

Poster Session 1

ID	TITLE	SIMPOSIUM
	Miercoles 23 de septiembre 2026	
218	Pilot plant with Coagulation-Flocculation, Methanogenesis, and Advanced Oxidation processes for the simultaneous removal of CFX, CIP, SMX, and CBZ from domestic wastewater	REN
330	Growth of ZnO Thin Films for Solar Cell Applications.	REN
341	APPLICATION OF HIDROPHOBIC SILICA COATINGS TO ELECTRODEPOSITED BLACK NICKEL FOR THERMOSOLAR APPLICATIONS	REN
73	LiCo _{1-x-y} FexCryPO ₄ CATHODE: PERFORMANCE AND PHYSICAL PROPERTIES FROM FIRST PRINCIPLES	REN
80	SYNTHESIS OF YSZ THIN FILMS BY ALD: INFLUENCE OF THICKNESS ON RESIDUAL COMPRESSIVE STRESS	REN
334	Structural and Chemical Properties of B ₂ H ₆ -Doped Silicon Nanowires Deposited by PECVD	REN
89	Effect of Thermal Annealing on HFCVD-Grown MoO ₃ Thin Films for UV-Assisted Conductometric Sensing Applications	REN
349	Performance Enhancement of Non-Fullerene Organic Solar Cells through Nano-Graphite-Incorporated ZnO Electron Transport Layer	REN
123	Synthesis and fabrication of an Ag ₂ Se/SnSe based thermoelectric microgenerator for low temperature applications.	REN
386	Hydrogen Production via Aqueous Glycerol Reforming Assisted by Ultrasound Using a Heterogeneous Catalyst	REN
391	Post-Diffusion MACE as a Route to Optimize Emitter Sheet Resistance and Voc in Black Silicon Solar Cells	REN
398	Study of Selenium thin films obtained by RF-Sputtering and Thermal Evaporation deposition techniques.	REN
416	Synthesis and characterization of nanostructured YSZ thin films with potential application in fuel cells.	REN
172	Solvent-Free Synthesis of Imine-Linked Organic Precursors for Nitrogen-Doped Carbon Cathodes in Zinc-Air Batteries	REN
198	Influence of cultivation conditions on the growth and biomass production of Chlorella vulgaris for biofuel production	REN
253	Comparative Study of ZnO and CdS as Electron Transport Layers for Optimized Sb ₂ Se ₃ Thin Films Deposited by Close-Space Sublimation	REN
234	SYNTHESIS AND CHARACTERIZATION OF PRASEODYMIUM OXIDE (Pr ₆ O ₁₁) BY COPRECIPITATION FOR THE PHOTOCATALYTIC DEGRADATION OF MALACHITE GREEN	REN
345	Electrochemical Characterization and Hydrogen Evolution Kinetics of Vanadium Oxide Thin Films Deposited at 350°C and 400°C	REN
301	Optical and Structural Properties of ZnS Thin Films Deposited by Chemical Bath Deposition for Photovoltaic Buffer Layer Applications	REN
433	Lignin from corn-cob valorization to sustainable synthesis of PtPd nanoparticles: electrocatalytic applications of methanol oxidation reaction.	REN

431	Evaluation of CeO ₂ and ZnO for potential application in energy generation	REN
331	Fabrication and Preliminary Characterization of ZnO/Si Nanowire Heterojunction Solar Cells Prepared by PECVD-VLS	REN
41	DESIGNING A DUCTED WIND ENERGY HARVESTER TO SATISFY THE ENERGY DEMAND OF ELECTRIC VEHICLES AT LOW DRIVING SPEED	REN
344	Solar Selective Paints Derived from Cocoa Husk Biochar	REN
352	PHOTOCATALYTIC PERFORMANCE OF ONE-DIMENSIONAL ZNO NANOSTRUCTURES SYNTHESIZED BY THE VAPOR-LIQUID-SOLID TECHNIQUE	REN
100	Integrated layered materials/boron nitride for improve degradation of Ciprofloxacin under visible light irradiation	REN
114	TI ₃ C ₂ TX MXENE-GRAPHENE OXIDE MODIFIED CARBON ELECTRODES FOR IMPROVED PERFORMANCE OF CARBON-BASED PEROVSKITE SOLAR CELLS	REN
369	Theoretical Optimization of CIGSe Solar Cells with a V ₂ O ₅ Buffer Layer Using Numerical Simulation	REN
142	Fabrication of a p-n thin-film thermoelectric microgenerator based on optimized Ag-S-Se and CuO materials	REN
388	Bifunctional NiFeCo-LDH Cathodes Supported on N,S-Doped Vulcan Carbon for Rechargeable Zinc-Air Batteries.	REN
186	Synthesis and characterization of sulfanilic acid mediated by ZnO/Graphene oxide composite with preliminary electrochemical assessment	REN
210	Modeling of charge carrier flow through transport layers in organic solar cells.	REN
247	Development of a methodology for the recycling of Li-ion batteries	REN
312	Photoelectrochemical properties of nanostructured cerium oxide thin films.	REN
66	EFFECTS ON FeNi THIN FILMS DEPOSITED BY SPUTTERING WITH THE VARIATION OF THE MAGNETIC FIELD STRENGTH IN THE MAGNETRON	THF
138	Synthesis and Characterization of Silver-Doped Cu ₃ Se ₂ Thin Films through Electrochemical deposition	THF
266	Fe ₂ O ₃ and ZnO as functional metal oxides: a route for photocatalysis through spray pyrolysis	THF
418	Tailoring PEALD-Grown NiO and ZnO Transport Layers for Efficient CsPbBr ₃ Perovskite Light-Emitting Diodes	THF
108	EFFECT OF DEPOSITION CONDITIONS ON MAGNETOELECTRIC PROPERTIES OF NiFe (80/20) AND Co THIN FILMS	THF
121	Effect of deposition power on the structural and optical properties of ZnAg thin films obtained by reactive RF sputtering in a N ₂ atmosphere	THF
332	STUDY OF THE DIELECTRIC FUNCTION OF TRANSPARENT CONDUCTIVE Cd ₂ SnO ₄ FILMS	THF
185	Photoelectrical behavior of MIS structures with Sr _x Ba _{1-x} Nb ₂ O ₆	THF
203	Theoretical-experimental study of thin film solar cells based on the Sb ₂ S ₃ /CdS heterostructure	THF

201	Charge transport mechanisms in ITO/MnPc/Al ₂ O ₃ /Au-based MIS structure deposited at low temperature	THF
215	“Effect of substrate temperature on the structural and optoelectronic properties of ZnO thin films deposited by pneumatic spray pyrolysis”	THF
184	Tuning the Thermoelectric Properties of Sputtered Copper Oxide Thin Films via Oxygen Partial Pressure and Substrate Temperature	THF
254	Effect of Voltage on the Structural and Optical Properties of Electrochemically Synthesized Titanium Dioxide	THF
359	Diseño, construcción y evaluación de un sistema de spin coating de bajo costo para la síntesis de películas delgadas de ZnO e IGZO	THF
211	THE EFFECT OF SURFACE MODIFICATION TECHNIQUES ON 304 AND 316L STAINLESS STEELS TO IMPROVE THEIR CORROSION RESISTANCE IN THEIR USE AS BONE IMPLANTS	THF
214	Synthesis of doped cadmium sulfide thin films via chemical bath deposition for phototransistor applications	THF
227	Electrochromic properties of α -MoO ₃ nanoflakes thin films deposited by Reactive Magnetron RF Sputtering	THF
300	TEMPERATURE EFFECT ON THE MECHANICAL PROPERTIES OF CrAlTiN NANOSTRUCTURED COATINGS OBTAINED ON ALUMINUM ALLOY BY MAGNETRON SPUTTERING	THF
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372	Estudio de compósitos multiferroicos para el transporte magnetoeléctrico	THF
32	Study of electrical properties of Zr doped ZnO thin films	THF
371	Computational Modeling of Photonic Band Structure in Multilayer Thin Films via the Transfer Matrix Method under Oblique Incidence	THF
28	Synthesis and Optoelectronic Characterization of an Organic Semiconductor Film Based on Triphenylantimony	THF
74	High-quality Layered Nb/Mo Nanostructures Deposited by RF Magnetron Sputtering: Effect of the filling factor on electrical resistivity from 300 K to 10 K	THF
143	Impact of Mg doping and annealing temperature on the properties of spin-coated tin oxide thin films	THF
169	Laser Scribing Optimization of Metallic and Zinc Oxide Thin Films: Parameter Effects on Quality and Isolation	THF
350	GREEN SYNTHESIS OF GOLD NANOPARTICLES USING AN AMPHIPHILIC TRIBLOCK COPOLYMER	BIO
87	Design and fabrication of an immunomagnetic microfluidic device for the isolation and characterization of extracellular vesicles from cancer cells	BIO
410	Al/Mg LDHs synthesis employing Black tea (Camellia sinensis) extract by microwave/ultrasound method to adsorb paracetamol from wastewater.	BIO
406	Design and construction of an experimental platform for the additive manufacturing of Mg alloys	BIO

342	Green Synthesis of Silver Nanoparticles Facilitated by Eugenol: Evaluation of Structural, Optical, and Photocatalytic Properties	BIO
83	Biophysical and Structural Characterization of Decellularized Bovine Small Intestinal Submucosa Extracellular Matrix	BIO
37	Optical characterization, as well as photostability assessment of sunscreens by using photoacoustic spectroscopy	BIO
86	Self-normalized photoacoustic technique for thermo-optical characterization of polymers foils	BIO
91	Synergistic Antibacterial Activity of Iron and Zinc Oxisulfides Bilayers Via Chemical Bath Deposition	BIO
230	Structural and Magnetic Analysis of Hofmann-Type Coordination Polymers Exhibiting Spin-Crossover Behavior	BIO
236	Montmorillonite as a Carrier for Trimethoprim and Sulfamethoxazole: Solubility and Intercalation Studies	BIO
267	Structural Characterization of Hydroxyapatite Coatings on Ti6Al4V Using three deposition methods	BIO
36	Thermal characterization of sunscreens by using the front photopyroelectric configuration	BIO
316	Accelerated Stability Assessment of Antibiotic-Loaded Bacterial Cellulose Dressings Under Controlled Temperature and Humidity	BIO
256	Nanocellulose as a Sustainable Filler for Automotive Acrylic Paint: Structural Characterization and Acoustic Attenuation	BIO
358	Green Synthesis of Silver Nanoparticles Using Extracts from Dunaliella salina SQ and Evaluation of Their Antibacterial Activity	BIO
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8	Obtaining nanofibers by the electrospinning method with embedded nanoparticles	BIO
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160	Quantitative Phase–Property Correlation in Cu- and O-Incorporated ZnTe Thin Films Grown by RF Magnetron Sputtering	AQMC
420	Quantitative XPS Characterization of ALD-Grown Al₂O₃ Thin Films on Si(100)	AQMC

308	Finite Element Method Simulation of the Transient Thermal Lens Effect for Thermal Diffusivity Determination in Heptane.	AQMC
191	Preliminary Study of Indium Migration in InGaN/GaN Heterostructures Using ARXPS	AQMC
288	Characterization of Ferromagnetic Composites in 3D Printed Polymers for High-Frequency Electromagnetic Application	AQMC
304	Development and Characterization of Electrospun PVA/Collagen Nanofibers Functionalized with Bioactive Agents for Diabetic Foot Wound Treatment	AQMC
261	Analysis of iron oxidation states in $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ and $\text{C}_6\text{H}_{11}\text{FeNO}_7$ using asymmetric coupled-resonance peak fitting	AQMC
347	Analysis of indium migration in InGaAs by Angle-Resolved X-Ray Photoelectron Spectroscopy	AQMC
338	Optimization of synthesis conditions for tunable fluorescence properties of Curcumin	AQMC
285	Spatial and Energy Dependence of Photoacoustic Signals Induced by Focused Nanosecond Laser Pulses on a Metallic Surface	AQMC
122	A Geometric Model for Contact Angle Estimation of Spherical Caps from Oblique-View Images	AQMC
130	A-Site Compositional Engineering of $(\text{Ba,Ca,Sr})\text{Ti}_{0.95}\text{Zr}_{0.05}\text{O}_3$ Lead-Free Ceramics for Enhanced Dielectric and Electromechanical Response	AQMC
146	Optical Caustic Characterization of Contact Stress Fields in Graphene-Modified Carbon Fiber Laminates	AQMC
189	Preparation and photocatalytic degradation of methylene blue using a sulfanilic acid-functionalized NiO/GO ternary composite with electrochemical evaluation	AQMC
158	Characterization of Electrospun PCL/Collagen Scaffolds and Evaluation of Their Post-Sterilization Stability for Applications in Three-Dimensional Cancer Models	AQMC
393	Synthesis and characterization of advanced phases of the $\text{RE}_3\text{Ba}_5\text{Cu}_8\text{O}_{18}$ family ($\text{RE} = \text{Y}^{3+}, \text{Sm}^{3+}$)	AQMC
4	DEVELOPMENT AND ELECTROCHEMICAL EVALUATION OF AN INP-BSA QUANTUM DOT BIOSENSOR FOR NORFLOXACIN DETECTION	SEM
5	Antifungal Activity of Green-Synthesized ZnO Nanoparticles against <i>Aspergillus niger</i>	SEM
6	Extraction and analysis of ZnO using raspberries as a green feedstock, with photocatalytic applications	SEM
15	Functional evaluation of nanomaterials as photocatalysts for the degradation of industrial dyes in water	SEM
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144	XPS studies on surface reduction of WO_3 thin films by Ar^+ bombardment	SEM
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289	Nucleation Dynamics of InAs Quantum Dots on AlGaAs Surfaces with Variable Aluminum Content	SEM
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317	Engineering of InGaAs Compositional Gradients for III–V Semiconductor Virtual Substrates	SEM
76	Microwave-assisted green synthesis of ZnCo ₂ O ₄ and Ag-ZnCo ₂ O ₄ nanoparticles: optical tuning and photoresponse	SEM
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364	From the development board to semiconductor growth and article publication.	SEM
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