

Final program

	Wednesday 25 of September	Thursday 26 of September	Friday 27 of September	Saturday 28 of September
9:00	Plenary 1	Plenary 2	Plenary 3	
9:30				
10:00	OP1	OP10	OP15	
10:30	OP2	OP11	OP16	
11:00	Coffee Break	Coffee Break	Coffee Break	Zipaquirá Catedral de Sal trip
11:30	OP3	OP12	OP17	
12:00	OP4	OP13	OP18	
12:30				
13:00	Lunch	Lunch	Lunch	
13:30				
14:00	OP5	Poster session	OP19	
14:30	OP6	Poster session	OP20	
15:00	OP7	Poster session	OP21	
15:30	Coffee Break	Poster session	OP22	
16:00	OP8	Poster session	7th LACP3 Proposal	
16:30	OP9	Poster session	7th LACP3 Proposal	
17:00	Inaguration	Downtown walking tour	Closing ceremony	

The congress will have place in the Jorge Tadeo Lozano University (Carrera 4 # 22-61) at the “Hemiciclo” located in the Library building. Inscription for the meeting starts at 8 a.m.

Plenary 1: Combined Advanced Oxidation Technologies and Biological Processes for Industrial Wastewater Treatment: Overview, Trends and Advances. Dr. Mehrab Mehrvar

Plenary 2: TiO₂-based nanomaterials for current and emerging agricultural purposes. Dr. Vicente Rodríguez

Plenary 3: Elimination of contaminants of emerging concern by Photocatalytic and Sonophotocatalytic processes. Dr. Ricardo Torres.

Oral presentation

An oral presentation of 25 minutes, followed by 5 minutes of questions will be given.

OP03	Photocatalytic degradation of commercial dyes over ZnO/Ag ₂ CO ₃ .	Jhon S. Hernández, Adriana E. Lara, Julie J. Murcia, Hugo A. Rojas, María del C. Hidalgo and José A. Navío, P Sanchez-Cid.
OP04	Modified C ₃ N ₄ by the polymerization method in presence of hydrazine, with photocatalytic activity.	Karen Valencia García, Agileo Henández-Gordillo, Sandra Rodill.
OP05	Role of hydrogen in the photostability and use of sunlight to generate electrical current through the polimorphous silicon intrinsic films.	Javitt Linares, Ateet Dutt, Guillermo Santana.
OP06	Efficient Degradation of Temephos Pesticide Using ZnO Nanoflowers-Shaped Films Through Solar Photocatalysis.	Amauri Serrano Lázaro, Vinoth Kumar Jayaraman, Francisco Verdín Betancourt, Ma. de Lourdes López-González, Adolfo Sierra Santoyo, A. Hernández Gordillo, Monserrat Bizarro Sordo.
OP07	Synthesis of calcite modified with SnO ₂ for the mineralization of phenolic compounds by photocatalysis.	Ismael A. Farrera, Francisco J. Tzompantzi, Manuel Sánchez, Arturo Barrera, Sandra Cipaguata and Ricardo Gomez.
OP08	New silicon 1D-nanostructures for possible use in biological and solar applications.	J. Salazar Hernández, G. Santana, E. Ramos, A. Dutt.
OP09	Evaluation of the photocatalytic activity of manganese and lanthanum perovskites.	Laura J. Cáceres, Cindy C. Muñoz, Luis C. Moreno and Oscar A. Gerena
OP10	Evaluation of Solar Photo-Reactor at Pilot Scale with Cu Doped TiO ₂ Films Supported in Glass and HDPE.	Beatriz Pava, Carlos Diaz, Hailer Romero, Ximena M. Vargas.
OP11	Efficient Degradation of Temephos Pesticide Using ZnO Nanoflowers-Shaped Films Through Solar Photocatalysis.	Amauri Serrano Lázaro, Vinoth Kumar Jayaraman, Francisco Verdín Betancourt, Ma. de Lourdes López González, Adolfo Sierra Santoyo, A. Hernández Gordillo, Monserrat Bizarro Sordo.
OP12	Degradation of Emerging Concern Pollutants (ECP) By Heterogeneous Photocatalysis with TiO ₂ .	Carlos F Granda Ramirez, Melissa M Barrera Ortiz, Sara P Castrillón Valencia, Lady R Rueda Giraldo, Víctor H Pulgarín Jaramillo, Stiven Giraldo Hernández, Gina M Hincapié Mejía.
OP13	Photocatalytic activity of α-Bi ₂ O ₃ microstructures prepared from Bismuth Basic Nitrate (BBN).	Agileo Henández Gordillo, Karen Valencia García, Sandra Rodil.
OP14	Photocatalytic removal of imidaclorpid using a silver platinum modified TiO ₂ catalysist.	Andrés Felipe Lopez, Andrés F Suárez, Victoria Guerra.
OP15	Selective photo-epoxidation of (R)- and (S)-limonene with chiral and non-chiral dioxo-Mo complexes anchored on TiO ₂ -NT.	Henry Martínez, Edgar A. Páez Mozo, Fernando Martínez O.

OP16	A Preliminary Study of the Hexacyanoferrate (III) Ion Degradation Route by the UVC Activation of Persulfate.	Héctor Ibargüen López, Brian López Balanta, Samir F. Castilla Acevedo, Luis Andrés Betancourt Buitrago, Fiderman Machuca Martinez.
OP17	Evaluation of TiO ₂ photocatalysis modified with Ag and magnetized with Fe _x O _y for the degradation of antibiotics and the inactivation of resistant bacteria.	Dennis A. Guzman-Giraldo, Jazmin Porras Lopez and Ricardo A. Torres-Palma.
OP18	Antibiotic Activity Elimination and Degradation Ways of Levofloxacin using Ag-Doping of ZnO under Solar Radiation.	S.D. Jojoa-Sierra, C. Jaramillo-Páez, M.C. Hidalgo, R.A. Torres Palma, M.P. Ormad, J.A. Navío, R. Mosteo.
OP19	Photoelectrochemical Behavior of S TiO ₂ /Ti Thin-Film Electrodes in Contact with Aqueous Electrolytes Containing Anionic Surfactant and High Concentration of Chloride: A Distinguishing between Direct and Indirect Interfacial reaction from Photocurrent Measurements	Sebastian Velasco, María I. Jaramillo Gutiérrez, Julio A. Pedraza Avella
OP20	Ciprofloxacin degradation in a simulated wastewater treatment plant effluent via activation of persulfate by artificial sunlight and Fe 2+ ions issued from a low-grade titanium ore.	José Alberto Macías Vargas, Rosa María Ramírez Zamora.
OP21	Silver-Modified TiO ₂ Photocatalysts Supported on Activated Carbon Derived from Tire Rubber for Photocatalytic Degradation of Ibuprofen in the UV / VIS Spectrum.	Andrés F. Suárez, Juan S. Chalapud, Kevin S. Gonzalez, Laura R. Conde.
OP22	Evaluation of silver nanoparticles obtained by “green” synthesis in the photocatalytic degradation of dyes from textile industries.	Edgar V. Sierra P., Ana P Rozo B, Maria E Gonzalez J, Yessica J. Hormaza R., David D Rubio T, Andres F. Arcila.

Poster session 1 – Short Oral Presentation

The presentation of the poster will be after the short oral presentation. 5 minutes presentation with slides will be given without questions section. Certificate will be given as Short Oral and Poster Presentation.

Room 1

PP01	02:00:00 p. m.	Heterogeneous photocatalytic degradation of Ibuprofen over TiO ₂ supported on activated carbon derived from waste tire rubber.	Laura R, Conde, Andrés F, Suarez, Maria J. Junco, Jhonatan J, Marin, Andrea Alvarez and Felipe Mendoza.
PP02	02:05:00 p. m.	Evaluation of Pt/TiO ₂ –Nb ₂ O ₅ Systems in Diclofenac Phodegradation.	Adriana E. Lara, Olga Sacco, Julie J. Murcia, Hugo A. Rojas, José A. Navío, María C. Hidalgo and Vincenzo Vaiano.
PP03	02:10:00 p. m.	Synthesis and characterization of composites of mixed phase of CeO ₂ /Ce ₂ O ₃ for phenol photodegradation in wastewater.	S. Méndez-Salazar , F. Tzompantzi, C. Tzompantzi Flores, J. C. Castillo-Rodríguez, R. Gómez, C.E. Santolalla-Vargas.
PP04	02:15:00 p. m.	Photomicroelectrolytic Characterization of S-ZnO Photoanodes.	Paula A. Suárez-Gómez , Verónica A-Quintanilla Viviescas, María I. Carreño Lizcano, Martha E. Niño Gómez.
PP05	02:20:00 p. m.	Photomicroelectrolytic Characterization of Bi ₂ O ₃ Films as Photoanodes on Sulfured Media.	Romario A. Julio-Beltrán, Lorena Carreño Correa , Maria I. Carreño Lizcano and Martha E. Niño Gómez.
PP06	02:25:00 p. m.	Evaluation of Degussa P25 Supported in Borosilicate Sheets for the Degradation of in Synthetic Mining Wastewater.	Sergio Andrés Joven Quintero, Samir Fernando Castilla Acevedo, Luis Andrés Betancourt Buitrago, Fiderman Machuca Martinez.
PP07	02:30:00 p. m.	Inactivation of Escherichia coli by Photocatalysis Using Microbeads of Chitosan and TiO ₂ .	Cinthia G. Aba Guevara, René Sanjuan Galindo, Miguel Ángel Gracia Pinilla, Daniela Xulú Martínez Vargas and Norma A. Ramos Delgado.
PP08	02:35:00 p. m.	Degradation of 2,4-D by heterogeneous photocatalysis under visible light, using chitosan beads with TiO ₂ -C and TiO ₂ -N.	Katty Shcarlen Hernández Gaytán, Cinthia G. Aba Guevara, René Sanjuan Galindo, Miguel Ángel Gracia Pinilla, José Luis Hernández García, Norma A. Ramos Delgado.
PP09	02:40:00 p. m.	Selective Photooxidation of benzyl alcohol with a copper complex anchored on TiO ₂ and O ₂ .	Damian A. Pedraza D., Jerffersson Rodriguez D., Fernando Martínez O.
PP10	02:45:00 p. m.	Synthesis of very active CuO/TiO ₂ /ZrO ₂ /Graphene oxides for the degradation of 4-chlorophenol.	Diana Guerrero Araque, Selene Islas, Ricardo Gómez, José Saniger.
PP11	02:50:00 p. m.	Characterization and Analytical Study of the Levothyroxine Medicinal Product through Raman Vibrational Spectroscopy.	D. E. Aragón Medina, M. F. García Avellaneda H. M. Ortiz.

PP12	02:55:00 p. m.	Photocatalytic Inactivation of Pathogens Bacteria using ZnO/MnS Photocatalyst under Visible Radiation.	Perla Rodríguez Rubio, Lourdes Maya Treviño, Raisa Núñez Salas, Melissa Rodríguez Delgado, Laura Hinojosa Reyes, Minerva Villanueva Rodríguez, Aracely Hernández Ramírez.
PP13	03:00:00 p. m.	Effect of metal oxides (Cu, CoO, NiO) on Bi ₂ O ₃ -TiO ₂ semiconductors and its impact on the photocatalytic reduction of 4-nitrophenol.	Diana Guerrero Araque, David Ramírez Ortega, José Saniger, Ricardo Gómez.
PP29	03:05:00 p. m.	Photocatalytic degradation of methyl orange and methylene blue using mixed oxides Mg/Al-Ti and Zn/Al-Ti.	N.L. Chávez López, E. Ortiz Islas, M.E. Manríquez, M.L. Hernández Pichardo, E Albiter, B Alvarado Zavala and Laura V. Castro.
PP30	03:10:00 p. m.	Selective Photooxidation of benzyl alcohol with a copper complex anchored on TiO ₂ and O ₂	Damian A. Pedraza D., Jerffersson Rodriguez D., Fernando Martínez O.
PP31	03:15:00 p. m.	Photocatalytic/biologic coupled process for PCB's removal. Optimization of the process using RSM.	Carmen Romero, Carlos Camargo
PP32	03:20:00 p. m.	Oxidation of Glycerol Mediated by Surface Plasmon of Gold Nanoparticles Deposited on Titanium Dioxide Nanotubes	Jane A Neira 1 , Diana Blach , Fernando Martínez O.
Room 2			
PP14	02:00:00 p. m.	Inactivation of antibiotic sensitive and resistant bacteria in water using an industrial metal waste as activator of hydrogen peroxide, peroxydisulfate and peroxymonosulfate, assisted by sunlight.	Katherine Ramirez Pulgarin, Stefanos Giannakis, Jazmin Porras Lopez, Ivan Fernando Macias Quiroga, Gloria Inés Giraldo-Gómez, Ricardo A. Torres Palma.
PP15	02:05:00 p. m.	Synthesis and Photoelectrochemical Characterization of S-TiO ₂ Films On Titanium Meshes Prepared for the Method of Precipitation-Peptization from aqueous sol-gel process.	Jully G. Ibarra González, Wilson R. Meza Salazar, María I. Jaramillo Gutiérrez, José L. Roperó Vega, Julio A. Pedraza Avella.
PP16	02:10:00 p. m.	Experimental Study and Mathematical Modeling of the Photoelectrocatalytic Degradation of Surfactant in oilfield Wastewater in Presence of Chloride Ion in a Tubular Reactor.	María I. Jaramillo-Gutiérrez, Eligio. P. Rivero, Martín. R. Cruz-Díaz, Julio A. Pedraza Avella.

PP17	02:15:00 p. m.	Integral characterization of copper slag and correlation with its photocatalyst properties for wastewater treatment.	Claudia Victoria Montoya-Bautista, Prospero Acevedo Peña, Rodolfo Zanella, Rafael Schouwenaars and Rosa María Ramírez Zamora.
PP18	02:20:00 p. m.	Electrocoagulation-photocatalytic process for the treatment of "Red Disperse 60" textile wastewater using a copper catalyst.	Edgar Fajardo Puerto, Franz Lopez Suarez, María José Illán Gome, Andrés Suárez Escobar.
PP19	02:25:00 p. m.	Assessment of the use of NaClO as an alternative to H ₂ O ₂ in the oxidant-titanium ore-simulated solar light system for thiabendazole degradation.	Melisa Portilla Sangabriel, Sandra Arzate, Rosa María Ramírez Zamora.
PP20	02:30:00 p. m.	Evaluation Mn modified TiO ₂ for the degradation of methylene blue under solar radiation in a tubular reactor.	Sabrina Cardona Rojas, Eduard Murillo Aguirre, Paula Olivos Naranjo, Michael Lozano Moreno, Laura Conde Rivera, Andrés Suárez Escobar.
PP21	02:35:00 p. m.	Synthesis and Characterization of ZrO ₂ , TiO ₂ and Al ₂ O ₃ for degradation of 2,4-Dichlorophenoxyacetic acid and 2,4-Dichlorophenol.	Isaias Limon Rocha, Carlos Guzman Rodriguez, Alejandro Perez Larios.
PP22	02:40:00 p. m.	Photocatalytic activity of ceramic wastes for the degradation of recalcitrant pollutants.	Mónica E. Velasquez Torres, Ariadna A. Morales Pérez, Judith Cardoso Martínez
PP23	02:45:00 p. m.	Cu/Ti materials for hydrogen production through wastewater contaminated with hydrazine such as sacrifice agent.	Mariana Hinojosa Reyes, Roberto Camposeco Solís, Rodolfo Zanella, Vicente Rodríguez González.
PP24	02:50:00 p. m.	Synthesis and Characterization of N, S Doped TiO ₂ Thin Films for the Photoelectrochemical Degradation of Phenol in Synthetic Sea Water.	Yineth. P. Velásquez, Miguel. A. Museses, María. I. Jaramillo, Julio. A. Pedraza.
PP25	02:55:00 p. m.	Sustainability of photobioreactors coupled to the WWTP evaluated with energy in dynamic models.	Edson R. Amaya
PP26	03:00:00 p. m.	Evaluation of a TiO ₂ -Na-Ti photocatalyst supported in activated carbon for the esterification of palmitic acid.	Robison Buitrago Sierra, Franz López Suárez, Maria Ferdanda López, Lizeth Ospina Quiroga, Andrea Álvarez Cabrera.
PP27	03:05:00 p. m.	Evaluation of the Ecotoxicity Of Wastewaters Generated in the Photocatalytic and Electrocoagulation Process.	Alejandra Quintana Lancheros, Laura Conde Rivera, Andrés Suárez Escobar.

PP28 03:10:00 p. m. Photocatalytic oxidation of styrene oxide using vanadium oxide supported catalysts to produce 2-phenylethanol. Ma Elena Manriquez, Martín Trejo Valdez, Andrea Sánchez Pliego, Emma Ortiz Islas.
