

Beyhan Sayin	THM1.43	National Boron Research Institute (BOREN) and Its Activities
Fikrettin Sahin	THM1.44	Effect and Role of Boron Compounds in Biological Systems
Burcu Saner Okan	THM1.45	Boron compounds as antibacterial agents and their applications
Ayşegül Doğan	THM1.46	Antibacterial and cytotoxic properties of boron containing dental composite
Yosef Badali	THM1.47	Graphene and Boron Doped Polyvinylidene Fluoride Piezoelectric Materials

Theme 2

Ece Bal	THM2.1	Hydrothermal Growth of TiO ₂ Nanorod for Gas Sensing
Orhan Şişman	THM2.2	Modifying Zinc Oxide Nanostructures with Cr to Enhance Gas Sensing Properties
Nesibe Dogan	THM2.3	Waterborne Polyurethane/Halloysite Nanocomposites: Synthesis, Characterization and Applications
Mehmet ARAS	THM2.4	Combined Hybrid Functional and DFT+U Calculations for ZnO Nanowires
İlknur Altın	THM2.5	Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods
Ezgi Dunder Tekkaya	THM2.6	The Effect of the Reaction Parameters on Carbon Nanotube Synthesis on Cobalt Catalyst
Ozge Cavuslar	THM2.7	Fluorescent Labeling of Carbon Nanotubes
Cansu Noberi	THM2.8	Hydrothermally Synthesized Ag Containing TiO ₂ Nanotubes and Their coatings onto 3-D Metallic Based Filters
Morteza Asghari	THM2.9	Gas separation properties of PU-NaX nanocomposite membranes
Onur Alev	THM2.10	Fabrication of Co loaded TiO ₂ nanotubes for gas sensing

Theme 4

Ramazan Ozturk	THM4.1	siRNA DELIVERY BY GOLD NANOVEHICLES FOR GENE SILENCING
Berke Bilgenur Kandemir	THM4.2	PEI – Starch Nanospheres for siRNA based Gene Silencing Therapy for Cancer
Senem YETGİN	THM4.3	Kinetics of DNA Adsorption onto Nano Sized Hydroxyapatite
Halime Serinçay	THM4.4	Biocompatible polymer based nanofiber wound dressing materials
Zineb BENZAIT	THM4.5	Antimicrobial nHA Coating for Traumatic Bone Injuries
Necla Sarigil	THM4.6	Zinc and Aloe Vera Doped Biocompatible Polymer Based Antimicrobial Nanofibrous Food Packaging Materials
Yasemin Yuksel Durmaz	THM4.7	Development of Degradable, pH-Sensitive, Star Vectors for Cytoplasmic Delivery of Nucleic Acids
Elcin Yenigul Tulunay	THM4.8	Magnetite Nanoparticles as Drug Delivery Vehicles
Evrin TUĞAY	THM4.9	Biosynthesis of Silver Nanoparticles by Bacillus pasteurii ovit Bacterial Strain

Yıldız Bal	THM4.10	Synthesizing Of Olive Leaf Extract Loaded Calcium Alginate Chitosan Microcapsules And Investigation Of Their Anticancer Activity On Lung Cancer Cells
BNNT Session		
Cetin Bozkurt	THM4.11	hBNs
Saban Kalay	THM4.12	Synthesis of BNNTs
Zehra Yilmaz	THM4.13	Modification of BNNTs
Tolga Akiner	THM4.14	Prediction of Thermal Conductivity of Multilayer Hexagonal Boron Nitride Using Equilibrium Molecular Dynamics
Yuda Yurum	THM4.15	Synthesis of BNNTs
Emine Kazanc	THM4.16	BORON NITRIDE NANOTUBES ENHANCE PROPERTIES OF CHITOSAN-BASED SCAFFOLDS
Ozlem Sen	THM4.17	The Cellular Uptake of Boron Nitride Nanotubes
Mesil Emanet	THM4.18	Cytotoxicity and Genotoxicity of Boron Nitride Nanotubes

Theme 5

Göksel Durkaya	THM5.1	Nanoadhesion characterization for future semiconductor manufacturing technologies
Umut Sarac	THM5.2	Effect of Microstructure and Surface morphology on Magnetic Properties of Electrodeposited Ni-Co Thin Films with Different Compositions
Erdem Demirci	THM5.3	Temperature-dependent Exchange Bias Properties of Pt/Co/Pt/Cr2O3 Thin Film
Çetin Kılıç	THM5.4	Dispersion-Corrected Density-Functional Calculations for Metal Tellurohalides
Salih Akbulut	THM5.5	Effect of Growth Parameters on the Perpendicular Magnetic Anisotropy of Co/Ni Multilayer Films
Halit Çavuşoğlu	THM5.6	Investigation of the Line Broadening Mechanisms on the Emission Spectrum of the Gold Nano-Spheres in Fetal Bovine Serum and Ultrapure Water
Ali Naderi	THM5.7	Numerical Simulation Study of Cut Off Frequency in Different Structures of Carbon Nanotube Field Effect Transistors
Hamida Darwish	THM5.8	Effect of Nanoparticle doping on CO sensing of ferrocene conjugated polypyrrole conducting polymers

Theme 6

Melike Kaya	THM6.1	Effect of Heat Treatment on Magnetic and Magnetocaloric Properties of Nanostructured Ni(Cu,Mn)In Ribbons
Ümran Kurtan	THM6.2	Synthesis of Fe3O4@APTES@PAMAM-Ag magnetic nanocatalyst as highly active and recyclable for catalytic reduction of 4-nitrophenol
Emine Gökçe Polat	THM6.3	The Examination of Surface Anisotropy in Ferromagnetic Resonance Measurement
M. İbrahim COŞKUN	THM6.4	SYNTHESIS AND CHARACTERIZATION OF MAGNETICALLY CAPTURED FERRO FLUID NANOPARTICLES

Theme 7

Zahra Gohari	THM7.1	Characterization of Graphene oxide with various degrees of oxidation synthesized by Hummers approach
Hasan YOLCU	THM7.2	Preparation of Superhydrophobic Graphene Oxide Surfaces
Erhan ZOR	THM7.3	Reduced Graphene oxide/ α -cyclodextrin Hybrid for Detection of Methionine: Electrochemical, Fluorometric and Computational study
Dilek Yıldız	THM7.4	Investigation of Electronic and Morphological Properties of Graphene/HOPG System and Corrugation Variation of Moiré Patterns
Pierre Graves	THM7.5	Characterization of carbon nanomaterials by Raman Microscopy
Recep Zan	THM7.6	Electron Microscopy of Graphene and other 2Ds
Vildan Bayram	THM7.7	Graphene as Catalyst Support in PEM Fuel Cell
Ayşe Berkdemir	THM7.8	Layer Identification with Raman Spectroscopy of CVD Grown WS ₂
Mansoureh Shahrokh	THM7.9	Chemical anisotropy etching in the copper-nickel nanoalloy

Theme 9

Mustafa Demirtaş	THM9.1	Optimization of ALD grown Al ₂ O ₃ Host Material for Use in Integrated Optical Circuits
Mücahit YILMAZ	THM9.2	A new Electro-Optical Material : Ge Nanostructures Embedded in SiO ₂ Matrix
Alpan Bek	THM9.3	Super-Efficient Nonlinear Conversion of Light by Plasmonic-Quantum Hybrid Systems via Fano Resonance
Kenan Cicek	THM9.4	Back Reflection Effect on Purity of Modes from the Integrated Vortex Beam Emitter
Gozde Tutuncuoglu	THM9.5	III-V Nanowire-Based Heterostructures Grown with Molecular Beam Epitaxy (MBE)
Sabri Alkış	THM9.6	A NEAR INFRARED RANGE PHOTODETECTOR BASED ON INDIUM NITRIDE NANOCRYSTALS OBTAINED THROUGH LASER ABLATION
Aziz KOLKIRAN	THM9.7	Beyond the Diffraction Limit Using the Near-field of Quantum Emitters
Humeyra Caglayan	THM9.8	Metamaterial Inspired Optical Nano-Circuits
Bayram GÜNDÜZ	THM9.9	Surface morphology properties of the liquid-crystalline polymer poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-bithiophene] (F8T2) film and the optical properties of the solutions of the F8T2 polymer for different solvents
Alev KIZILBULUT	THM9.10	CHARACTERIZATION OF THE MOCVD GROWN SINGLE CRYSTAL P-TYPE AND N-TYPE GaInP on GaAs
Melek Kiristi	THM9.11	All Solid State Electrochromic Devices Made by RF Plasma Doped Hybrid Tungsten Oxides
Zeynep Dermircioğlu	THM9.12	Optimization of a-Si:H thin film deposited on ITO coated flexible substrate
Hisham Nasser	THM9.13	Aluminum Induced Nanotexturing of Glass Superstrate for Enhanced Photo-Response of a-Si:H Thin Film

Nurten Sahan	THM9.14	Investigating Thermal Properties of Paraffin-Nano Magnetite Composite for Thermal Energy Storage Applications
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Theme 13

Christian von Borczyskowski	THM13.1	Diffusion of Single Ag Particles in Ultrathin Nanostructured Water Films on SiO ₂
Beybin İlhan	THM13.2	Thermal Conductivity of Water, Ethylene Glycol and Ethylene Glycol –Water Mixture Based hBN Nanofluids
Kerim Yapıcı	THM13.3	Rheological characterization of non-Newtonian based multiwalled carbon nanotubes nanofluids
Melikhan Tanyeri	THM13.4	Confinement and Manipulation of Single Nanoparticles in Free Solution using a Hydrodynamic Trap
Cem Levent Altan	THM13.5	Deterioration in effective thermal conductivity of aqueous magnetic nanofluids

Theme 14

Andrzej Budkowski	THM14.1	Surface characterization of multi-step methods using biotin-streptavidin system to form DNA arrays
Omer Aydin	THM14.2	Development of pH- Sensitive Micelles for Drug Delivery to Advanced Prostate Cancer
Nihan Yönet-Tanyeri	THM14.3	Spatiotemporally Controlled Molecular Release from Micropatterned Hydrogel
SEVDA MERT	THM14.4	Surface-Enhanced Raman Scattering Based Detection of Cancerous Renal Cells
Sevgi Kilic Ozdemir	THM14.5	Microbubbles as Ultrasound Contrast Agents
Emir Yasun	THM14.6	Facile Isolation and Detection of Colon Cancer Biomarker Protein with Aptamer-Conjugated Silver Microspheres
Hale Unal	THM14.7	Core-shell hybrid nanocapsules for oral delivery of Camptothecin: Formulation development, in vitro and in vivo evaluation
Pınar Akkus	THM14.8	Doxorubicin Delivery with DNA-Based Nanocarrier System
Hilal Özdemir	THM14.9	Exchange of Temperature and pH with Different Solutions During Corneal Cross-Linking
Erdinc Sezgin	THM14.10	Optical nanoscopy to investigate cellular dynamics
Ugur Tamer	THM14.11	The high product yield of hybrid nanoparticle and rationale biomolecule immobilization for sub-femtomolar SERS detection
Mehmet Kahraman	THM14.12	Fabrication of Flexible and Tunable Plasmonic Nanostructures for SERS
Ertug Avcı	THM14.13	Influence of Protein Size on Surface-enhanced Raman Scattering (SERS) Spectra in Binary Protein Mixtures
Şebnem Açıkbaş	THM14.14	Herbicide Bio-detection by Raman Spectroscopy
Fatih Buyukserin	THM14.15	The Proliferation of Neurons on Nanoporous Alumina-Based Biomaterials
Hasan İLHAN	THM14.16	Conducting Polymer Surfaces for Electrochemical Acetaminophen Detection

Behzad Nasseri	THM14.17	Antenna Modulus Radiofrequency Exposures on Gold/Magnetic Nanoparticles Hyperthermia with Effects on MCF-7 and L-929 Cell Lines
Filiz Kuralay	THM14.18	The Use of Nanotechnology for Biomedical Applications
SEDA NUR TOPKAYA	THM14.19	Mismatch and Hybridization Detection with Electrochemical DNA Biosensors in Real Samples
Kaan Kececi	THM14.20	Preparation and Applications of Resistive-Pulse Sensors to Detect Biomolecules
Necmettin Kilinc	THM14.21	Synthesis of ZnO nanorods / P3HT Hybrid on MEMS cantilever for VOC sensing
Nesrin Horzum	THM14.22	VOCs sensor based on metal oxide nanofibrous membrane/QCM system prepared by electrospinning
Hamideh Roushanfekr	THM14.23	Immobilized NAD ⁺ onto gold electrode modified with DNA and polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles functionalised nanocomposite as a novel bioelectrochemical sensing platform

Theme 15

Yağmur Ateşcan	THM15.1	A Multiscale Approach for Investigation of CNT Waviness Effect on PNCs
Hasan Ulus	THM15.2	Flexural and Shear Properties of Superior BNNP-MWCNT/Epoxy Hybrid Nanocomposites
M. İbrahim COŞKUN	THM15.3	EFFECT OF pH ON ELECTRODEPOSITION OF HYDROXYAPATITE LAYER ON CoCrMo BIOMATERIALS
Uğursoy Olgun	THM15.4	Preparation and Antimicrobial Activity of Nano-Ag-Silica in Polycaprolactone Composites
Umit Ecem Yarar	THM15.5	Mechanical and Thermal Properties of Magnetic Nanocomposites
Merve Seyhan	THM15.6	Enhanced Thermomechanical Properties and Photothermal Heating of Au/PEO and Ag/PEO Nanocomposites
Mehmet Emin DİKEN	THM15.7	Biodegradable Poly(acrylic acid)(PAA)/Hydroxyapatite(nHAp)/Organo-Modified Hydroxyapatite(o-nHAp) Bionanocomposites: Preparation, Characterization, Antimicrobial activity and Biocompatibility
Yusuf Yusufoglu	THM15.8	Development and Characterization of Nano Porous Materials for Vacuum Insulation Panels (VIPs)

Theme 16

Muge Alsarar	THM16.1	HISTOPATHOLOGICAL EFFECTS OF TITANIUM DIOXIDE (TiO ₂) NANOPARTICLE ON ZEBRAFISH (Danio rerio) GILLS
Kenan SENTURK	THM16.2	Antibacterial Surface Modification for Medical Purposes by Magnetron Sputtering and Plasma Torch Systems
Yasin Akgul	THM16.3	Fabrication of Thermoplastic Polyurethane/Propolis Composite Nanofibrous Membrane for Wound Dressing Applications
Sebnem Duzyer	THM16.4	Effect of Plasma Modification of PET Electrospun Fibers on Cell Proliferation
I YUCEL OZBEK	THM16.5	New Silicon Based Multisite Microelectrode Fabrication for Neurotransmitter Concentration Detection
ÖNDER SÜNETCİ	THM16.6	Corrosion Protection Reliability of Electronic Boards Using Nanoparticle Containing Coatings

Çağrı YILMAZ	THM16.7	INVESTIGATION OF MECHANICAL BEHAVIOR OF PARTICULATE REINFORCED TITANIUM MATRIX COMPOSITE
ESRA PAMPAL	THM16.8	Investigation of Mechanical Properties of Single Wall Containing PAN Composite Nanofiber
Kutay Berk Sezginel	THM16.9	Prediction of Methane Storage Performance of Metal Organic Frameworks
M. İbrahim COŞKUN	THM16.10	NANO-TUBULAR HYDROXYPATITE FORMATION IN ACIDIC ELECTROLYTE BY ELECTROCHEMICAL DEPOSITION
Mehmet Karaman	THM16.11	Poly-Si thin films formed on glass substrate coated by different buffer layer content
Mehmet Karaman	THM16.12	Formation of n-type and p-type polycrystalline silicon thin films by solid phase epitaxy
Salar H. Sedani	THM16.13	Fabrication & doping of thin film p-type Si thin films fabricated by e-beam evaporation on glass substrate
Süleyman KAHRAMAN	THM16.14	Sol gel-processed Cu ₂ ZnSnS ₄ solar absorbers: effects of sulfur pressure
Turgay Çoruhlu	THM16.15	Synthesis and characterization of ITO-Titanium-ITO trilayers prepared by DC magnetron sputtering

Theme 17

Carlos Fito	THM17.1	Integrated Strategies to mitigate the risk of ENMs: NanoMICEX Approach
Martie VanTongeren	THM17.2	Occupational exposure to nanomaterials
Mohammad Charehsaz	THM17.3	Developmental toxicity of Silver Nanoparticles
Manolya Hatipoglu	THM17.4	A Safety by Design Approach to Reduce the Cytotoxicity of Silver Nanoparticles
Javed H. Niazi	THM17.5	Quantum dot decorated yeast cells as smart living cell fluorescent switches
Seda Keleştemur	THM17.6	Influence of protein modification of ZnO nanoparticles on cellular toxicity
Mine Altunbek	THM17.7	A Safety by Design Approach for Zinc oxide and Silver Nanoparticles to Reduce Their Toxicity
Yeşim Ozkan	THM17.8	Effects of aqueous suspensions of ZnO-TiO composite on Artemia Salina: determinant of Acute toxic effects, Comparison of Accumulation Dependent to Concentration and Change of the Size
Oktaş Aslan	THM17.9	Preservice Science Teachers' Awareness of Nanoscience and Nanotechnology