

28/06/2021			29/06/2021		
8.45-9.00	Welcome Chairs: M. Sucheá, O.N. Ionescu		Chairs: P. Pascariu, F. Iacomí, E. Koudoumas		
9.00-9.25	Prof. Dr. Cláudia Gomes Silva	"Photocatalytic organic synthesis: from nanomaterials to process intensification"	9.00-10.00	Poster session 10 posters	section B
9.25-9.50	Dr. Petronela Pascariu	"PVDF fibers embedding lanthanide doped ZnO membranes for adsorption and photocatalytic degradation of dye organic pollutants"			
9.50-10.15	Dr. Sivasankar Koppala	"Metal oxide based photocatalysts for environmental applications"	10.00-10.15	Organizers presentation IMT CEMATEP PP Dt. Adrian Dinescu IMT, Prof. Emmanouel Koudoumas CEMATEP and Dr. Anton Airinei "Petru Poni" Institute	
10.15-11.00	3 orals		10.15-11.00	3 orals	
	K.I. Malatjie	Iron-doped cerium oxide/graphene oxide nanocomposites for the degradation of Photocatalytic treatment of liquid digestate produced from the anaerobic H2 evolution over Cu-impregnated P25-TiO2 via alcohol photoreforming: an		Ioannis Vamvasakis	Visible-Light Photocatalytic H2 Production Activity of β -
	Evangelia Vasilaki			Faisal Suleiman Mustafa	Photocatalytic degradation of toxic phenolic compound and
	Laura Clarizia	H2 evolution over Cu-impregnated P25-TiO2 via alcohol photoreforming: an		Mirela Sucheá	New La doped TiO2 nanofibers for photocatalytic degradation
11.00-11.15	coffee break Chairs: Dimitra Vernardou, Cláudia Gomes Silva		11.00-11.15	coffee break	
11.15-11.40	Prof. Dr. Suresh C. Pillai	"Photocatalysis for anti-bacterial applications"	11.15-11.40	Dr. Claudia Bizzarri	"Homogeneous photocatalytic reduction of CO2"
11.40-12.05	Ing. Dr. Gian Luca Guerrini	"Photocatalysis and virus"	11.40-12.05	Dr. Mirabbos Hojamberdiev	"Transition metal sulfides-based photocatalytic materials derived from mining and metallurgical wastes"
12.05-12.30	Dr. Sami Rtimi	"Bacterial inactivation at the interface of sputtered photocatalytic surfaces without ions release: photo-generated intermediates and possible mechanisms"	12.05-12.30	Dr. Kishore Sridharan	"2D/2D Heterojunction Photocatalysts for Sustainable Energy and Environmental Applications"
12.30-13.00	Lunch break Chairs: Dimitra Vernardou, Alexandra Mocanu		12.30-13.00	Lunch break	
13.00-13.25	Dr. Evie L. Papadopoulou	"Antibacterial Textiles Using Visible Light Using Manganese Doped TiO2 Nanoparticles"	13.00-13.25	Dr. Luigi RIZZO	"Water and wastewater treatment by heterogeneous photocatalysis: results, process limitations and prospects",
13.25-13.50	Dr. Muhammad Fahad Ehsan	"Tuning Surface Chemistry of Black Anatase TiO2 Nanofibers for Photocatalytic Applications"	13.25-13.50	Assoc. Prof. PhD Habil. Silviu-Octavian Gurlui	"Trace elements Photo-Analysis for environmental applications: a case study"
13.50-14.15	Prof. Dr. Ewa Kowalska	"Plasmonic photocatalysts for environmental applications"	13.50-14.15	Dr. Alexandra Mocanu	"Synthesis of ZnO with enhanced photocatalytic activity using a sacrificial biomass support and Li2O as doping agent"
	Chairs: C. J. Tavares, Sami Rtimi, Ioana Csatlos,		Chairs: Alexandra Mocanu, Oana Nedelcu, Silviu Gurlui		
14.15-15.45	6 orals		14.15-15.45	6 orals	
	Vidya Shetty K	Bio-chemo sequential synthesis of silver oxide nanoparticles embedded in TiO2		Zhishun Wei	Photocatalytic activity of noble metal modified octahedral
	Eirini D. Koutsouroubi	2D/2D Ni-doped MoS2/g-C3N4 Layered Hetero-Nanostructures as Highly Efficient Photocatalysts for Environmental		Kunlei Wang	Size-controlled platinum deposited on titania for enhancement of photocatalytic
	L. Favier	TiO2/UV-A mediated advanced oxidation of an emergent water contaminant:		Cosmin Romanitan	Structural investigations of photocatalytic ZnO
	L. Marchão	Photocatalysis with immobilized TiO2 - coated glass rings and UV-A LEDs as a final treatment step of winery wastewater treatment		Maria Covei	Photocatalytic Composite Thin Films with Controlled Optical Properties Based on TiO2, WO3 and rGO
	Iuliana Cocean	Photo-degradation of some landfill contaminants on the surrounding waters		Alexandru Cocean	Laser induced chitin deacetylation- cutting-edge technology for "natural biological waste"
	Cristina Bogatu	ZnO-(r)GO composite thin films for photocatalytic applications		Maali A. Mersel	Photocatalytic H2 generation from H2S on CdS-ZnS semiconductors
15.45-16.00	coffee break Chairs: P Pascariu, Gian Luca Guerrini		15.45-16.00	coffee break	
16.00-16.25	EFdeN - Ioana Csatlos	"Co-creation of future cities - EFdeN Sustainable City "	16.00-16.25	Assoc. Prof. Dr. Constantinos Stoumpos	"Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"
16.25-16.50	ASCENT+ Mr. Nicolas Cordero	"ASCENT+ Access to European Infrastructure for Nanoelectronics"	16.25-16.50	Prof. Dr. Núria López	"Modeling of photo-electrochemistry"
16.50-17.15	Mr. Pierluigi Biasiolo REAIR Sponsor Prez	ANTIMICROBIAL/ANTIVIRAL APPLICATIONS OF TRANSPARENT PHOTOCATALYTIC COATINGS	16.50-17.15	Prof. Georgios Kopidakis	"Theoretical investigation of low-dimensional materials for photocatalysis"

14	Tetiana S. Hubetska	Development of carbon adsorbents from industrial pyrolyzed biowaste by-products under varying conditions of ZnCl ₂ and H ₂ O ₂ /HNO ₃ activation			
15	Loubna NOURI	Synthesis and characterization of a nanophotocomposite beads based on sodium alginate and zinc oxide for wastewater treatment			
16	Tingting Que	Novel SmMnOx catalyst prepared by coprecipitation coupled solvothermal for low temperature NH ₃ -SCR and SO ₂ resistance			
section B					
1	Narcisa Vrinceanu	Solar light driven oxidation of an organic dye with ZnO fabricated through a coprecipitation methodology			
2	Cristina Postolachi	CdSe Quantum Dots insertion effect on the alpha-keratin PLD-thin films			
3	A. Douloumis	First-principles calculations for Mn-doped ZnO			
4	Iuliana Cocean	High pulsed-laser effect on the hemp composite - advanced materials			
5	Fatimah Is	UV-Visible sensitized Clay-Supported ZnO/Clay Photocatalyst for Dye Degradation			
6	Silviu Gurlui	Huge ice lump fell from the atmosphere: effect of complex cumulative pollution phenomenon			
7	Carmen Gherasim	Structural properties of copper oxide nanoparticles and their applications as photocatalysts in organic pollutants degradation			
8	Insaf.Ould Brahim	REMOVAL OF METHYL GREEN FROM AQUEOUS SOLUTIONS BY ADSORPTION ON THE SHRIMP CARAPACE AND PHOTODEGRADATION USING UV-C			
9	Alexandru Cocean	Quantum Dots Pulsed Laser Deposition – a new simulation technique			
10	George Kenanankis	3D printed nanocomposites for energy and environmental applications			
section C					
1	Insaf.Ould Brahim	KINETIC INVESTIGATION ON SONOCHEMICAL DEGRADATION OF FOOD DYES E132 AND E127 IN AQUEOUS SOLUTION			
2	Iuliana Cocean	Washing municipal streets – the origin of some photo-contaminants pollution			
3	Kevin V. Alex	Effect of Sputtering Voltage on the Photocatalytic Activity of Sputtered Silver Nanoparticle Thin Films			
4	Salmon Landi Jr. Iran Rocha Segundo	Considerations about the determination of the band gap from diffuse reflectance spectroscopy			
5	Eleni C. Macropulos	White-light emitting layered hybrid lead halide perovskites			
6	E. Manidakis	Formamidinium- Methylammonium Lead Iodide for Optoelectronic Applications			
7	Muhammad Saeed	Co ₃ O ₄ -Bi ₂ O ₃ heterojunction; An effective photocatalyst for photodegradation of rhodamine B dye			
8	E. Pervolarakis	Data-informed simulations for gold nanoparticles for energy applications			
9	R. RATSHIEDANA	PHOTODEGRADATION OF TARTRAZINE USING Ag DOPED TiO ₂			
10	Vasile Pelin	Photochemical effects on heritage asset because environmental stress			
11	Alexandru Cocean	AMC-COMSOL: the new finite element technique to increase solar cell conversion			