

STUDENT PAPER COMMUNICATION LIST

STUDENT PAPER COMMUNICATION I: Semiconductor photocatalysis (26th June 17:30 - 18:30)

I-1	Blommaerts	39	IMPROVED UV LIGHT EFFICIENCY USING A PHOTOCATALYTIC SPIRALED REACTOR DESIGN WITH A PLASMONIC TiO ₂ COATING
I-2	Balayeva	183	WO ₃ -TiO ₂ BASED PHOTOCATALYSIS: TOWARD INDOOR AIR PURIFICATION UNDER VISIBLE-LIGHT ILLUMINATION.
I-3	M.C.M. Ribeiro	192	Fe/Nb-BASED SOLAR PHOTOCATALYSTS: IMPACT OF DIFFERENT SYNTHESIS ROUTES ON MATERIAL PROPERTIES
I-4	Martín-Sómer	199	INFLUENCE OF LIGHT DISTRIBUTION ON THE PERFORMANCE OF PHOTOCATALYTIC REACTORS: LED VS MERCURY LAMPS
I-5	Calin	231	PHOTOOXIDATION OF DIFFERENT ENDOCRINE DISRUPTING CHEMICALS IN WASTEWATER USING ZINC OXYDE AS PHOTOCATALYST
I-6	G. Vargas	239	A COMPARATIVE STUDY OF TiO ₂ NANOTUBES SYNTHETIZED USING DIFFERENT METHODS
I-7	Monfort	286	PHOTOSPLITTING OF WATER AND PHOTODEGRADATION OF ORGANICS USING BISMUTH VANADATE/TITANIA PHOTOCATALYSTS
I-8	Avella	322	EVALUATION OF COPPER SLAG AS PHOTOCATALYST FOR GLYCEROL DEGRADATION WITH A SIMULTANEOUS HYDROGEN PRODUCTION
I-9	Coronel	325	INCORPORATION OF TITANIUM DIOXIDE AND COPPER ONTO SUPPORT MADE OF COMERCIAL ACTIVATED CARBON FOR PHENOL PHOTO-CATALYTIC DEGRADATION
I-10	Tóth	349	SYNTHESIS AND PHOTOCATALYTIC ACTIVITY OF SILVER-HALIDE NANOPARTICLES

STUDENT PAPER COMMUNICATION II: UV based processes, Semiconductor photocatalysis, Fenton and Fenton-like processes
(27th June 17:30 - 18:30)

II-1	Ráez Tajuelo	379	SYNTHESIS AND APPLICATION OF TiO ₂ /NZVI NANOCOMPOSITES FOR THE PHOTOCATALYTIC REMOVAL OF ARSENIC FROM AQUEOUS SYSTEMS
II-2	Fodor	408	SYNTHESIS AND CHARACTERIZATION OF DIFFERENT SHAPED Cu _x O AND Cu _x S NANOCRYSTALS
II-3	Tasbihi	376	PHOTOCATALYTIC REDUCTION OF CO ₂ OVER Cu/TiO ₂ PHOTOCATALYSTS
II-4	Espindola	401	AN INNOVATIVE PHOTOREACTOR, FluHelik, TO PROMOTE UVC/H ₂ O ₂ PHOTOCHEMICAL REACTIONS: OXYTETRACYCLINE DEGRADATION STUDIES
II-5	Martínez Haya	211	TYPE I VS TYPE II PHOTODEGRADATION OF POLLUTANTS
II-6	Michael	30	CAN SOLAR PHOTO-FENTON COMBINED WITH ACTIVATED CARBON ADSORPTION REMOVE ANTIBIOTICS, ANTIBIOTIC-RESISTANT BACTERIA AND TOXICITY FROM URBAN WASTEWATER
II-7	Ayoub	50	IRON IMPREGNATED ZEOLITE CATALYST FOR EFFICIENT REMOVAL OF MICROPOLLUTANTS AT VERY LOW CONCENTRATION FROM MEURTHE RIVER
II-8	Ribeiro	99	OPTIMIZATION OF MAGNETIC GRAPHITIC NANOCOMPOSITES FOR THE CATALYTIC WET PEROXIDE OXIDATION OF LIQUID EFFLUENTS FROM A MECHANICAL BIOLOGICAL TREATMENT PLANT FOR MUNICIPAL SOLID WASTE
II-9	F. Mena	132	BIODEGRADABILITY ENHANCEMENT OF IONIC LIQUIDS BY CWPO IN AQUEOUS PHASE
II-10	Gómez Herrero	185	REMOVAL OF IMIDAZOLIUM ILS BY FENTON OXIDATION
II-11	Soriano-Molina	279	KINETICS OF MICROPOLLUTANT REMOVAL BY SOLAR PHOTO-FENTON WITH FE(III)-EDDS AT NEUTRAL pH

STUDENT PAPER COMMUNICATION III: Ozonization, Electrochemical processes, Wet air oxidation, Pilot scale AOPs, Disinfection, AOPs for air treatment (28th June 14:20 - 15:30)

III-1	Cruz	252	ASSESSING THE APPLICATION OF OZONE-BASED PROCESSES TO PRIORITY PESTICIDES REMOVAL FROM WATER AND WASTEWATER
III-2	Gomes	417	PARABENS DEGRADATION USING OZONE AND VOLCANIC ROCKS
III-3	Van Hal	26	HARVESTING ENERGY FROM AIR POLLUTION WITH AN UNBIASED GAS PHASE PHOTO-ELECTROCHEMICAL CELL
III-4	García-Espinoza	55	ELECTROCHEMICAL OXIDATION OF SULFAMETHOXAZOLE, PROPRANOLOL AND CARBAMAZEPINE IN AN OXYGEN OVER SATURATED SOLUTION
III-5	Zuxin	97	HIGH PERFORMANCE AND DURABLE GRAPHENE-COATED CATHODE FOR ELECTRO-FENTON
III-6	Santos	49	CATALYTIC WET OXIDATION OF ORGANIC COMPOUNDS OVER DIFFERENT CARBON NANOTUBES IN BATCH AND CONTINUOUS OPERATION
III-7	Murillo-Sierra	111	SULFAMETHOXAZOLE MINERALIZATION BY SOLAR PHOTO-ELECTRO-FENTON PROCESS IN A PILOT PLANT
III-8	Malvestiti	205	JEWELRY CONTAMINANTION INFLUENCE ON MUNICIPAL WASTEWATER DISINFECTION BY UV/H ₂ O ₂
III-9	Escuadra	293	DISINFECTION OF REAL URBAN TREATED EFFLUENTS BY PHOTOCATALYSIS WITH TITANIUM DIOXIDE
III-10	García-Garay	373	PILOT SCALE COMPARISON OF BALLAST WATER TREATMENTS BY SOLAR RADIATION-SRAD, UV, H ₂ O ₂ , UV/H ₂ O ₂ , UV/TiO ₂ , UV/TiO ₂ /H ₂ O ₂ , UV/TiO ₂ /H ₂ O ₂ /SRAD
III-11	Filho	221	EFFECT OF ILLUMINATION MECHANISM AND LIGHT SOURCE IN HETEROGENEOUS TiO ₂ PHOTOCATALYSIS USING A MICRO-MESO-PHOTOREACTOR FOR n-DECANE OXIDATION AT GAS PHASE
III-12	Weon	307	METHOD TO PREVENT DEACTIVATION DURING PHOTOCATALYTIC VOC DEGRADATION: SURFACE MODIFICATION OF TiO ₂ WITH PLATINUM AND FLUORIDE

STUDENT PAPER COMMUNICATION IV: AOPs for water treatment, Coupling of AOPs with other processes
(24th June 9:30 - 10:30)

IV-1	Foszpańczyk	11	DEGRADATION OF MICRO-POLLUTANTS BY PHOTSENSITIVE CHITOSAN BEADS
IV-2	Abdel-Maksoud	40	SAND SUPPORTED TiO ₂ IN A TRAY PHOTOREACTOR FOR EMERGING CONTAMINANTS REMOVAL
IV-3	Ponce Robles	220	ADVANCED ANALYTICAL TECHNIQUES APPLIED TO CORK BOILING WASTEWATER TREATMENT AND REUSE BY USING ADVANCED OXIDATION PROCESSES
IV-4	Kattel	243	PERSULFATE-BASED PHOTODEGRADATION OF BETA-LACTAM ANTIBIOTIC AMOXICILLIN IN AQUEOUS MATRICES
IV-5	Koo	291	PHOTOELECTROCHEMICAL GENERATION OF ACTIVE CHLORINE SPECIES FOR WATER TREATMENT UNDER VISIBLE LIGHT IRRADIATION BY WO ₃ THIN FILM
IV-6	Pęziak-Kowalska	187	THE ELECTROCHEMICAL OXIDATION PROCESSES COMBINED WITH BIODEGRADATION APPLIED FOR REMOVAL OF HERBICIDAL IONIC LIQUIDS – NEW POTENTIAL HAZARDS
IV-7	Cruz del Álamo	392	EXPLORING ADVANCED STRATEGIES FOR THE IN-SITU TREATMENT OF REAL HOSPITAL WASTEWATERS
IV-8	Liu	48	DEGRADATION OF ACID ORANGE 7 BY AN ULTRASOUND/ZnO-GAC/PERSULFATE PROCESS
IV-9	Tao	215	HETEROGENEOUS ACTIVATION OF PEROXYMONOSULFATE BY ZINC-MEDIATED PHOTOCATALYSTS FOR THE DEGRADATION OF ORGANICS