28/06/2021			29/06/2021		
			23/00/2021		
8.45-9.00	Welcome Chairs: M Suchea, O.N. Ionescu	C	nairs: P. Pascariu, F. Iacomi, E Koudoum	as	
9.00-9.25	Prof. Dr. Cláudia Gomes Silva	"Photocatalytic organic synthesis: from		Poster session 10 posters	section B
		nanomaterials to process intensification"			
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 K.I. Malatjie	Iron-doped cerium oxide/graphene oxide	10.15-11.00	3 orals Ioannis Vamvasakis	Visible-Light Photocatalytic H2
		nanocomposites for the degradation of			Production Activity of β-
	Evangelia Vasilaki	Photocatalytic treatment of liquid digestate produced from the anaerobic		Faisal Suleiman Mustafa	Photocatalytic degradation of toxic phenolic compound and
	Laura Clarizia	H2 evolution over Cu-impregnated P25-		Mirela Suchea	New La doped TiO <sub>2</sub> nanofiber
		TiO2 via alcohol photoreforming: an			for photocatalytic degradation
11.00-11.15	coffeee break		11.00-11.15	coffeee break	
	Chairs: Dimitra Vernardou Cláudia Gomes Silva		Chairs: M Suchea , Evie Papadopoulou		
11.15-11.40	Prof. Dr. Suresh C. Pillai	"Photocatalysis for anti-bacterial	11.15-11.40	Dr. Claudia Bizzarri	"Homogeneous photocatalyti
		applications"			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 material
					derived from mining and metallurgical wastes"
12.05-12.30	Dr. Sami Rtimi	"Bacterial inactivation at the interface of	12.05-12.30	Dr. Kishore Sridharan	"2D/2D Heterojunction
		sputtered photocatalytic surfaces without ions release: photo-generated			Photocatalysts for Sustainable Energy and Environmenta
		intermediates and possible mechanisms"			Applications"
12.30-13.00	Lunch break		12.30-13.00	Lunch break	
	Chairs: Dimitra Vernardou, Alexanadra Mocanu	Chair	s: Felicia Iacomi, Dr. Mirabbos Hojamb	erdiev	
13.00-13.25	Dr. Evie L. Papadopoulou	"Antibacterial Textiles Using Visible Light		Dr. Luigi RIZZO	"Water and wastewater
		Using Manganese Doped TiO2 Nanoparticles"			treatment by heterogeneous photocatalysis: results, process
		realiopal dices			limitations and prospects","
13.25-13.50	Dr. Muhammad Fahad Ehsan	"Tuning Surface Chemistry of Black	13.25-13.50	Assoc. Prof. PhD Habil. Silviu-	"Trace elements Photo
		Anatase TiO2 Nanofibers for		Octavian Gurlui	Analysis for environmenta
		Photocatalytic Applications"			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 photocatalyti
		environmental applications			activity using a sacrificia
					biomass support and Li2O as
	Chairs: C. J. Tavares, Sami Rtmi, Ioana	Chairs:	Alexandra Mocanu, Oana Nedelcu, Silv	u Gurlui	doping agent"
	Csatlos,				
14.15-15.45	6 orals Vidya Shetty K	Bio-chemo sequential synthesis of silver	14.15-15.45	6 orals Zhishun Wei	Photocatalytic activity of noble
	,	oxide nanoparticles embedded in TiO2			metal modified octahedra
	Eirini D. Koutsouroubi	2D/2D Ni-doped MoS2/g-C3N4 Layered		Kunlei Wang	Size-controlled platinum
		Hetero-Nanostructures as Highly Efficient Photocatalysts for Environmental			deposited on titania for
	L. Favier	TiO2/UV-A mediated advanced oxidation		Cosmin Romanitan	Structural investigations of
	L. Marchão	of an emergent water contaminant: Photocatalysis with immobilized TiO2 -		Maria Covei	Photocatalytic ZnO Photocatalytic Composite Thir
		coated glass rings and UV-A LEDs as a final treatment step of winery			Films with Controlled Optica
		wastewater treatment			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 "natura
		l .			biological waste"
	Cristina Bogatu	ZnO-(r)GO composite thin films for			Photocatalytic H2 generation
	Cristina Bogatu	ZnO-(r)GO composite thin films for photocatalytic applications		Maali A. Mersel	from H2S on CdS-ZnS
	Cristina Bogatu			Maali A. Mersel	
15.45-16.00	coffeee break	photocatalytic applications	15.45-16.00	coffeee break	from H2S on CdS-ZnS
15.45-16.00		photocatalytic applications	15.45-16.00 M Suchea, Alexandra Mocanu , Claudia	coffeee break	from H2S on CdS-ZnS
15.45-16.00 16.00-16.25	coffeee break	photocatalytic applications  Chairs: "Co-creation of future cities - EFdeN		coffeee break Bizzarri Assoc. Prof. Dr. Constantinos	from H2S on CdS-ZnS semiconductors
	coffeee break Chairs: P Pascariu, Gian Luca Guerrini	photocatalytic applications  Chairs:	M Suchea, Alexandra Mocanu, Claudia	coffeee break Bizzarri	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The Emergence of a New Class of
	coffeee break Chairs: P Pascariu, Gian Luca Guerrini	photocatalytic applications  Chairs: "Co-creation of future cities - EFdeN	M Suchea, Alexandra Mocanu, Claudia	coffeee break Bizzarri Assoc. Prof. Dr. Constantinos	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The
16.00-16.25	coffeee break Chairs: P Pascariu, Gian Luca Guerrini EFdeN - Ioana Csatlos	photocatalytic applications  Chairs:  "Co-creation of future cities - EFdeN Sustainable City "	M Suchea, Alexandra Mocanu, Claudia 16.00-16.25	coffeee break Bizzarri Assoc. Prof. Dr. Constantinos Stoumpos	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"
	coffeee break Chairs: P Pascariu, Gian Luca Guerrini	photocatalytic applications  Chairs:  "Co-creation of future cities - EFdeN Sustainable City "  "ASCENT+ Access to European	M Suchea, Alexandra Mocanu, Claudia	coffeee break Bizzarri Assoc. Prof. Dr. Constantinos	"Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"  "Modeling of photo
16.00-16.25 16.25-16.50	coffeee break Chairs: P Pascariu, Gian Luca Guerrini  EFdeN - Ioana Csatlos  ASCENT+ Mr. Nicolas Cordero	photocatalytic applications  Chairs:  "Co-creation of future cities - EFdeN Sustainable City "  "ASCENT+ Access to European Infrastructure for Nanoelectronics"	M Suchea, Alexandra Mocanu, Claudia 16.00-16.25	coffeee break Bizzarri Assoc. Prof. Dr. Constantinos Stoumpos	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"
16.00-16.25	coffeee break Chairs: P Pascariu, Gian Luca Guerrini EFdeN - Ioana Csatlos	photocatalytic applications  Chairs:  "Co-creation of future cities - EFdeN Sustainable City "  "ASCENT+ Access to European Infrastructure for Nanoelectronics"  ANTIMICROBIAL/ANTIVIRAL	M Suchea, Alexandra Mocanu, Claudia 16.00-16.25	coffeee break Bizzarri Assoc. Prof. Dr. Constantinos Stoumpos	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"  "Modeling of photoelectrochemistry"  "Theoretical investigation of
16.00-16.25 16.25-16.50	coffeee break Chairs: P Pascariu, Gian Luca Guerrini  EFdeN - Ioana Csatlos  ASCENT+ Mr. Nicolas Cordero	photocatalytic applications  Chairs:  "Co-creation of future cities - EFdeN Sustainable City "  "ASCENT+ Access to European Infrastructure for Nanoelectronics"	M Suchea, Alexandra Mocanu, <b>Claudia</b> 16.00-16.25 16.25-16.50	coffeee break Bizzarri  Assoc. Prof. Dr. Constantinos Stoumpos  Prof. Dr. Núria López	from H2S on CdS-ZnS semiconductors  "Halide Perovskites: The Emergence of a New Class of High-Performance Semiconductors"  "Modeling of photo-electrochemistry"

			17.15-17.40	Dr. George Volonakis	"Computational materials design of halide double perovskites: Possible novel visible-light photo-catalysts"
17.15-18.00	3 orals Andreea Chibac-Scutaru	Versatility of cellulosic matrix used for immobilization of synthesized CeO <sub>2</sub> nanoparticles in tailoring the		3 orals Kumara Swamy Mukkati Praveena, Ujwal /Confirmed Master Student	Gadolinium ortho-ferrite interfaced polyaniline: Bi- functional catalyst for
	Mirela Suchea	Photocatalytic materials for air and water purification - an overview		Marta A. Forte Student paper	Foam-like PMMA Microcapsules modified by ALD metal-oxide as photocatalytic materials
				Shankramma Kalikeri	Visible Light active Bismuth ferrite embedded TiO2 nanocomposite structures for mixed dye mineralization by photocatalysis: A strategy to harness solar energy for wastewater remediation
18.00-18-15	tea break Chairs: F. Iacomi, C Romanitan, C Pachiu	Chair	18.25-18.40 s: Georgios Kopidakis,A Diacon, N Vrinc	tea break eanu	
18.15-19.40	Poster session 15 posters	section A	18.40-19.30	Poster session 11 posters	section C
			19.30-20.45	Posters discussions/networking/ award committees deliberations	
19.40-20.10	Posters discussions/networking Chairs: Flacomi, loannis Remediakis	C	hairs: M Suchea E Koudoumas P Pascar	iu	
20.10-20.55	3 orals		20.45-21.30	Award ceremony - closing	
	S.R. Yashas	Unveiling photocatalytic potentiality of rare-earth metal oxide tethered conductive polymer nanocomposite		remarks farwell e-party	
	Lei Xu	Size controlled Ag decorated TiO2 plasmonic photocatalysts for tetracycline degradation under visible-light			
	A. V. Ravindra	Superior Photocatalytic Performance of Ancillary-Oxidant-Free Novel Starch Supported Nano MFe2O4 (M = Zn, Ni, and Fe) Ferrites for Degradation of Organic Dye Pollutants			
20.55-21.30	e-Cocktail				
Posters List					
section A 1	Alaelddin Michailidis Barakat	Band gap prediction and data analysis of inorganic perovskites using machine learning			
2	Giannis Gkikas	Crystal Growth and Optical Properties of CH3NH3PbX3 (X = Cl, Br, I) of Halide Perovskite Single-Crystals			
3	Daniela Pricop	Chemical processes induced by light on the AuNP-citrate surface			
4	E. Darivianaki	Fabrication of CH3NH3PbI3 perovskite solar cells using the two-step deposition method			
5	Ayesha Siddique	Current Challenges and Recent Development in Green Synthesis Based Nanomaterials for Energy Applications			
6	Despoina Manidaki	Synthesis and Characterization of Pb-free 2D Halide Perovskite Semiconductors			
7	Nagbasavanna Sharanappa	Effect of Al2O3 nano composite on pure polyaniline (PANI-Al2O3) for tuning dielectric properties			
8	Ramdas Balan	Magnetically separable p-n heterojunction photocatalyst SnO2- CuFe2O4 for visible light driven degradation of azo dye methylene blue			
9	Vandana Yadav	Enhanced Photocatalytic Degradation of Dichlorvos using TiO2 doped catalysts			
10	Narcisa Vrinceanu	Preparation and antibacterial performance of xanthan gum-based composite hydrogel containing green synthesized silver nanoparticles and essential oils			
11	Aurel Diacon	Core-shell particles with thermo- responsive wetting characteristics obtained by photo-mediated suspension polymerization			
12	Grecu Ionela	Evans blue photodegradation by novel samarium doped zinc aluminium spinel ferrites			

14	Tetiana S. Hubetska	Development of carbon adsorbents from industrial pyrolyzed biowaste by- products under varying conditions of ZnCl2 and H2O2/HNO3 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 NH3-SCR and SO2 resistance		
section B				
1	Narcisa Vrinceanu	Solar light driven oxidation of an organic dye with ZnO fabricated through a co- precipitation 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		
8	Carmen Gherasim Insaf.Ould Brahim	Structural properties of copper oxide nanoparticles and their applications as photocatalysts in organic pollutants degradation 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 lodide for Optoelectronic Applications		
7	Muhammad Saeed	Co3O4-Bi2O3 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 TIO2		
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		