On-site Poster Session I

# ID	Presenter	Title	Country
7	María Fernanda Vaca Farinango	Green Hydrothermal Synthesis and Preliminary Spectroscopic Characterization of Silver Incorporated Carbon Quantum Dots Derived from Ilex guayusa	Ecuador
11	Cintia Belén Contreras	Dual-responsive Hybrid Nanosystems as Selective Transport for Chemotherapeutics	Argentina
15	Henry Edet	Integrating Machine Learning and Density Functional Theory to Predict $COCl_2$ Sensing Performance of Modified Metal-Organic Frameworks	Chile
17	Shreelekha Mishra	Impurity-Induced Evolution of Carrier Effective Masses in Al-doped ZnO from First-Principles Calculations	Peru
20	Wiliams Garcia Argote	Rational Design of $Li_{10}B_{10}H_8$ Nanocluster for High-Capacity Hydrogen Storage	Chile
21	Adelcio de Souza	Physics-based Compact Model for the Small-signal Characteristics of Resonant Tunneling Diodes	Brazil
23	Fabiola Bravo-Hualpa	Bilayer Architecture Al and Cr co-doped ZnO Gas Sensor: Structural Characterization and Transient Sensing Analysis	Peru
24	Juan Carlos González Pérez	Artificial Intelligence-assisted Spectroscopic Ellipsometry for Label-free Identification of Nanoscale Optical Signatures following COVID-19	Brazil
26	Maria I. N. da Silva	Nano-Optical Characterization and Biophysical Modeling of Serum Nanoscale Dielectric Heterogeneities via Spectroscopic Ellipsometry and AI	Brazil
28	Sergio A. Urzúa	Implications of the Rearrangement and Structural Changes of Flexible Proteins on the Adsorption Process with Nanostructured Surfaces via Multiscale implicit-explicit Approach.	Chile
30	Roberto Reyes Prado	Tuning the Electronic Structure of Anatase TiO_2 through Surface Orientation and Reduction: A DFT Study toward TiO_2/Ti_3C_2 Heterojunction	Chile
31	Kiara Luciana Mendoza Vargas	Synthesis of $Fe_3O_4@SiO_2–SO_3H$ Nanocomposites Magnetic with Potential Application as Heterogeneous Catalysts	Peru
33	Yehudhah Kennedy Rodriguez Moran	Publication-Disjoint Machine Learning for Multiobjective Nanoparticle Formulation Design Toward Coronary Nanomedicine	Ecuador
34	Desire Kalu	Interfacial Surface Chemistry and Adsorption Dynamics of Pyridine and 4,6-Dimethylthiophene on Surface-Engineered Bio-Derived Nanoporous Carbons	Chile
35	Carolina G. Sayes Reátegui	Synthesis of Biopolymeric Nanosystems as Phytohormone Carriers: An Alternative to increase Crop Resilience	Chile
36	Dumer Stiven Sacanamboy Papamija	Directional Ring-Current Mapping Reveals Compartmentalized Aromaticity in the Ge244– Metalloid Nanocluster	Chile
40	Luis Francisco Sanchez Sovero	Green-synthesized of CeO_2 Nanoparticles from Tara Extract: Structural Control, Band Gap Modulation and Photocatalytic Potentia	Peru

42	Luis Roy Quispe Corimayhua	Magnetostructural Analysis of Bimetallic U(V) Diamond-shape Structure	Chile
45	María Luisa Cerón Loayza	Influence of pH and Iron Oxide Nanoparticles on Cr(VI) Removal Using Electrospun PVDF-HFP Nanofibrous Membranes	Peru
54	Manuel Chavez	Optimization of Peruvian Diatomite for Heavy Metals Remediation in Water	Peru
55	Ricardo Enrique Palma-Goyes	Composition-Dependent OER/CER Selectivity of Ti/RuO_2-Based Mixed-Metal Oxide Anodes: A Systematic Electrochemical Benchmark	Colombia
57	Lidia Tenorio	Copper Restriction in Human iPSCs as a Functional Platform for Golgi-Targeted Cu(I) Nanodelivery in Menkes Disease	Chile
58	Jonathan Manríquez	Surface Functionalization of Eggshell-Derived CaO Nanoparticles as a Strategy to Enhance Their Biomedical Potential	Chile
62	Leinner Motta	Synthesis and Characterization of PEGylated Gold Nanoparticles Encapsulated in BSA and Functionalized with DV3 for Melanoma Targeting	Chile
64	Leonardo Reyes Fernández	The Role of Differential Solvation in Calix[4]pyrrole-Halide Interactions: An Energy Decomposition Analysis	Chile
65	Rossy Guillén-Watson	Production and Physicochemical Characterization of Fluorescein-Labeled Polystyrene Nanoplastics as Probes for Soil–Microbiome–Plant Interactions	Chile
66	Catalina Araya	Computational Prioritization of HIGD2A Mutations: Implications for Cardiolipin Binding and Mitochondrial Respiratory Supercomplex Stability	Chile
68	Margot Paco Chipana	Computational Screening and Structural and Energetic Determinants in the Selection of Host Macrocycles for Supramolecular Neurotransmitter Chemosensors	Peru
69	Diego Inostroza	Unveiling the Nickel Boron Sandwich, is there a rule design?	Chile

On-site Poster Session II

# ID	Presenter	Title	Country
61	Francisco Rubio	Magneto-Structural Correlations in Transition-Metal Complexes of N,NBis(hydroxyethyl)glycine	Chile
70	Viviana Espinoza-Gómez	Portable Thermal Monitoring System for Sustainable Cooling Management in Soxhlet Extraction under Territorial Conditions	Chile
71	Julio Almachi	Synthesis and Characterization of Nb-doped CuO Thin Films by co-Sputtering as an Emerging Material for Sustainable Optoelectronic Applications	Ecuador
74	Roberta Fagundes	Effects of Nanoparticle Size and Anisotropic Morphology on SERS Performance	Brazil
75	Alejandro Vasquez-Espinal	Beyond Electron Counting Rules: Potential Energy Landscapes and Kinetic Stability of Boron Hydride Clusters	Chile
76	Lizbeth Aymara Paira	Development of a BSA-encapsulated Gold Nanoplatform: Physicochemical Characterization, Photothermal Response to NIR and Cell Viability in A2780 Cells	Chile
77	Subhasree Panda	From 2D to 3D: Engineering MXene Architectures for Enhanced Photothermal Conversion	Chile
79	Yuri Silva	Silicon-Supported Plasmonic Nanostructures for Agrochemical Identification	Brazil
83	Daniela González Vera	Design and Evaluation of Carbon Nanofiber-Supported Pd Catalysts for Nitrobenzene Hydrogenation	Chile
84	Carlos Cruz	Multifunctional ZnS:Mn-based materials: Photoluminescent, Scintillating, and Piezoelectric Properties	Chile
87	Joaquin Alejos	Structural Modification and Nonlinearity due to Nb_2O_5 Modifications in Tellurite-Zinc-Lanthanide Glasses	Peru
88	Astrid Quiroga	Physicochemical Characterization of Graphite in schist from the Cordillera Real (Ecuador) as Potential Precursors for Advanced Carbon Materials	Ecuador
90	William Nicolas Bacca Novoa	Synthesis and Characterization of Magnetite Nanoparticles Functionalized with a Zwitterionic Polymer	Colombia
92	Marcos G. Quiles	Multi-Objective Molecular Design Using Property-Conditioned ASVAE	Brazil
94	Melissa Alisson Mejía Barraza	Ultrafast Kinetics and High-Capacity Removal of Methyl Green Using MoS_2 Nanosheets	Peru
95	Jennifer Cuellar-Castrillón	Endohedral Beryllium in a Drum-Shaped Al10 Cluster	Chile
97	David Angel Apaza Machaca	From Proteome-Wide Target Prioritization to Natural Product Discovery: A Multiscale Computational Study of Leishmania Braziliensis	Peru
98	Hachisko Tapia Maureira	Memory Effects in Pulsed Optomechanical Systems	Chile

99	Geraldine Bazan	Curcumin-Loaded Nanoparticles Based on High-Molecular-Weight PLLA Derived from Native Potato Starch: Preparation and Characterization	Peru
100	Ana Paula Osories Tinoco	Development and Evaluation of Electrospun Polyvinyl Alcohol (PVA) Nanofibers with Oregano Essential Oil for Potential Application in Active Food Packaging	Peru
102	Andrea Ovalle Bolea	Schiff Bases with Intramolecular Hydrogen Bonds: Excited-State Proton Transfer and Charge-Transfer States in Re(I) Tricarbonyl Complexes	Chile
104	Ana Suárez	From Intramolecular Hydrogen Bonding to Tunable ^{3}MLCT Emission: A Physicochemical Study in a Model Hydrogen-Bonded Ru(II) Polypyridyl Chromophore	Chile
105	Franklin Paúl Vilca Sucasaire	Ab initio Study of Exchange Interactions in $CrCl_3$ Monolayers: Four-State Energy Mapping using the Generalized Heisenberg Hamiltonian	Peru
110	Leslie Larico Ramirez	Integrative Computational Discovery of a Lichen-Derived Acetylcholinesterase Inhibitor Candidate for Alzheimer's Disease	Peru
111	Nancy Pizarro	Tricarbonyl Re-Mn Complexes for Photoinduced Singlet Oxygen Generation and Carbon Monoxide Release	Chile
112	Leonardo Allel	Optical Attenuation and 1064 nm Photothermal Response of Aqueous rGO, MXene, and rGO–MXene Nanofluids	Chile
113	Ravi Kumar Yohan	Two-Dimensional MXene-Reinforced Polymer Nanocomposites: Synthesis, Multifaceted-Properties, Applications, and Perspectives	Chile
114	Andrés C. Arana-Linares	Design-of-Experiments-Guided Optimization of Galantamine-Loaded Liposomes Prepared by Ethanol Injection	Chile
115	José C. E. Márquez Montesinos	Chemical 2′-Modifications in RNA Aptamers: Towards Structural Insights for Diagnostic and Pharmacological Applications	Chile

Virtual Poster Session

# ID	Presenter	Title	Country
3	Ronald David Rocha Cabrera	Structural and Electronic Study of the η-Al_5Fe_2 Alloy Prepared by Arc Melting	Peru
27	Juan Cruz Bonafe Allende	Unraveling the Interaction of Charged Molecules Confined in Smart Hybrid Nanosystems	Argentina
29	Denilson Cardoso Correa	Temperature-Dependent Perturbed Angular Correlation Study of NiV_2O_6	Brazil
46	Prerna Dusi	Transformer Based Raman Spectral Analysis for Rapid Identification of Carbon Nanomaterial Structural Defects	India
52	Muhammad Shahbaz	Quantum Computing AI-Aware Threat Intelligence Security in Blockchain System for Hybrid Machine Learning, Deep Learning and Federated Cyber Defense in Industrial IoT	Portugal
72	Juan Israel Gonzáles Coronel	Synthesis and Characterization of Biodegradable Electrospun Fibers Based on Recycled PLA Functionalized with Ag-NPs and ZnO-NPs for Applications in Air Filtration Systems	Peru
81	Melissa Sonia Yactayo Yaranga	Orbital Transport Via an Interfacial Loading-Unloading Mechanism mediated by a Spin Current	France
82	Mirtha Pillaca Quispe	A Streamlit Based Framework for Visualizing Quantum Mechanical Property Spaces of Small Organic Molecules	Germany
85	Kevin Parco	Divalent Lanthanocenes: Linking $4f^n5d^1$ Electronic Structure to Magnetic Properties and Axial Anisotropy	Chile
89	Luis Fernando Rondan Villagra	Nanoscale Interface Mapping of Soil Humic Matter on an Ancestral PET Hydrolase Reveals a Binding Hotspot Away from the Catalytic Site	Peru
91	Iason Dimopoulos	Analog In-Memory Emulation of Variational Quantum Circuits on Multistate Memristive Crossbar Arrays	Greece
101	Sandra Curioso	Immobilization of α-Amylase on Magnetite–Chitosan Nanoparticles for the Hydrolysis of Native Potato Starch	Peru
117	Rodolfo Tiznado-Araya	Effect of Chitosan Concentration and pH on the Characteristics of Nanoparticles made of Biomedical-Grade Chitosan and Sodium Tripolyphosphate for Potential Bioformulation Applications	Chile