

BIOMATSEN 2017
3rd INTERNATIONAL SYMPOSIUM ON
BIOMATERIALS & BIOSENSORS

ENEFM 2017
4th INTERNATIONAL SYMPOSIUM ON
ENERGY EFFICIENCY AND ENERGY
RELATED MATERIALS

InterM 2017
4th INTERNATIONAL SYMPOSIUM ON
MICROSCOPY AND SPECTROSCOPY

APRIL 22-26, 2017

Sentido Lykia Resort & Spa-Liberty Hotels
Lykia, Oludeniz
MUGLA / TURKEY

PROGRAM
(POSTER SESSION-II)
TUESDAY, APRIL 25, 2017

Chairperson: A. Yavuz Oral

FOYER

(SUBMISSION ID 1-100 for BIOMATSEN2017)- (SUBMISSION ID 1-210 for ENEFM2017)-
(SUBMISSION ID 1-100 for InterM2017)

16:00-18:00	ID	Title	Contact Author
	1	Encapsulation of Micro Algae by Spray Dryer	Hamzeh Ali

			Tahmasebi
2	Biomass and Biogas for Sustainable Energy Generation: Recent Development and Perspectives	Abdeen Omer	
6	Engineering Analysis- Material Based Stress/Strain of Lightweight Aluminum Head Frame (LASHF): A Computational Model for Minimally Invasive Surgery	Özdoğan KARAÇALI	
9	A solid-state electrochemiluminescence sensor based on a conducting polymeric film doped with tris(2,2'-bipyridyl)Ruthenium(II) for pharmaceutical application	Emad Khudaish	
10	Graphene based magnetic nanocomposites as versatile carriers for high yield immobilization and stabilization of β -galactosidase	Prof. QAYYUM HUSAIN	
12	Coatings of Bioactive TiO ₂ Films on Ti6Al4V Alloy by Micro Arc Oxidation	aysun ayday	
14	Wearable Biomedical Sensor Array Interconnected with Intelligent Telemedicine Network for Fever Monitoring Application	Elyas Palantei	
15	Graphene based magnetic nanocomposites as versatile carriers for high yield immobilization and stabilization of β -galactosidase	MARYAM KHAN	
21	Biomineralization response of hydroxyapatite- barium titanate materials	Gema Gonzalez	
23	Characterization of gamma sterilized and cross linked orthopedic biomaterial using diffuse reflectance spectroscopy	Malik Sajjad Mehmood	
25	Thermally sensitive injectable supramolecular hybrid gels for drug release	Jianping Gao	
26	Design of fluorescent-labelled Anti-Flt1-AuNP nanoparticle complex as Coulomb- nanoradiator prodrug targeting to the VEGFR in retinal vascular diseases	Jong-Ki Kim	
28	Single-Particle Imaging for Biosensor Applications	Mustafa Yorulmaz	
29	Investigation of Image Analysis in the Characterization of Electrospun Polycaprolactone/Graphene Oxide/Fe ₃ O ₄ Nanocomposites	Veysel Gökhan Böcekçi	
32	biomaterials applications	Saadat Anwar Siddiqi	
33	Fabrication of Sensor using Graphene Oxide based Composite Materials for Sensing Nitrous Oxide gas and Infrared Radiations at Room Temperature	Manzar Abbas Abbas	
37	Luminescent hydrogels based on iminochitosan as promising materials in sensing application	Andrei Bejan	
38	Hydrogels based on iminoboronate motif as promising materials for the treatment of Candidiasis	Daniela Ailincai	
39	Supramolecular layering as an innovative method for the development of chitosan based hydrogels	Manuela Iftime	
40	Synthesis and biological properties of a new hydrogels based	Anda Olaru	

	on chitosan and 2-hydroxy-5-nitrobenzaldehyde	
41	State-of-the-art in Organic Bioelectronics and Nanomedicine targeting Atherosclerosis	Varvara Karagkiozaki
49	Modelling of size dependent catalytic activation energies of Ag@Pd spherical core-shell nanoparticles	ABBAS SERBES
51	THE STUDY OF NANOSCALE INTERACTIONS BETWEEN CARDIAC CELLS AND NANOFIBROUS SCAFFOLDS.	Victor Balashov
52	Size Dependent Energetic Properties of Core-Shell Au-Pd Nanoparticles as Microbial Fuel-Cell Applications	Serap ŞENTURK DALGIC
54	A facile reproducible electrochemical method of reduced graphene oxide electrodes fabrication	Mariana Ionita

ID	Title	Contact Author
4	A comprehensive and comparative study of influences of relative humidity on a single PEMFC with different flow channel	Elif EKER KAHVECI
5	PHOTODEGRADATION OF ENVIRONMENTAL POLLUTANTS BY CUPROUS OXIDE NANOFLOWERS	Asar Ahmed
6	Powering the planet with solar fuel: Sahara Solar Breeder project challenges in solar grand plan energy utilisation	Amine Boudghene Stambouli
7	ENERGY EFFICIENT FOR HEAT EXCHANGER, REFRIGERATION AND AIR CONDITIONING	Abdeen Omer
8	carborizing by organique product	Belkacem Boutassouna
9	Low cost and long durability material for water treatment : Titania-coated cement	ABDELKADER MENNAD
11	Effect of nitrogen content on electrical properties of ultrasonic Spray pyrolysed Al ₂ O ₃ thin films for silicon solar cell applications	Lyes ZOUGAR
14	Stabilization of DC link voltage using redundant vectors for five-level diode clamped inverter used in grid connection photovoltaic systems	Kamal HIMOUR
15	Real Time Emulator of Photovoltaic Array Used to Test Perturb and Observe MPPT Algorithm	Kamal HIMOUR
16	Advantages of a Three Level DCI in a Three Phase Grid Connected Photovoltaic System	Kamal HIMOUR
19	Effect of rapid thermal annealing at elevated temperature on optoelectrique properties of Cz-Silicon p-type wafers for Photovoltaic Applications	Djoudi Bouhafs
22	THREE-DIMENSIONAL COMPUTATION OF NATURAL CONVECTION IN THE PRESENCE OF MAGNETIC FIELD (CUBIC ENCLOSURE)	Kherief Nacereddine Mohamed
24	"Non linear control of the synchronous motor with magnet spermanent resulting and in a load inertia	BELHAMRA ALI

	variablet"	
25	Soda lime silicate glass tube – Ti inset joining by O ₂ /Propane flame work in air	Mustafa Burak Telli
26	Structural, rheological and mechanical characterization of blends based on low density polyethylene and plasticized starch (LDPE/TPS) before and after the addition of a sodium bentonite and a dispersing agent	Melia Guessoum
28	Thermal, Thermomechanical, and Morphological Properties of Spartium junceum Fiber Reinforced Polypropylene Composites	Sorya NEKKA
30	Microbial ability to colonize mural painting and its support	IOANA GOMOIU
31	Experimental investigation of load resistance effect on mechanical-electrical parameters of a piezoelectric cantilever under various excitations during energy harvesting	mir meysam rafiei anamagh
32	Thermoelectric properties of semi conducting compound Sb71.22Co2.97Fe20.77Ce5.04	Mohamed Chitroub
34	Application of response surface methodology and experimental design to study the sorption of zinc on the hydroxyapatite	samira meski
35	Fuzzy Logic Controller for Pitch Angle Variable speed wind Turbine system	NURADDEEN MAGAJI
36	PERFORMANCE OF GRID-CONNECTED PV SYSTEM BASED ON SAPF FOR POWER QUALITY IMPROVEMENT	Rachid Belaidi
37	MODELLING OF BEHAVIOUR UNDER THERMAL LOADS OF MODELS POLYMERS AND COPOLYMERS REINFORCED	Pierre Marcel Anicet1 NOAH
39	Assessment of genotoxic effects of a fungicide (propiconazole) on green frog tadpoles using alkaline-single-cell gel electrophoresis (comet assay).	Nazih Bourenane Bouhafs
40	Fine silver powders for photovoltaic cells	Naïma Moudir
42	SYNTHESIS OF VARIOUS IODYL COMPOUNDS OF IODOARENES AND TETRAZOLES USING OXONE AS AN OXIDANT	Ram Dhakal
44	Stability of a superstoichiometric rare earth dihydride GdH _{2.25} via first-principles calculations	Zahia Ayat
45	Polymer Inclusion Membrane containing acidic carrier (D2EHPA) for cationic dyes removal and facilitated transport study	Salima AITALI
46	Gold-metal (Ni, Cu, Co) deposited on titania nanotubes as electrocatalysts for direct borohydride fuel cell	Aldona Balčiūnaitė
47	Platinum-metal/titanium as the anode catalyst for DBHFC	Ina Stankevičienė
48	Preparation, characterization and application of cellulose acetate-silver nanoparticles-polyaniline nanocomposite in conductive thin film and conductive fabric	Manal El-Sheikh

	50	Electroless deposition of platinum using different reducing agents	Aldona Jagminienė
	51	Extent of fatigue failure and lockup risks In tortuous trajectory well in Algeria	Iallia belkacem
	52	Waste from Cucumis melo: source of pigments	Lila BOULEKBACHE-MAKHOUF
	53	BUILDING BLOCKS FOR WIND POWER DEVELOPMENT AND GROWTH IN SUB-SAHARAN WEST AFRICA: LESSONS AND WAY FORWARD	Oluseyi Ajayi
	54	The study of the establishment of technical safety barriers at the thermal hydraulic installations: study case	Rachid Chaib
	57	Optimizing Renewable Energy multi-source supply for an isolated village	rezak alkama
	60	Preparation of Porous Silicon Carbide Micropowder for Blue-LED Application	Samira KACI
	61	The behaviour of Au/Co, Au/CoB and Au/CoBW in direct borohydride fuel cells anodes	Zita Sukackienė
	62	COMPARATIVE STUDY OF STRUCTURAL PROPERTIES OF POLYCRYSTALLINE CuInSe ₂ THIN FILMS AND CuInSe ₂ MATERIAL PREPARED BY A NEW METHOD "SHS"	LINDA SAAD HAMIDECHE
	63	Photovoltaic Based Water Desalination System: Design, Realization and Testing	Sobhy Abdelkader
	64	A multiband slot antenna for wireless communication	Amel Boufrioua
	65	Well being at work and the company's economic performance	Mourad AMRANI
	66	Germany's New Energy Policy and Comparison with Turkey's Policies	Ulas Akkucuk
	70	Energy Balance of the Biaxial Positioning Solar System	Lukas Vacho
	71	Outdoor PV Module Degradation of Current-Voltage Parameters in the Open Circuit Conditions	Aboubakr Benazzouz
	72	The research of nanotechnology method of cleaning and disinfection of natural and waste waters	Bolatbek Untegulov
	73	Method for determining the conductance that reduces the level of insulation between one of the phases of electrical network and earth at electrical installations by voltage 6 - 20 kV	Bolatbek Untegulov
	74	Heat production by burning of agricultural biomass	Zuzana Palková
	76	A New Design Solar Tracking System for Concentrated Solar Power Systems	Erkan KACAN
	77	Applicability Assessment of Solar Tracking System via Image Processing Method	Erkan KACAN
	78	Investigating Thermal Properties of Nano Composites as Phase Change Materials in Thermal Energy Systems	Nurten Şahan
	80	NEW SEMI-AUTOMATIC SOLUTION FOR HIGH	Abdelfettah BARHDADI

	CONCENTRATION PHOTOVOLTAIC PANELS CLEANING	
83	An indoor environment monitoring system using low-cost sensor network	Oluleke Bamodu
84	• Biofuel production from CO ₂ in Gebze polluted industrial district (Turkey) using pure <i>S. elongatus</i> PCC 7942 with and without plasmid and isolated <i>S. elongatus</i>	delia teresa sponza
85	Investigation of MAIH4 (M=Li, Na, K, Rb, Cs) Alkali Alanates by AB-initio Methods for Hydrogen storage applications	Hadi Arabi
86	Environment pollution monitoring using low-cost wireless sensor network	Oluleke Bamodu
88	A mobile drip washing machine for eco-remediation of contaminated soils	Oluleke Bamodu
89	Experimental Microfiltration of the red Terasil dye and simulation by Superpro Designer	Mustapha CHIKHI
90	Correlation between the capacitive properties and spectral response of n-ZnO/p-Si heterojunctions elaborated by DC reactive sputtering: solar cell applications	Nacera Zebbar
91	The merging of two unequal parallel turbulent jets	samira louaifi hamaili
94	Sensor of organics pollutants based on polythiophene and silicon nanowire	Samia Belhousse
95	Prototype of an Integrated Renewable Power Supply System	Marian Gaiceanu
96	Photodegradation of Olive Mill Wastewater by Nano-ZnO-Magnetite and Nano ZnO-SiO ₂ composites	DELİA TERESA SPONZA
97	Scaling Laws Between Mono And Multi-point Configuration In Positive DC Corona Discharge In Air	Driss RAOUTI
98	HARMONIC MODELING AND ANALYSIS OF THE DFIG INTERCONNECTED WITH THE ELECTRICAL NETWORK	EMMANUEL HERNÁNDEZ MAYORAL
99	Occurrence and distribution of microplastics in seawater along the Algiers coast	Amenouche Sarah
100	Adsorption of Some Organic Compounds (VOCs) on diatomite	Chernai Safia
101	The effect of doped TiO ₂ nanotubes grown by the anodizing on the photo catalytic (H ₂) energy productions	shahab khameneh asl
102	Failure analysis of Condensate gas Pipeline	kalifa abusowa
103	Parameters Identification of the Three-Phase Wound-Rotor Induction Machine	Marian Gaiceanu
104	On the asymptotic of the solutions of transport evolution equation	Okba Gouasmia
107	Morphological and Optical properties of hybrid nanocomposite deposited onto flexible substrate for photovoltaic application	Hamza Saidi

	LIQUID–SOLID EXTRACTION OF MIXTURE OF Cr(III) AND Fe(III) FROM AQUEOUS SOLUTION BY CHELATING RESIN CHELEX-100	AFAF AMARA
108	Environment-friendly process for treating textile waste water	SARA CHIKHI
110	DESIGN AND IMPLEMENTATION OF a SIX ISOLATED OUTPUT FLYBACK CONVERTER	Ires ISKENDER
111	Parameters Identification of the Three-Phase Squirrel-Cage Induction Motor	Marian Gaiceanu
112	Aeroelastic response of large horizontal-axis wind turbine blades in sudden wind gusts	Abbas Ebrahimi
115	Theoretical and Numerical Approaches of a Plane, Laminar and Non-confined. Impinging jet a Surface Flat Heated	Abdelouahad Aliouali
118	Extraction of heavy metals by Na magadiite	Moulai kerroumia
121	OPTIMIZATION OF THE CARACTERISTIC OF THE INTRINSIC LAYER FOR HETEROJUNCTION SOLAR CELLS WITH INTERDIGITATED BACK CONTACT (IBC/SHJ).	kamila zerga kamila née benyelles
122	efficiency comparison of different techniques for drying coal	María Bernarda Alvarado-Bawab
124	Liquid- liquid extraction: a clean method of regeneration of liquid pollutants	Abdelkader Hadj Seyd
125	Kinetic parameters of anodic oxidation of alcohols in alkali: Effect of diameter of Pt and Pd based binary nano-catalyst, composition of electrode and solution and mechanism of the reaction	Swapan Bhattacharya
126	Parameter study Design of a kilowatt Darrieus H-Type vertical axis wind turbine	Hossein Soltanieh
127	Azaraphene and Quasi-Fulleranes as Perspective Materials for Hydrogen Energy	Marina Bondarenko
128	Analyse numérique des caractéristiques thermiques du récepteur solaire PTR-70	Abdelali BENIDIR
132	PRODUCTION OF THE BIOFUELS STARTING FROM INEDIBLE PLANT OIL, BY TRANSESTERIFICATION	Zakaria BEKKAR DJELLOUL SAYAH
133	Renewable Energy in Mexico: Development and Outlook of Photovoltaic (PV) Energy	José G. Vargas-Hernández
134	Numerical analysis of the thermal behaviour of a shell-and-tube latent heat thermal energy storage unit using phase change materials	SELKA GHOUTI
136	Control of Doubled Feed Induction Generator of Variable Speed Wind Turbine System using Artificial Neural Network	Ibrahim Madugu Sani
137	Experimental investigation of the sustainability of offshore composite wind turbine blades: effect of adhesive thickness on the Mode I and II strain energy release rates	Mostapha TARFAOUI
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	139	Traffic air pollution Modeling in Bejaia City	rezak alkama
	140	AN INSIGHT INTO BENEFICIAL REUSE OF WASTE MATERIALS IN TURKEY: EVALUATION OF POTENTIAL UTILIZATION AREAS	Asli Yalcin Dayioglu
	141	Measuring the Thermal Properties of Different Concrete Mixtures for the Application of LNG Storage	Yasser Al Hamidi
	142	NATURAL RADIOACTIVITY IN WATER: MONITORING AND PROTECTION ISSUES	BASHIR GIDE MUHAMMAD
	143	Energy Efficiency In The Building Sector : A key Component	FARIDA BENSLIMANE
	144	Relaxation Dynamics of Mononuclear Dy(III) Complexes Tuned by Electronic Effect of Oxygen-Containing Auxiliary Ligands	Guangming Li
	145	Flower-like MoS ₂ / Nitrogen-doped Graphene Quanums Hybrid Electrode Materials for High Performance Supercapacitors	ZHEN LI
	147	Physical properties of Bi ₂ Sr _{2-x} NaxCo ₂ O _y thermoelectric ceramics directionally grown by Laser Floating Zone Technique	Bekir Özçelik
	149	Oxidative desulphurization of liquid fuels using air assisted peracid oxidation in the presence of MoO _x -ZSM5 catalyst.	Waqas Ahmad
	151	Visible and near-infrared luminescence probe of lanthanide metal-organic frameworks for sensing TNP and benzaldehyde	Pengfei Yan
	153	Synthesis of High Surface Area of Pt Electrode Via 2-step Process (Electrodeposition + Dealloying) for Methanol Oxidation Reaction	YUSAIRIE MOHD
	158	RT-Lab/Matlab/Simulink as Real Time Simulation Tool for Wind Generation Systems Based on Doubly-Fed Induction Generator	Abdelhakim Idir
	159	Khamsin effects on the solar power plants in Djibouti	ABDOURAHMAN DAHIR
	160	Investigation of thermal effects in GaAs MESFETs	fatima zohra khelifati
	161	Experimental Study on the Effect of High Ground Temperature Environment on Spontaneous Combustion danger of Coal	changkui lei
	163	Numerical evaluation of temperatures limits of a solar adsorption refrigeration cycle	Noureddine CHERRAD
	164	Case of study for analysis of the effect of the energy price in application of variable speed drives for increasing energy efficiency in a production line.	Emerson Rojas
	165	Artificial neural networks applied to voltage unbalance estimation and its effect on three-phase induction motors	Wendell Lamas
	166	Development of computational tools for application in operational research to solve the problem of industrial	Wendell Lamas

	co-generation	
169	Application of an approach based on indicators to improve the comfort of the urban environment and energy mastery of their entities: Suitable for humid climate.	Rahmani Khadidja
173	OPTIMAL DOMESTIC SOLAR SPACE and WATER HEATING SYSTEM in ÇESME	Yeliz Ekinci
174	Wind energy related material technology: Structural analysis of rotor blade shape and composite material in wind turbine design	Ozdogan Karacali
175	Design and Development of Advanced Solid and Bio-Solid Treatment Process for Sustainable Development	Prof.Dr,Vijayan Gurumurthy Iyer Late Gurumurthy Subramaniam Iyer
176	Recycled Post-Consumer Glass as Supplementary Cementitious Material for High-Performance Concrete	Julio F. Davalos
178	Gas Turbine Cycle for Tri-Generation: Power, Desalination and Cooling	Hassan Abdulrahim
183	Analysis of Output Voltage Harmonics of Voltage Source Inverter used PI and PID Controllers Optimized with ITAE Performance Criteria	Ozan Gül
184	Development in urban lighting with fiber optic technology. (The combination of technology and urban identity)	Vahid Shokri
185	THE "3E (ENERGY-ECONOMY-ECOLOGY)" INTEGRATED DATA MODELLING FOR SUSTAINABILITY OF THE COAL-FIRED POWER PLANT	Nuray Tokgöz
186	Estimation of Ambient Turbulence Intensity over Complex Terrain	Muammer Ozbek
187	Determination of Ambient Turbulence Intensities for Stratified Atmospheric Flow and its Influence on Wake Turbulence Intensities	Muammer Ozbek
190	Train-to-NZEB project: Contribution of a building knowledge hub to Turkish energy efficient design experience	Turkan Goksal Ozbalta
192	Modeling on a Prototype of Magnetoelectric Sensor based on Functional Dielectric	Jia-wei Zhang
193	Photo-excited Dynamics at Nanoscale Interfaces for Solar Energy Harvesting	RUN LONG
195	PİRİDİN VE İSOBUTANOL KATKILI ETANOL-BENZİN-SU KARIŞIMLARINDA SU ÇÖZÜNLÜĞÜNÜN , MOTOR PERVORMANSININ VE EGZOZ EMİSYONLARININ İNCELENMESİ	Amirxan Garayev
196	An electrochemical study for corrosion inhibition of iron by (méthoxy carbonyl méthyl) Triphenyl Phosphonium bromide in acid media	MANSOURI Khaled
197	Numerical Simulation of Vacuum Membrane Distillation	Ashraf Hassan

198	An important energy mineral; A case of micro-Raman and FT-IR study of the borate mineral, borax [Na ₂ B ₄ O ₅ (OH) ₄ .8H ₂ O], from the Kırka-Eskişehir region (Turkey)	Murat Hatipoğlu
206	ENERGY CONSERVATION IN LIGHTING SYSTEMS OF CLOTHING FACTORIES AND FRUITFUL LIGHTING	HAYRI SEN
207	Increasing Energy Efficiency of Electrical Motors by Post-Integration Parameter Calibration	Zafer Ibrahim Esen
208	Analysis and Optimization of HIT Silicon P-type wafer Solar Cell	toufik zaredé
210	Desulphurization of Lignites by Pyrolysis and High Intensity Dry Magnetic Separation	özlem onay
211	MOVEMENT OF CYLINDER UNDER THE INFLUENCE OF SEISMIC WAVES	Jamila Imamaliyeva
212	Vibration issues in energy generation: a comparative analysis	Sylvester Aye

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2	Development of metal matrix zinc coating composite for anti slip application by thermal spraying	Nacer Eddine Bacha
3	Amorphous silica sand thin films for optoelectronic applications	Jibreel Khoshman
4	Spectroscopic Characterization, Evaluation of Structure-Reactivity Descriptors and Prediction of Biological Activity Spectra of Some Pharmaceutical Compounds	Archana Gupta
7	Liver Segmentation From Abdominal CT Scan Image For Computer-Aided Diagnosis of Liver Tumor	Aicha Belgherbi
8	Phosphorous acid: An efficient and cost-effective liquid acid catalyst for the synthesis of α -aminophosphonates in aqueous media	ABDELKADER HELLAL
9	AMELIORATION OF PROPERTY OF AMBERLITE XAD16 RESIN AND HIS APPLICATION	Salima AITALI
10	Synthesis and characterizations of organophile MMT – copolymer (St-THF) nanocomposite	hattab youcef
12	Information and Communication Technology in the development of on-line course: Case of the Atomic and Molecular Spectroscopy	Abbaci Azzedine
13	Study of the physical and mechanical properties of HDPE / Alumina	Nabila Bouderdara
14	Microstructural Characteristics of Multicomponent Nb-Si Based Ultrahigh Temperature Alloy and its Alloying Effect	Xiping Guo
16	The performance optimization and specific adsorption of L-phenylalanine imprinted polymers using 1-vinyl-3-carboxymethylimidazolium chloride	Ping Guan
17	Extraction, comparative study of the biological activity of	Fayssal

	Caffeine and Theobromine	Boudjellal
21	Effect of the HA/Mg/ β -CD matrix on the antibacterial activity of the ciprofloxacin loaded in its surface	salima ziani
24	structural and electronic properties of MgSxSe1-x, MgSxTe1-x et MgSexTe1-x	BARIZA BOUTARFA
25	Elimination of tetracycline from water by photocatalysis using PC500 in batch system	Lamia KHENNACHE
26	Quantum Mechanical Study of Complexation of catecholamines with Cyclodextrin Using ONIOM method and NBO Analysis	Rayenne DJEMIL
29	Synthesis, Structural and Theoretical Study of a New Salt of Selenic Acid	Fouzia Boursas
30	Research of focusing parameters of the box-shaped cathode lens	Alpamys Ibrayev
31	The properties of the cathode lens with rotationally symmetric and sextupole components of focusing fields	Alpamys Ibrayev
33	Micro-Deep Drawability of Laser Diode Copper Alloy Sheet Using Graded DLC Film Coated Punches	Ming-Der Jean
37	Microstructural Evolution and Wear Behaviors of HVOF Spraying WC Coatings Melted by Laser Cladding	Ming-Der Jean
38	Surface Characterization and Femtosecond-Nanosecond Transient Absorption Dynamics of Bioconjugated Gold Nanoparticles: Insight into the Warfarin Drug-Binding Site of Human Serum Albumin	Osama Abou-Zied
40	Nanoscale Engineering in VO ₂ nanowires via Direct Electron Writing Process	Manling Sui
41	Low Dose in-Line Electron Holography for Atomic Resolution Tomography	Fu-Rong Chen
42	3D simulation and modeling of developing ultra-fast shell electrode detector	Zheng Li
43	Non-Commutative Geometry and Application to 2D Schrödinger Equation with central potentiel	Slimane Zaim
44	POTENTIAL ROLE OF SILYMARIN AND CYSTEINE AGAINST HEPATOTOXICITY INDUCED BY NICKEL IN ALBINO (WISTAR) RATS	Zine Kechrid
45	Charge transfer at hybrid organic-anorganic interfaces	Ateeq Rehman
46	Spectroscopic diagnostic of copper exploding wire plasma in distilled water	Hammad Humud
48	Lethal Dose Determination in Some Herbal Medicines in Kano State, Nigeria.	Aliyu Umar
49	HEAVY METALS POLLUTION OF SURFACE WATER AND SEDIMENT OF WATARI RESERVOIR, KANO STATE, NIGERIA	Garba Adamu
50	Histological and ultra-structural study of Khliaa Ezir, a traditional meat product of Algeria	Hiba Ryma BOUDECHICHA
51	Revealing the distribution and bioavailability of Zn, Pb and Cd in soil at an abandoned Zn processing site: the role of mass	Leslaw Teper

spectrometry techniques

54 Water-Soluble 2-/3-Formyl-BODIPY Fluorogens to Probe Sulfites Murat Işık