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CONGRESS AND EXHIBITION

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P R O G R A M (P O S T E R S E S S I O N – I) WEDNESDAY, APRIL 25, 2018			
<i>Chairperson: A. Yavuz Oral</i> <i>FOYER</i> <i>(SUBMISSION ID 1-600 for APMAS2018)</i> <i>(SUBMISSION ID 1-250 for INTERM2018)</i>			
17:30-18:30	ID	Title	Contact Author
	474	Current induced magnetic behaviours in superconducting ferromagnetic hybrid (F S F) structures	Umananda Dev Goswami
	475	Sintering aids for LTCC electronic elements - heating microscope studies and microstructure analysis	Beata Synkiewicz
	478	Effect of Nd nanoparticles Addition on the Properties of BPSCCO Superconductors Thin Films	Muna Abbas

	480	UV and solar light induced natural iron oxide activation: characterization and photocatalytic degradation of organic compounds	Tahar Sehili
	481	Characterization of a new acousto-optic deflector	Amir Guessoum
	482	Photoacoustic instrument with application in astronaut's health	Cristina Popa (Achim)
	483	A COMBINATION BETWEEN POLYMERIC MEMBRANES AND SEMICONDUCTORS FOR PHOTO-ELECTRODEPOSITION OF CADMIUM	Omar Arous
	484	Complex Constitutive Characterizations of Materials in the X-Band Using a Non- Destructive Technique	Taha Elwi
	485	Theoretical Assessment of Static and Dynamic Polarizabilities of Single-Walled Carbon Nanotubes: Semi-Empirical PM6 Study	Labidi Nouar Sofiane
	486	colour removal from textile effluents using two types of natural clays	Azzedine Benyahia
	487	Study of the mechanical properties of the clay reinforced by vegetal fibers	Azzedine Benyahia
	488	Optimization of the GaInAsN/GaAs structure for solar cell applications	Abdelkader Aissat
	490	Characterization of High Density CeO ₂ -Based Electrolyte	Aliye Arabacı
	493	Study of the structural and physical properties of Al-Gd and Al-Y thin films grown by magnetron sputtering	Mosbah Asma
	494	Chemical sensor array modeling using multivariable partial differential equations: comparison between conducting polymer and metal oxide based resistive sensors	Abdelaziz Abbas
	495	HISTORICAL MINARET BEHAVIOR UNDER SEISMIC LOADING: THE CASE OF BEFORE/AFTER FRP COMPOSITE STRENGTHENING	Pinar Usta
	497	SEISMIC VULNERABILITY OF SOME ANCIENT MASONRY STRUCTURES IN ANTALYA	Pinar Usta
	499	A Comparative Study of Polyaniline/MWCNT with Polyaniline/SWCNT Nanocomposite Films synthesized by Microwave Plasma Polymerization For the Purpose of Optoelectronic Applications	Ahmed Wasfi
	502	CHEMICAL MACHINING OF St37 ROD WITH FeCl ₃	Orhan Cakir
	503	ETCHANTS FOR CHEMICAL MACHINING OF ALUMINIUM AND ITS ALLOYS	Orhan Cakir
	505	Steady-state analysis of water distribution networks including controlling elements	Yasmina Lahiouel
	507	Extended period simulation analysis of water distribution networks	Yasmina Lahiouel
	509	Layout and pipe size optimization of water distribution networks	Yasmina Lahiouel
	512	A damage model containing transverse cracks and delamination in composite laminates under hygrothermal conditions	Mohamed Khodjet Kesba
	513	Synthesis and characterization hybrid materials (TiO ₂ /MWCNTs) by chemical method and evaluating antibacterial activity against common microbial pathogens	Duha Ahmed
	516	Tuning of magnetic properties of Heusler-type glass-coated microwires	Arcady Zhukov
	518	REMOVAL OF BASIC RED 29 DYE FROM AQUEOUS MEDIUM USING PUMPKIN SEED HULL AS ADSORBENT	Houria Ghodbane

	519	Electrical Percolation Behavior of CNT/PANI Composite	Estabraq Talib
	520	Fabrication of In-House Spin Coating Unit for Deposition of ZnO Thin Films	El Mahdi Media
	522	Preparation and characterization of low dielectric permittivity substrates based on diopside, willemite and cordierite	Agata Stoch
	523	Structure, magnetic and electric properties of Bi _{0.5} Pb _{0.5} (Fe _{0.75} Nb _{0.25})O ₃ multiferroic	Agata Stoch
	525	Decoration of Carbon Nanotubes with Silver Nanoparticles for Room Temperature NO ₂ Gas Sensor	Waleed Khalid
	526	Gas Diffuses Through Trickle Bed Electrochemical Reactor for Hydrogen Peroxide in Situ Generation	Ghassan Hamad Abdullah
	527	Optimization Of The Effects Of Wire Electrical Discharge Machining Parameters On Component Diameter, Cyclicity And Cylindricity Tolerances	Mustafa AY
	533	Study the effect of substrate type on the superconducting properties of Bi _{1.7} Pb _{0.3} VxSr ₂ Ca ₂ Cu ₃ O _{10±δ} . thin films	Amal Jassim
	538	Preparations doped CuO thin film and study its antibacterial activity	Duha Ahmed
	539	Experimental Investigation of the Machinability of Caldie Cold Work Tool Steel	Ali Kalyon
	545	Prediction Of Plain Circular Jet Flow With Artificial Neural Networks	Ugur Kesen
	548	Optimization of drilling of carbon fiber reinforced polymer (CFRP) with The Grey-based Method	Gültekin Basmaci
	549	Effect of polyethylene glycol and propyltrimethoxysilane on sol-gel synthesis of zinc oxide nanoparticles	Leila Djahnit
	550	Tunable demultiplexer study in 2D square photonic crystal	Mohamed Redha Lebbal
	551	Consequences of finding morphotropic phase boundary in ferromagnetic system	Adil Murtaza
	553	Study the mechanical properties of weld joints of pressure vessels tubes	Dr.Ezzet Hameed Abdulsalam
	557	Divalent Copper Ion Bound Intrinsically Disordered Proteins: Quantum and Statistical Mechanics	Nese Aral
	560	Design and Build of a 3D Printed Low Cost Raman Spectroscopy	Erol Taşal
	562	Energy Recovery Analysis in A Type Pressure Regulation Measuremant Stations in Istanbul,Esenyurt	Mustafa Atmaca
	563	Analysis by ellipsometry of porous silicon and AC impedance spectroscopic investigation of a-Si:H deposited on multilayered porous silicon	Hadj Yahia Seba
	564	Fast Eddy Current Measurement of Aeronautical Construction Material Coating Thickness	Tarik Bouchala
	565	Mechanical buckling of functionally graded plate materials FGM with variable thickness	Fouad Benlahcene
	567	Synthesis and study of the structure and electromagnetic properties of iron-containing superconductors LaFeAsO(1-x)Fx (x=0.11-0.15) via the Mössbauer, X-ray, magnetic and electrophysical measurements	Alexander Kholmetskii
	568	Air Leakage Measurement and Analysis in High-Pressure Self-Flanged Rectangular Cross-Sectional Air Ducts	Ayhan ONAT
	570	The wear of the carbide cutting tools coated with TiN during the milling of Inconel 738.	Amar Sebhi

	572	Dye-Sensitized Solar Cell using gel polymer electrolytes based on Organic Dye	Mohammed Alobaidi
	573	Heat Treatment and kinetics of precipitation of Mg ₁₇ Al ₁₂ phase in AZ91 alloy	M Fatmi
	576	Multiglass property in the multiferroic spin-chain compound Sm ₂ BaNiO ₅	Ankita Indra
	577	Cation exchange mediated synthesis and tuning of bimodal plasmon in alloyed ternary Cu ₃ BiS ₃ -xSex nanorods	Sumana Paul
	580	Failure Evaluation of Galvanized High Carbon Steel Wires	Yusuf Ziya Salik
	588	ELECTRONIC AND OPTICAL PROPERTIES OF THE SPINEL OXIDES GeB ₂ O ₄ (B = Mg, Zn and Cd): AN AB INITIO STUDY	Djamel ALLALI
	590	Electronic Properties of Li _{1-x} K _x MgN Heusler Alloy for Optoelectronic Application	Metin Aslan
	594	Synthesis and Characterization of Cu-Mn substituted SrFe ₁₂ O ₁₉ hexaferrites	Ismail Ercan
	596	Development and Experimental Validation of New Model of Vibration Sensor	Zine Ghemari
	598	Examination of magnetostriction, dielectric and magnetic properties of SrCu _{0.33} Ta _{0.67} O ₃ -Co _{1-x} Mn _x Fe ₂ O ₄ (0 < x < 1.0) multiferroics	Piotr Zachariasz
	678	Experimental Investigation of Buckling Loads of Glass/Epoxy Composites Modified with Nano Particles	Berkant Dindar
	812	Investigation of the Effects of Additives on Mechanical Properties of E-Glass Reinforced Thermoset Composites	Fatih ÖZGÜL
	642	Structural characterization of ZnO/Polystyrene nanocomposite thin films	Fadila Larbi
	967	Structural, vibrational and thermodynamic properties of (NH ₄) ₂ SO ₄ , NH ₄ NO ₃ , and NaNO ₃ : Ab initio study	Saida Bourahla
	40	Nanoscale Engineering in VO ₂ nanowires via Direct Electron Writing Process	Manling Sui
	56	Digital holographic microscopy and its applications in surface metrology	Dahi Ibrahim
	65	Optical addition to x-ray fluorescence analysis of mineral fertilizers	Dmitry Yunovidov
	69	Photophysics and Femtosecond Dynamics of a Red/Near-Infrared Fluorescent Chalcone Derivative: A Potential Candidate for Bio-Imaging and Diagnosis	Osama Abou-Zied
	94	Gelatins from Liza aurata skin: Stucrural characterization and potential scavenger of free radicals for accelerated wound repairing	Intidhar Bkhairia
	95	Structural variations in feather pattern of rose-ringed parakeet, Psittacula krameri	Monalisa Mishra
	97	Taxonomic importance of SEM and LM Foliar Epidermal micro-morphology; A tool for robust identification of gymnosperms	Raees Khan
	113	Evaluating a Self-Charging Electrostatic Dust Shield for Solar Cell applications in Baghdad Outdoor weather	manal midhat abdullah
	115	Efficiency Investigation of (TiO ₂) _{1-x} CdO _x Hetro-Junction Solar Cells Prepared by Pulse Laser Deposition Technique	manal midhat abdullah

	116	Macro, trace, non-essential and toxic heavy metals in milk by ICP-OES to characterize human health toxicity	Mahmood Ahmed
	134	Metals in colour variation in the wing of butterfly <i>Asota caricae</i> Fabricius	Monalisa Mishra
	136	Synthesis, Crystal Structure Analysis, vibrational spectroscopy studies and Environmental Application of the Lacunar Apatite $A Pb_2CaCd(PO_4)_3$ With $A = Na, Li$ and K	CABDELWAHED CHARI
	146	Interlaminar Fracture Toughness of micro and nano composites	ali kadhum
	157	Semiclassical line broadening calculations with exact trajectory for symmetric tops with inversion symmetry. Application to NH_3 perturbed by He	Chaima AYARI
	161	Damage Dynamics and Dose-Dependent Effects of Gamma Irradiation on Vegetable Tanned Leather By An Integrated Analytical Approach	Claudiu Şendrea
	163	General Applicability of Drop-Coating Deposition Raman Spectroscopy	Katerina Hofbauerova
	172	Digital holographic microscopy for determination the size of cell clusters in <i>Fabiana imbricata</i> cell suspensions cultures	Emilia Mihaylova
	174	Spectroscopic Parameters of NH_3 in the $2\nu_4$ Vibrational Band	Nourhene Maaroufi
	175	<i>Psammomys obesus</i> Harderian glands, source of biopigments, melanin and porphyrins: a useful model for biomedical purposes	Ouanassa Saadi-Brenkia
	181	Electronic structure of atoms, atomic spectroscopy information system	Vladislav Kazakov
	182	Evaluation of The Effect of Ultrasound Time in The Extraction Process of Jicama Starch Through Scanning Electron Microscopy	Lucía-Beatriz González-Lemus
	184	Evaluation on exothermic fault in inhomogeneous structures using lock-in thermography: An experimental and numerical approach	Ji Yong Bae
	186	Microscopy investigations of fungus spores (<i>Aspergillus niger</i>) treated with novel plant-derived antimicrobial peptide nigellin-1.1 from black cumin (<i>Nigella sativa</i> L.) seeds	Eugene Rogozhin
	194	Copper nanostructures in limited volume SiO_2 on Si	Dzmitry Yakimchuk
	207	Digital Holographic Microscopy for Characterization of <i>Fabiana imbricata</i> Ruiz & Pav. Cell Suspension Cultures	Emilia Mihaylova