

APMAS 2019
9th INTERNATIONAL ADVANCES IN APPLIED PHYSICS & MATERIALS
SCIENCE CONGRESS & EXHIBITION

ENEFM 2019
5th INTERNATIONAL CONGRESS ON ENERGY EFFICIENCY AND ENERGY
RELATED MATERIALS

Liberty Hotels Lykia, Oludeniz
MUGLA / TURKEY

<p>PROGRAM</p> <p>POSTER SESSION – III</p> <p>SATURDAY, OCTOBER 26, 2019</p> <p>17:30-18:30</p> <p>(FOYER)</p>		
<p>Chairperson: Ahmet Yavuz Oral</p> <p>(SUBMISSION ID 1401- - for APMAS 2019)</p> <p>(SUBMISSION ID 169- - for ENEFM 2019)</p>		
<p>APMAS 2019</p>		
Id	Title	Contact Author
1401	Electrical Signal of MWCNTs/PEO Films in Humid Environment	Nadjima Benkara Mohammed
1402	Influence of Cr Concentration, Strain Rate and Temperature on the Mechanical Behavior of Fe-Cr Nanomaterial: MD Simulation	Abdeslam Saad
1403	Effect of Zinc in Physics Properties for Lead Antimonite Oxide Glasses	Malika Nouadji
1405	Biodegradable Micro-Surgical Fiber Tube Using Sheath-Core Monofilaments of Polydioxanone and Poly-L-Lactic Acid for Preventing Stenosis in Surgical Anastomosis	Jun Sik Son
1407	Structural, Morphological and Magnetic Properties of Fe _{60-x} Cox(Al ₂ O ₃) ₄₀ Nanocomposite Coating Deposited by Thermal Spraying	Abderrahmane Younes
1411	Influence of Cholesterol on the Physico-Chemical Properties of Phospholipid Membranes	Nelly Drinova

1412	Modeling of Vortex Dynamics at Columnar Defect Potential in a Current-Driven Superconductor	Valeriy Fedirko
1413	Physico-Chemical Study of Lipid Membranes, Containing Functionalized and Non-Functionalized Single Wall Carbon Nanotubes	Julia Genova
1414	The Transfer of Charges in Composite Cellulose-Mineral Oil-Water Nanoparticle	Konrad Kierczynski
1415	Thermo-Gravimetric Analysis of $(\text{FeCoZr})_x(\text{CaF}_2)_{(100-x)}$ Nanocrystalline Layers	Tomasz Koltunowicz
1416	Influence of Thermal Treatment on the Electric Properties of the Nanocomposite on the Base of Ferromagnetic Alloy FeCoZr and Dielectric Matrix CaF_2	Vitalii Bondariev
1417	Quantum Supersymmetry Applied to a Linear Energy Dependent Potential: Projection Method	Rabia Yekken
1418	Characterization of the Sigma Phase Precipitation during Isothermal Treatment in the Titanium Stabilized 316Ti Austenitic Stainless Steel	Nabil Kherrouba
1419	Improvement in the Conductivity of Transparent Conductive Thin Films Made with Silver Nanowires Through Thermal and Mechanical Processes.	Andres Mauricio Bernal Forigua
1420	Structural and Optical Study of Thin Films Based on Metal Oxide Nanocomposites ZnO-TiO_2 and NiO-TiO_2	Hacene Serrar
1424	Comparative Study of Transport Properties of Bismuth Sulfide with Different Hallide Dopants	Farheen Anjum
1425	Radiation Hardness Investigation of Scintillation Detectors Based on Organic Plastic Scintillators and Optical Fibers	Yuri Kharzheev
1426	Influence of Surface Morphology of Cutting Edges Made of High-Speed Steel Manufactured with Various Methods on Their Durability	Maciej Kupczyk
1427	Piezoelectric Nanogenerators Based on PVDF-HFP/ZnO-Mesoporous Silica Nanocomposites for Self-Powering Devices	Jolly Bhadra
1429	Dimension Effects in Insulating NbTiN Films	Mariya Burdastyh
1430	Carbon Nanoparticle Synthesis by Dense Medium Plasma and Its Usage on Improvement for Electrochemical Sensor Sensitivity	Dilek Çökeliler Serdaroğlu
1431	Study of Crystalline Transformation at Different Sintering Temperature Process of Red Clay	Giselle Carolina Barón Gualdrón
1432	Doping Effect of Co^{2+} Ions on Structural and Electronic properties of ZnO Nanocrystals	Jesus Ernesto Ramos Ibarra
1433	Investigation of Water-Cement Ratio Reduction Effects on the Sustainable Concrete Mixes	Omer Damdelen

1434	Study of the Synthesis Mechanism of Zinc Oxide Structures Determined from the Correlation of Structural, Vibrational and Optical Properties	Marly Montero
1435	Study of the Sorption Capacity of Methylene Blue with Geopolymer of Carbon Gangue Dopped with Fly Ash	Jefersson Lopez
1436	The Effect of Waste Frying Oil and Waste NBR on Physical Characteristics of Modified Bitumen	Khedoudja Soudani
1437	EXAFS/XANES Studies of the Local Structure of (Zn, Fe)O System	Jesus Ernesto Ramos Ibarra
1439	Neutron Diffraction Analysis of Cold Rotary Swaged Tungsten Heavy Alloys and Other Engineering Materials at CANAM Infrastructure	Charles Hervoches
1440	Numerical Study of Wind Turbine Modeled by a Porous Disk	Amina Mataoui
1442	Insulation Board Thermophysical Characterization Prepared by Wet-Preserved Hemp and Wood Chips with Hemp Shive	Edgars Kirilovs
1444	Effect of Heat Input on Dissimilar Weld Characteristics	Mohamed Farid Benlamnour
1445	Effect of Fluid Flow in Morphology and Properties of Welding	Abdel Halim Zitouni
1448	Synthesis, Anti-Inflammatory Activity of 3-Amino 6-Methoxyl 2-Methyl Quinazolin-4(3H)-One and 3-Amino 6-Methoxyl -2-Methyl of 4H-Benzo[d] [1,3]-Oxazine-4-One	Osarodion Peter Osarumwense
1451	Thermal Configuration Modeling of a mc-Si Ingot Growth Furnace for photovoltaic	Djamel Ouadjaout
1452	Ion Beam Induced Ferromagnetism in Mn Doped PrFeO ₃ Thin Films	Khalid Sultan
1455	An Epitome on Tuberculosis: A Phase from Drug Discovery to Nanotechnology	Kavan Thaker
1456	Theoretical Calculations of Structural, Electronic and Thermodynamic Properties of BaO, SrO Compounds and Their Alloys	samia drablia
1457	Effect of the Manufacturing Process on the Wear Behavior of Raw Material Grinding Balls	Bouhamla Khedidja
1458	Synthesis and Characterization of New Polydentate Ligands Carboxamides able to Mimic Copper (II) and Nickel (II) Proteins	Karima Si Larbi
1459	Latex Mediating the Synthesis of Metal Doped TiO ₂ Suitable for Water Depollution	Wafae HALIM
1461	Assessment of the Effect of Burnout in the Pulse Research Neptunium Reactor	Elena Protsenko
1463	Elaboration of ZnO Thin Films with Different Zinc Precursors (Structural and Optical Properties Study)	Nadia lehraki

1464	A Simple Approach for the Synthesis of Cellulose Nanofiber Reinforced Chitosan/PVP Bio Nanocomposite Film for Packaging	Ritesh Kumar
1465	Aluminium Doped ZnO Nano Particle Incorporated PVA Based ReRAM	Fhulufhelo Makuya
1466	The System of Failure of Modern Thoery of Long-Term Resistance of Reinforced Concrete and Warnings of Designers	Mukhlis Hajjyev
1468	Electrochemical Oxidation of Glucose by Ni-Fe Nanoparticiles Dispersed on Polyaniline Thin Films	Delloula Lakhdari
1469	Advanced Polymeric Materials and Preserving of Polymer Objects	Jiří Brožek
1470	Anti-Icing Property of Nano-ZnO Superhydrophobic Surface Prepared via Radio Frequency Magnetron Sputtering on Aluminum Alloy	Yuan Yuan
1472	Effect of Concentration (Molarity) on ZnO Properties	Fayssal Boufelgha
1473	Recrystallization Kinetics in Ti-6Al-4V Titanium Alloy	Brahim Mehdi
1475	Seismic Performance of Hangar Type Structures Used by Using the Pallet Racking System	İbrahim Yildiz
1476	Characterization of a Mixture of Scale and Pigment to Synthesize Anticorrosive Coating	Mohammed Tayeb Abedghars
1480	Design of New Model for Saturation Calculation Based on Neural Network for Low Resistivity Phenomenon	Said Eladj
1483	Suitable Sites for CSP Power Plants Installation in Algeria	Houda Tassoult
1484	Polyaniline-MWCNTS Composites for High Performance Supercapacitor Application	Muhammad Aftab Akram
1486	Optical Spectroscopic of Er ³⁺ in BaF ₂ Crystal	Khiari Saidi
1488	Effect of Fiber Orientation on Wear Behavior of Glass Fiber Reinforced Epoxy Composites	Youcef-Amine Masmoudi
1489	Duplex Surface Treatment Involving Electron Beam Hardening and Nitro-Carburizing of AISI H-13 Hot Work Tool Steel	Digvijay Sheed
1491	Calculation of Electromagnetic Radiation Absorption of a Small Conducting Inhomogeneous Cylindrical Particle Taking into Account the Isoenergetic Surface in the Form of an Ellipsoid of Rotation for the Model of Fuchs Boundary Conditions	Dmitry Romanov
1492	The Lubrication Mechanism of Graphene as an Antiwear Additive at Elevated Temperatures	Ning Kong
1494	Experimental Research Regarding the Decontamination of Toxic Compound Aqueous Solutions by Plasma Treatment	Nicoleta Petrea
1495	Testing the Sensitivity, Selectivity and Time of Response of Some Polymeric Sensors in the Presence of Toxic Compounds Vapours	Nicoleta Grigoriu

1496	Self-Propagating High-Temperature Synthesis Al-Based Quasicrystals	Oleksii Dmytrenko
1497	Synthesis of Ti-Zr-Ni Hydrogen Accumulators by Electron Beam Dehydration in Vacuum	Oleksii Dmytrenko
1498	Effect of Streptomyces sp. GBTUV5 on the Growth of Solanum Lycopersicum (Tomato)	Levent Degirmenci
1501	Synthesis and Electrical Properties of $\text{LiMn}_{2-x}\text{Al}_x\text{O}_4$ Cathode Material for Li-Ion Batteries	Nedjemeddine Bounar
1503	Study of Antibacterial Efficiency and Biocompatibility of Cu-Doped TiO_2 Coating by Plasma Electrolytic Oxidation	Monica Thukkaram
1504	Structural Acrylate Adhesive Joints for Civil Engineering Use	Klára Vokáč Machalická
1505	ZrB_2 Nanosheets: Fabrication, Characterization and Application	Sofia Javed
1506	Estimation of Systematic Errors Committed when Approximating Length of Grain Boundaries Using Edges of Various Grid Patterns of EBSD Maps	Piotr Bobrowski
1508	Experimental Researches Regarding the Treatment of Industrial Wastewater Using Unconventional Techniques	Nicoleta Petrea
1509	Thermodiffusion Mechanism for the Formation of an Amorphous Phase during Quenching a Metal Melt	Artem Naumuk
1511	Optical Properties of Rare Earth Ions Doped CdF_2 Single Crystals	Madjid Diaf
1512	Effect of the Mobility on (I-V) Characteristics of the GaAs MESFET Transistor	Ouassila Benzaoui
1513	Statistic Model of Mobile Services Channel Power Density Estimation for RF Energy Harvesting	Zhijian Liang
1514	Analysis of Cooling by Mixed Convection of a Nanofluid Flow in a Horizontal Cylindrical Pipe	Chahrazed Abdellahoum
1518	Atom-Field Enhanced Coupling in Structured Plasmonics: Periodic Nanowire Array on Material Substrate	Ali Al-Kamli
1520	Viscoelastic Properties of Selected PVB Interlayers for Laminated Glass	Miroslav Vokáč
1521	Numerical Estimation of Nuclear Decay Heat from Induced Neutron Fission of U-235 and Pu-239	Amir Alramady
1523	Computational Study of Skin Lipid Bilayer Membrane's and Permeability of ROS	Dharmendra Kumar Yadav
1524	Effect of Dynamic Strain Aging on Thermomechanical Response of High Strength Steels	Farid Abed
1526	Experimental Investigation of Drilling Carbon Fiber Reinforced Plastic Composite Materials	Kamlesh Phapale

1527	Measurement of Heat Transfer Coefficient in Interaction Zone of Multiple Liquid Jet Impingements	Chaitanya Ghodake
1238	A Review on the Additive Manufacturing Technologies of Polyamide Material	Aissa Oubalouch

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169	Improvement of Coal Utilization Efficiency through Tar Utilization as a Reducing Agent in Ironmaking Process	Keisuke Abe
170	Analysis of a Heliostat Field Layout with Reduced Shading Effect in Southern Tunisia: Flux Density Modelling	Fathia Eddhibi
171	The Modelling and Definition of Constructive Solutions in a Standard Building with a View to Sustainable Development Applied to the Energy Dependence of Buildings	Tiago Flambó
172	Modelling and Simulation of PV as Statcom	Gyanashree Padhy
173	Fabrication of Nanophotonic Structures as Broadband Superabsorbers	Abdul Ghafar
174	Radioactive Pollution Effects in Case of an Atmospheric Dispersal Incident at the Intermediary Waste Storage of a VVR-S Nuclear Research Reactor	Alexandru Octavian Pavelescu
176	The Life Cycle Assessment of an Industrial System: The Case of Industrial Sulfuric Acid	Marwa Mami
177	A Preliminary Thermal-Hydraulic Analysis of Circular, Annealed and Hollow Biconcave Cross-Sectional Shapes for PWR Fuel Rods under Steady-State Conditions	Paulo Frutuoso e Melo
178	Hybrid Perovskite Solar Cells: Prospective of Renewable Energy Resources	Ghulam Hasnain Tariq
180	Carbon Dioxide Adsorption on Carbon-Doped Boron Nitride Material	Xiaowei Xie
181	Using Tensor Theory for Power Micro-Grid System Protection	Leszek Ladniak
183	Solar Desalination Process in Remote Areas in Morocco, Prospects and Challenges	Jihane Moumouh
184	In Silico Investigation into H ₂ Uptake in MOFs: Combined Text/Data Mining and Structural Calculations	Abdulkadir Kocak
186	Effect of Atmospheric-Pressure Surface Discharge on the Surface Properties of Polytetrafluoroethylene Films	Bair Baldanov
187	Synthesis and Structural Characterization of Erbium Electrodepositing on Silicon Nanowires	Afaf Brik

188	Experimental Compressive Behaviour and New Strength Model of FRP Square Columns Based on the FRP Effective Circumferential Failure and Effective Lateral Confining	Mahfoud Touhari
190	Effect of Tempering Temperature of the Hydrogen Embrittlement of AISI 4140 Using Artificial Neural Networks	Soumia Ourrad
192	Performance Evaluation of SRF-PLL under Abnormal Grid Conditions	Ali Ben-Ashour
194	Technique for Optimal Design of Autonomous Solar PV – Battery Microgrid	Ibrahim Sani Madugu
196	Nanopatterning of Cr Thin Films Using Low Energy Ion Beam for Selective Solar Absorber Application	Zebib Yenus Nuru
197	Biosynthetic Route of Nano Scaled Zinc Oxide Particles Using Dagga Leaf Extract as the Reducing Agent	Molebogeng Precious Nkobane
198	Fabrication of Graphene Nanosheets by Pulsed Nd:YAG Laser Ablated in Ethylene Glycol Decorated with Silver Nanoparticles	Makhangela Casey Mbambo
199	Daily Change of Solar Radiation on the Horizontal Surface near the Ground or Plant Canopy	Zhongsheng Guo
201	Hydrogeological Disasters and Risks Prevention and Management	Marco Santarelli
202	The Determinants of Renewable Energy Consumption in French Regions	Ferdaous Roussafi
204	Effect of Atmospheric Pollution on Chemical Composition of Volatiles from Wild Dill	Samira Mecherara-Idjeri
207	Study on Hydrogen Resistance Behavior of the Al ₂ O ₃ /Fe-Al	Gao Gentao
208	Dynamic Programming for an Optimal and Equitable Public Load Shedding Schedule	Mohamed Kampo
211	Prediction of Environmental Indicators in Land Leveling Using Artificial Intelligence Techniques	Isham Alzoubi
212	CNNC PWR Designs and Their Latest News	Denghua Chen
214	Investigation of an Additional Oxidation In-situ Step during Boron Diffusion Processes on p ⁺ Emitter Properties	Abdelghani Boucheham
217	Effect of Partial Replacement of Sand with MSWI-BA on the Properties of Mortar	Jamal Khatib
218	The Effect of Adding Phragmites Australis Natural Fibers on the Concrete Properties	Jamal Khatib
219	Utilisation of Fibre Made from Plastic Straw in Concrete Applications	Jamal Khatib
220	Structural Assessment of Reinforced Concrete Beams Containing Normal and Lightweight Aggregates	Jamal Khatib

221	Enhancement Realability for Remote Telecommunication Station	Ayman Brisha
222	Thermal Retrofit of Social Housing: A Portuguese Case Study	Luis Matias
224	Phosphates-Based Electrode Materials: Excellent Candidates for Safe and High Energy Density Lithium Ion Batteries	Ismael Saadoun
226	Production of Bioethanol from Waste Biomass and Its Utilization for Production of Biodiesel Using Dry Washing	Dilip Kumar Bora
228	Theoretical Study of the Electronic Properties of $Sr_2FeMo_{1-x}Nb_xO_6$	Jose Luis Rosas Huerta
230	Nanoporous Carbon Paper Electrodes for High Performance of Vanadium Redox Flow Batteries	Saleem Abbas
233	Tungstates of the Type $Hf_{1-x}Ln_xW_2O_8$, (Ln = Eu, Tm, Lu) Studied by High Temperature X-Ray Diffraction	Martin Tsvetkov
234	Innovative Demand Response Solution Applied on Aggregated Blocks of Buildings. Case Study	Dan D. Micu
236	Pavenergy Research Project – New Developments	Adelino Ferreira
237	Energy Level Difference Analysis of Combined Cooling, Heating and Power System under Flue Gas Reinjecting Operating Strategy	Zefeng Wang
238	Experimental Studies on Active Operating Strategy in CCHP System	Na Zhang
239	Evaluation of the Quality of Groundwater in the Zone of the Irrigated Perimeter Guelma-Boucheougouf (Northeast of Algeria)	Benhamza Moussa