



GMT+1 Portugal time	ANM2024-Portugal Virtual Presentations 23rd July 2024
	ANM (Advanced Nano Materials)
	Session Chairs: Joao Ventura , <i>University of Porto, Portugal</i> , Luiz Pereira , <i>University of Aveiro, Portugal</i> ,
8.00-8.15	Adrine Malek Khachatourian , <i>Sharif University of Technology, Iran</i> Green Synthesis of Nd-doped ZnO @ N-doped g-C3N4 Nanohybrid for Photocatalytic Degradation of Pharmaceutical Pollutant
8.15-8.30	Andreia Silva , <i>IFIMUP, FCUP, Portugal</i> Study of Copper-based Solutions for Neuromorphic Computing
8.30-8.45	Henrique Teixeira , <i>IFIMUP/FCUP/INL, Portugal</i> Applications of 2D Ti3C2Tx MXenes in neuromorphic devices
8.45-9.00	Lorena Gonzalez-Legarreta , <i>Universidad de Cantabria, Spain</i> Synthesis and Characterization of Er-doped silica nanoparticles for biological applications
9.00-9.15	Maria Gracio , <i>IFIMUP, University of Porto, Portugal</i> Exploring the Integration of Mxenes in Polymers for Resistive Switching Devices
9.15-9.30	Necmettin Kilinc , <i>Inonu University, Turkey</i> Hydrogen detection and electrical properties of perovskite TiSiO4 Schottky diode
9.30-9.45	Necmettin Kilinc , <i>Inonu University, Turkey</i> Fast response and highly sensitive hydrogen sensing of Pt-Pd alloy thin films on flexible substrate
9.45-10.00	Sezin Galioglu , <i>National Nanotechnology Research Center, Bilkent University, Turkey</i> Ultrafast Laser Synthesis of Nanoporous Zeolites
10.00-10.15	Gregory Jerkiewicz (Plenary) , <i>Queen's University, Canada</i>
10.15-10.30	Platinum, Palladium, and Nickel Nanomaterials for Electrochemical Energy Generation and Storage “An Overview”
10.30-10.45	Pilar Mercader-Moyano , <i>University of Sevilla, Spain</i> Comparative Analysis of Scientific Papers on LCA Applied to Nanoparticulated Building Materials
10.45-11.00	Tommaso Del Rosso , <i>PUC-Rio, Brazil</i> Control of the photoluminescence quantum-yield of gold organometallic nanocomposites by pulsed laser driven CO2 reduction reaction
11.00-11.15	Vaishali Raikwar , <i>Ramniranjan Jhunjhunwala college, Ghatkopar, Mumbai-400086, India</i> Carbon Dots-Polymer Composite Materials for WLED Application
11.15-11.30	Fabio Cicoira , <i>Polytechnique Montreal, Canada</i> Functional organic polymers for stretchable, healable and recyclable electronics
	APM (Advanced Polymer Materials)
	Session Chairs: Olena Okhay , <i>University of Aveiro, Portugal</i> , Estelina Lora , <i>University of Porto, Portugal</i>
11.30-11.45	Lyubomira Radeva , <i>Faculty of Pharmacy, Medical University of Sofia, Bulgaria</i> Developing of Two Different Types of Polymeric Nanoparticles as Carriers of Doxorubicin
11.45-12.00	Mindaugas Ilickas , <i>Kaunas University of Technology, Lithuania</i>

	Integration of Silver Nanoparticle-Polymer Nanocomposite into 3D-Printed Protective Cover: a Study of Antiviral Performance
12.00-12.15	Rafizah Rahamathullah , <i>Universiti Malaysia Perlis, Malaysia</i> Chitosan Based Solid Electrolyte doped with New Azo-Azomethine Additive for Electric Double-Layer Capacitor (EDLCs)
12.15-12.30	Venkata Eskilla , <i>University of Aveiro, Portugal</i> Tailored polymer nanocomposites for enhanced energy storage
	AEM (Advanced Energy Materials)
12.30-12.45	Thais Neves , <i>Universidade Federal do Rio Grande do Sul, Brazil</i> Development of kaolin-rice husk ash support for carbon membrane application
12.45-13.00	Will Skene , <i>Universite de Montreal, Canada</i> Photoactive Binder for Battery Use and its Potential Application for Battery Charging with Light
	HE (Hydrogen Energy)
	Session Chairs: : Carmen M. Rangel , <i>LNEG, Portugal</i> , Joao Campos Gil , <i>University of Coimbra, Portugal, D. Pukazhselvan</i> , <i>University of Aveiro, Portugal</i>
13.00-13.15	Ya-Long Du , <i>Beijing Jiaotong University, China</i> Unleashing the Power of Hydrogen: Challenges and Solutions in Solid-State Storage
13.15-13.30	Valeria Lionetti , <i>University of Calabria, Italy</i> New Activation Methods for the Preparation of Carbon-based Materials from Biomass for Gas Storage Applications.
13.30-13.45	Seda Koksall Yegin , <i>Yildiz Technical University, Turkey</i> The fabrication and assessment of composite membranes made of polyacrylonitrile-co-methyl acrylate (PAN-MA) for possible use as proton exchange membranes in fuel cells
13.45-14.00	Daniel De Wolf (Keynote) , <i>TVES, University of Littoral and CORE, UCLouvain, France</i>
14.00-14.15	Modeling and technical-economic analysis of a hydrogen transport network for France
14.15-14.30	Ibrahim Dincer (Plenary) , <i>Ontario Tech. University, Oshawa, Canada</i>
14.30-14.45	New Paradigms in sustainable Energy solutions
14.45-15.00	
15.00-15.15	Vasyl Kravets , <i>The University of Manchester, Department of Physics and Astronomy, United Kingdom</i> Nanostructured MgB ₂ Plasmonic Photoanodes for Solar Water Splitting with Visible-IR Light (SEM)
15.15-15.30	Lovepreet kaur Dhugga , <i>Thapar Institute of Engineering & Technology, India</i> Improved shielding effective behaviour in the polypyrrole based nanocomposites by incorporation of dielectric CaCu ₃ Ti ₄ O ₁₂ nanoparticles (ANM)
15.30-15.45	Yusong Yu <i>Beijing Jiaotong University, China</i> CFD simulation of the effect of in-cylinder water injection on the performance of a H ₂ -diesel dual-fuel compression ignition engine
15.45-16.00	Daphne Mary John , <i>Amrita Vishwa Vidyapeetham, Coimbatore, India</i> Structural, optical, and photocatalytic degradation of pharmaceuticals by sintered sn-zno composite (ANM)
16.00-16.15	Michael Ohadi (Keynote) , <i>University of Maryland, USA</i> Cyclic stability testing of Glauberâ€™s salt based composites for low-temperature applications
16.15-16.30	Muhammad Tahir , <i>Chemical and Petroleum Engineering Department, College of Engineering, UAE University, UAE</i> Titanium Carbide MXenes (Ti ₃ C ₂) with Nickel co-catalyst to Construct g-C ₃ N ₄ Ternary Composite for Photocatalytic Green Hydrogen Production (HE)

16.30-16.45	Rahul Gupta , <i>IIT Kanpur, India</i> Laser Induced Graphene-supported Cu-Ag Nanoparticle based Chemiresistive Sensor for detection of Thrombin in Human Plasma (AGM)
16.45-17.00	Ramavatar Meena , <i>CSIR-Central Salt and Marine Chemicals Research Institute, India</i> Innovative Materials from Seaweed Polymers for Environmental Applications (APM)
17.00-17.15	e-posters (2 minutes power point slides)
	Renato da Silva Pereira , <i>UPE-POLI, Brazil</i> Forecasting of the Steam Reforming of Ethanol for the Production of Hydrogen in a Photovoltaic Energy-Aided Packed Bed Membrane Reformer: Modelling and Simulation (HE)
	Suphitcha Moonngam , <i>Materials Science Research Center, Faculty of Science, Chiang Mai University, Thailand, Thailand</i> The Development of High-performance Electrochemical Properties with a Fine-grained Aluminium Anode for Al-air batteries (AEM)
	Thais Neves , <i>Universidade Federal do Rio Grande do Sul, Brazil</i> Development of tubular carbon membrane for gas separation using kaolin support (AEM)
	Thais Neves , <i>Universidade Federal do Rio Grande do Sul, Brazil</i> Preparation of Template-free ZSM-5 Zeolite Membranes by Secondary Hydrothermal Treatment on Supports Made from Rice Husk Ash and α -alumina (AEM)
	Nhat Anh Tran , <i>Voronezh State University of Engineering Technologies, Russia</i> Synthesis of the system $\text{SiO}_2\text{-Gd}_2\text{O}_3\text{-Eu}_2\text{O}_3$ and research of the acid-base properties (ANM)
	Andrea Ehrmann , <i>Bielefeld University of Applied Sciences and Arts, Germany</i> Measuring Physical and Chemical Properties of Single Nanofibers – Possibilities and Limits (ANM)
	Olexandr Bondarchuk , <i>Technological University of Mixteca, Mexico</i> Nanometric BiVO_4 Coating Grown by Directed Assembly on $\text{CuO-Sb}_2\text{O}_5\text{-SnO}_2$ Ceramics for Photoelectrochemical Water Splitting (SEM)