

INTERNATIONAL CONGRESSES

1. H. Gómez-Couso, A. Reboredo-Fernández, M.J. Abeledo-Lameiro, M.I. Polo-López, P. Fernández-Ibañez, E. Ares-Mazás. **Photocatalytic inactivation of the waterborne protozoan parasite *Cryptosporidium parvum*: heterogeneous photocatalysis with TiO₂ versus homogeneous photocatalysis with photo-Fenton.** International Conference on Photo-irradiation and Adsorption based Novel Innovations for Water treatment, PANI-WATER. Goa (India), 3th-4th March 2020. (Oral presentation)
2. I. Sánchez-Montes, I. Salmerón, G. Rivas-Ibañez, J.M. Aquino, M.I. Polo-López, I. Oller, S. Malato. **UV-C based advanced oxidation processes for the simultaneous elimination of microcontaminants and pathogens for wastewater reusing purposes.** International Conference on Photo-irradiation and Adsorption based Novel Innovations for Water treatment, PANI-WATER. Goa (India), 3th-4th March 2020. (Oral presentation).
3. M.I. Polo-López. **Reuse of reclaimed wastewater: assessment of chemical and biological cross-contamination and phytotoxicity on crop.** ALICE (H2020) conference, Belfast (UK), 4 diciembre, 2020. (On-line) (Ponencia)
4. Isabel Oller. **Solar Energy-Water Nexus for industrial wastewater recovery.** International conference on Nexus: Energy Water & (Bio)Industry – Technological solutions towards industrial resource efficiency organized by AEE-INTEC. Viena (Austria), 30th January 2020. (Keynote) 1k025
5. Isabel Oller. **A common vision for a Water-Smart Society WG: Contaminants of Emerging Concern.** Virtual event on Polluters of growing concerns: pharmaceutical in ground and drinking water. 2nd October 2020, SMECONNECT. (Keynote)
6. I. Oller, I. Polo-López, S.N. Granados, S. Malato. **Water-Energy-Food nexus in industrial and urban wastewater recovery.** PHOTOPUR Online-Symposium. 9th and 10th December, 2020. (Invited talk).
7. I. Oller. **Solar Technologies applied to wastewater purification.** Two-days of intensive course on solar desalination and water purification, Algeria (Argel), 26 March 2019.
8. I. Oller. **Monitorización del tratamiento y reutilización de aguas residuales industriales mediante técnicas analíticas y microbiológicas avanzadas.** Curso-Taller de actualización en Procesos Avanzados de Oxidación: Nuevos desarrollos ambientales de los Procesos Avanzados de Oxidación, Universidad de Caldas (Manizales, Colombia), 29 Abril 2019.
9. I. Oller. **Solar based technologies for disinfection and decontamination of water for reusing purposes.** INTERSOLAR 2019. Solar Energy & Water: The Nesus of Two Essential Ingredients for Life, Munich (Germany), 15 May 2019.
10. I. Oller. **Session 6: Towards Real Implementation: Real examples: tertiary treatment.** 3rd European Summer School of Environmental Applications on Advanced Oxidation Processes, Alcoy (Spain), 6 June 2019.
11. I. Oller. **Tecnologías solares aplicadas al tratamiento, desinfección y reutilización de aguas: Técnicas analíticas y microbiológicas aplicadas a la evaluación de PAOx.** Curso Internacional de Transferencia de Conocimiento Tecnológico sobre la Energía Solar y Tratamiento Solar de Aguas de la Macro Región Centro Sur Andina (Chile, Perú y Bolivia)”. Universidad de Tarapacá, Arica (Chile), 17 Julio 2019.
12. I. Salmerón, P.K. Sharma, M.I. Polo-López, P. Fernández-Ibañez, J.A. Byrne, I. Oller, M.I. Maldonado. **Development of a photoelectrocatalytic reactor combining TiO₂ photoanodes and cathodic electrogeneration of H₂O₂ for water decontamination and disinfection.** 3rd International Congress of Chemical Engineering (ANQUE-ICCE 3) Santander (España) 19-21 junio 2019. Oral communication. Book of abstracts (ISBN 978-84-09-12430-5 page 316).
13. I. Salmerón. G. Rivas, I. Oller, S. Malato. **Electrochemical wastewater treatments enhanced by combination with solar energy.** 1st Doctoral Colloquium SFERA III project. Odeillo (Francia) 11-13 Septiembre 2019. Oral communication.
14. I. Salmerón. G. Rivas, I. Oller, S. Malato. **Combination of nanofiltration membranes and electrooxidative processes as tertiary treatment for the removal of microcontaminants.** 4th IWA Spain National Young Water Professionals Conference (YWP 2019) Madrid (España) 12-15 noviembre 2019. Oral communication.
15. Iván Matías Sciscenko, Sara García, Consuel Sabater, Maria Angeles Castillo, I. Oller, Antonio Arqués. **Changes induced in aqueous solutions of Enrofloxacin by photolysis and (photo)-Fenton at different media: EEM-PARAFAC analysis and bioassays.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6) Portoroz (Eslovenia) 26-29 junio 2019. Oral communication. Book of abstracts (ISBN 978-961-93849-5-4).
16. Ilaria Berruti, Maria Inmaculada Polo-López, I. Oller, Marcello Manfredi. **Assessment of sulfate radical-based advanced oxidation processes for removal of bacteria and CECs from water.** 6th European

- Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6) Portoroz (Eslovenia) 26-29 junio 2019. Oral communication. Book of abstracts (ISBN 978-961-93849-5-4).
17. M.I. Polo-López. **Basis of disinfection**. III Summer School of the European PhD School on Advanced Oxidation Processes. Alcoy (Spain), 3-7 June 2019.
 18. I. Berruti, M.I. Polo-López, I. Oller, M. Manfredi. **Solar Heterogeneous Photocatalysis for the Simultaneous Removal of Organic Micropollutants and Microorganisms of Concern**. III Summer School of the European PhD School on Advanced Oxidation Processes. Alcoy (Spain), 3-7 June 2019. Short oral communication.
 19. S. Nahim-Granados, E. García-Gómez, P. Plaza-Bolaños, J.A. Sánchez, Pérez, A. Agüera, M.I. Polo-López. **Solar driven processes to reclaim wastewater from fresh-cut industry: assessment of pathogens and microcontaminants in water and raw-eaten crops**. 6th European Conference on Environmental Applications of Advance Oxidation Processes (EAAOP-6). Portoroz (Slovenia), 26-30 Junio 2019. Oral communication. Book of abstracts pp. 203-204 (ISBN 978-961-93849-5-4).
 20. S. Nahim-Granados, G. Rivas-Ibañez, P.Plaza-Bolaños, I.Oller, S. Malato, A. Agüera, J. A. Sánchez-Pérez, M. I. Polo-López. **Evaluation of ozone as an alternative treatment to chlorine in the fresh-cut industry : disinfection, microcontaminatns elimination and agricultural reuse of treated wash-water**. II National congress of international water association-young water professional-spanish chapter. Madrid (Spain), 12-15 Noviembre 2019. Oral communication. Book of abstracts, p. 109.
 21. A. Martínez-García, I. Oller, P. Fernández-Ibañez, M.I. Polo-López. **Evaluation of a new solar photo-reactor design for solar disinfection (SODIS)**. 6th European Conference on environmental Applications of Advanced Oxidation Processes (EAAOP-6). Portorož, (Eslovenia), 26-30 junio 2019. Oral communication. Book of abstracts, pp. 251-252 (ISBN 978-961-93849-5-4).
 22. I. Berruti, N.P.F. Gonçalves, M.I. Polo-López, I. Oller, P. Calza, M.C. Paganini, M. Manfredi. **Doped Zinc Oxides for the simultaneous removal of Microorganisms and Contaminants of Emerging Concern from Water**. International conference on chemical energy semiconductor photochemistry (CESCOP2019). Trabzon (Turkey), 4-6 September 2019. Oral communication. Book of abstract, p. 38.
 23. K.G. McGuigan, J Marugán, M.I. Polo, A. Martínez, P. Fernández, M.J. Abeledo, H. Gómez, E. Ares, A. Reboredo, T.D. Morse, L. Buck, K. Lungu, A. Gebreyesus, M. Teferi, T. Asmelash. **Evaluation of 20L transparent containers for household solar water disinfection (SODIS) of drinking water in resource poor environments: The Waterspoutt Project**. 20th International Symposium on Health-Related Water Microbiology (HRWM). Vienna (Austria), 15-20 September 2019. Short oral communication. Book of abstracts, p. 67.
 24. A. Martínez-García, I. Oller, P. Fernández-Ibañez, M.I. Polo-López. **Evaluation of a new solar photo-reactor for solar water disinfection**. 1st Doctoral Colloquium of the SFERA-III project. Odeillo (Francia), 11-13 septiembre 2019. Oral communication.
 25. L. Perez-Estrada. **Urban wastewater for irrigation and reuse: Innovative and solar processes**. ALICE project thematic workshop. ALICE workshop, Belfast (UK), 12 Septiembre 2018.
 26. L. A. Pérez-Estrada, S.I. Chávez Ruiz. **Application Of Iron-Based Catalysts In Advanced Hydrothermal Oxidation Process For Decontamination Of Highly Polluted Wastewater**. Workshop on Applications of Multi-scale Approaches in Environmental chemistry. AMARE 2019, 22-28 Abril 2019. Oral Communication.
 27. M. A. Roccamante, S. Miralles-Cuervas, A. Cabrera-Reina, I. Oller, S. Malato. **Zero Valent Iron technology at neutral pH assisted with iron complexes to remove pesticides in natural water**. III Summer School of the European PhD School on Advanced Oxidation Processes. Alcoy (España), 3-7 junio 2019. Short Oral Communication.
 28. S. Malato. Conferencia en **Curso-taller internacional de actualización en PAOs: Nuevos desarrollos ambientales de los Procesos Avanzados de Oxidación**. Universidad de Caldas, en Manizales – Caldas (Colombia). 29 de Abril a 3 de Mayo de 2019.
 29. S. Malato. Ponencia “Novel trends in photo-Fenton”. **3rd European Summer School on Environmental Applications of Advanced Oxidation Processes**. Alcoy, Spain, June 3-7, 2019.
 30. S. Malato. Ponencia **Valorizacion de resultados experimentales mediante su publicación en revistas especializadas**. Graduate Chemistry Program, Institute of Chemistry. Federal University of Rio Grande do Sul, Brasil. 14th Nov. 2019.
 31. S. Malato. **Solar AOPs for wastewater treatment: overview of processes and photoreactors**. II Sustainable Raw Materials. International Project Week and Scientific Conference. 6 – 10 May 2019, Szeged, Hungry. Invited Oral.
 32. A. Ruiz-Delgado, I. Oller, A.M.T. Silva, S. Malato, A. Agüera. **Industrial wastewater treatment by combining AOPs, biological and membrane technologies: ammonium recovery**. 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). 26/06/2019 - 30/06/2019. Portorov. Eslovenia. Book of Abstracts (ISBN 978-961-93849-5-4), pp. 48-40. Keynote.

33. G. Cerreta, M.A. Roccamante, I. Oller, P. Plaza-Bolaños, A. Agüera, L. Rizzo, S. Malato. **Advanced treatment of municipal wastewater effluents by UVC/free chlorine process: contaminants of emerging concern removal, trihalomethanes formation and comparison with UV/H₂O₂ process.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). 26/06/2019 - 30/06/2019. Portoroz. Eslovenia. Book of Abstracts (ISBN 978-961-93849-5-4), pp. 66-67. Oral.
34. L. A. Pérez-Estrada, S. I. Chávez Ruíz, B. A. Hernandez, S. Malato. **Decontamination of highly polluted wastewater by a high temperature oxidation process. Feasibility study to design a solar concentration system as source of energy for the process.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). 26/06/2019 - 30/06/2019. Portoroz. Eslovenia. Book of Abstracts (ISBN 978-961-93849-5-4), pp. 77-78. Oral.
35. I. Salmerón, P.K. Sharma, P. Fernández-Ibañez, J.A. Byrne, I. Oller, M.I. Polo-López, M.I. Maldonado Rubio, S. Malato. **Photoelectrocatalytic purification of urban wastewater using a TiO₂-nanotubes-carbon felt cathode electrochemical cell.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). 26/06/2019 - 30/06/2019. Portoroz. Eslovenia. Book of Abstracts (ISBN 978-961-93849-5-4), pp. 213-214. Oral.
36. A. Cabrera-Reina, S. Miralles-Cuevas, L. Cornejo-Ponce, I. Oller, S. Malato. **Solar photo-Fenton process evaluation through simulation: the influence of location on process performance and treatment cost.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). 26/06/2019 - 30/06/2019. Portoroz. Eslovenia. Book of Abstracts (ISBN 978-961-93849-5-4), pp. 225-226. Oral.
37. M.I. Polo-López, S. Nahim-Granados, J.A. Sánchez-Pérez, I. Oller, S. Malato. **Fresh-cut wastewater disinfection by solar processes with iron-chelate (Fe³⁺-EDDHA).** 20th Symposium on Health-Related Water Microbiology (HRWM). Vienna, Austria. 15/09/2019-20/09/2019. Abstract book, p 54. Oral POP 15.
38. A. Cabrera, S. Miralles, L. Cornejo, S. Malato and I. Oller. **Engineering aspects of solar photo-Fenton: process simulation as scaling-up tool.** 2nd Energy, Efficiency and Environmental Sustainability Conference, La Serena, Chile. October 16-18, 2019. Book of Abstracts, pp. 60. Oral SED06-A.
39. M. I. Polo López, S. Nahim-Granados, I. Oller, S. Malato, E. García-Gómez, P. Plaza-Bolaños, J. A. Sánchez Pérez, A. Agüera. **Assessment of organic micro-contaminants and microbial of emerging concern: From solar treated fresh-cut wastewater to irrigated crops.** IV Iberoamerican Conference on Advanced Oxidation Technologies. 18-22 Nov 2019, Natal, Brasil. Oral PPA-O01.
40. S. Malato. **Solar Photo-Fenton: Applications at conventional and neutral pH.** IV Iberoamerican Conference on Advanced Oxidation Technologies. 18-22 Nov 2019, Natal, Brasil. Plenary.
41. E. Pinheiro Costa, M. Roccamante, S. Malato, I. Oller, C. Amorim. **Improvement of solar photo-Fenton reaction in open reactors with reflective surface.** IV Iberoamerican Conference on Advanced Oxidation Technologies. 18-22 Nov 2019, Natal, Brasil. Oral PFE-O06.
42. A. Martínez García, I. Oller, M.I. Polo-López. **Solar-assisted Water Disinfection by H₂O₂ for Drinking Proposes.** III Summer School of the European Phd school on Advanced Oxidation Processes. Alcoy (Alicante), junio 3-7, 2019. Poster P1.
43. M.I. Polo-López, A. Martínez García, I. Oller, P. Fernández-Ibañez. **Development and testing of low-cost solar photo-reactors for solar disinfection (SODIS) of harvested rainwater.** 20th International Symposium on Health-Related Water Microbiology (HRWM). Vienna (Austria), 15-20 Septiembre 2019. Poster. Book of abstracts (Pag 156).
44. M. A. Roccamante, S. Miralles-Cuervas, A. Cabrera-Reina, I. Oller, S. Malato. **Zero Valent Iron at neutral pH assisted with iron complex to remove pesticides in natural water.** 6th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP-6). Portoroz, Slovenia, June 26-30, 2019. Book of proceedings (ISBN 978-961-93849-5-4), pp. 520-521
45. M. A. Roccamante, S. Miralles-Cuervas, A. Cabrera-Reina, I. Oller, S. Malato. **Evaluation of different sources of Zero Valent Iron to remove pesticides in natural water at neutral pH.** IWA Young Water Professionals Spain Conference 2019. Madrid (Spain), November 12-15, 2019. Book of proceedings (ISBN 978-84-09-19073-7). Poster P35, pp. 181-182.
46. I. Salmerón, K.V. Plakas, I. Oller, I. Sirés, M.I. Maldonado, S. Malato. **Determination of operating parameters for CECs removal by EF and SPEF at pilot plant scale: optimization of H₂O₂ electrogeneration by response surface methodology.** III Summer School of the European PhD School on Advanced Oxidation Processes. Alcoy (España) 3-6 junio 2019.
47. D. Deemter, I. Oller, S. Malato, Ana M. Amat. **Application of Advanced Integrated Technologies (Membrane and Photo-Oxidation Processes) for the Removal of CECs contained in Urban Wastewater.** 3rd European Summer School of Environmental Applications on Advanced Oxidation Processes. Alcoy (Spain), June 3 – 7, 2019.
48. D. Deemter, I. Oller, S. Malato, Ana M. Amat. **Application of Advanced Integrated Technologies (Membrane and Photo-Oxidation Processes) for the Removal of CECs contained in Urban Wastewater.**

International Conference on Chemical Energy Semiconductor Photochemistry. Trabzon (Turkey), September 4 – 6, 2019.

49. Maldonado M.I., A. López-Martín, G. Colón, J. Peral, J.I. Martínez-Costa, S. Malato. **Solar Pilot Plant Scale Hydrogen Generation by Irradiation of Cu/TiO₂ Composites in Presence of Sacrificial Electron Donors.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P5, page 322-324.
50. S. Y. Toledo Camacho, A. Rey, M. I. Maldonado, S. Contreras, F. Medina, **Photocatalytic hydrogen generation in a solar pilot plant using Pd/TiO₂(-WO₃) based catalyst.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications SPEA10. Almería (Spain). June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P13, page 342-344.
51. S. Nahim-Granados, I. Oller, S. Malato, J.A. Sánchez-Pérez, M.I. Polo-López. **Commercial fertilizer as effective iron chelate (Fe³⁺-EDDHA) for fresh-cut wastewater disinfection under natural sunlight.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P87, page 513-515.
52. Dennis Deemter, Isabel Oller, Sixto Malato, Ana M. Amat. **Application of Advanced Integrated Technologies (Membrane and Photo-Oxidation Processes) for the Removal of CECs contained in Urban Wastewater.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P89, page 519-520.
53. I. Berruti, M.I. Polo-López, I. Oller, M. Manfredi. **Assessment of novel advanced oxidation processes for removal of disinfection by-products and CECs from drinking water.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 88. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 516-518).
54. P. Soriano-Molina, J.L. García Sánchez, O.M. Alfano, L.O. Conte, S. Malato, J.A. Sánchez Pérez. **Modeling of Solar Photo-Fenton Process with Fe³⁺-EDDS at Neutral pH.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P91, page 524-526.
55. Ruiz-Delgado A., García-Gómez E., Pérez-Estrada L.A., Malato S., Oller I., Agüera A. **Treatment line for landfill leachates remediation. Analytical assessment.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P224, page 861-863.
56. I. Oller, S. Malato, M.I. Maldonado, M.I. Polo-López. Solar treatment of Water at Plataforma Solar de Almeria. Workshop on Water Efficiency in Process Industry. Frankfurt (Alemania), 8 Febrero 2018. E4400
57. Ruiz-Delgado A., Roccamante M., Oller I., Malato S. **Natural iron complexes from Olive Mill Wastewater for Solar Photo-Fenton degradation of micro-contaminants.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P105, page 560-562.
58. Polliotto, Pomilla, Maurino, Marci, Bianco Prevot, Nisticò, Magnacca, Paganini, Ponce Robles, Malato, Perez. **Magnetic hybrid nanomaterials for the photodegradation of microcontaminants in aqueous environment.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P134, page 634-636.
59. E. Grilla, V. Matthaiou, Z. Frontistis, I. Oller, I. Polo, D. Mantzavinos, S. Malato. **Degradation of antibiotic trimethoprim by the combined action of sunlight, TiO₂ and persulfate: A pilot plant study.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P141, page 653-654.
60. L. Ponce-Robles, M. I. Polo-López, I. Oller, A. Agüera, S. Malato. **Strategy for remediation of cork boiling wastewater using a combination of advanced chemical-biological oxidation technologies. Microbiological evaluation.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P236, page 891-893.
61. Roccamante M., Ruiz-Delgado A., Oller I., Malato S. **Advanced Oxidation Processes based on Ozonation for Contaminants of Emerging Concern removal.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Poster P239, page 899-901.
62. P. Soriano-Molina, A. Lorenzo, P. Plaza-Bolaños, S. Malato, J.A. Sanchez-Perez. **Assessment of solar photo-Fenton in raceway pond reactors at neutral pH with Fe(III)-EDDS for micropollutants removal in municipal wastewater treatment plant effluents of different composition.** 19th European Meeting on Env. Chem (EMEC 19). 3-6 December 2018. Royat, Clermont-Ferrand, France. Poster.
63. M.I. Polo-López, S. Nahim-Granados, I. Oller, S. Malato, J.A. Sánchez Pérez. **Use of a commercial iron fertilizer (Fe³⁺-EDDHA) as effective solar disinfectant agent to treat fresh-cut wastewater for reusing purposes.** Int. Conf. on Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the

- Framework of Urban Wastewater Reuse: Towards a blue circle society (XENOWAC II). 10th-12th October 2018, Limassol, Cyprus. Poster.
64. Ruíz-Delgado, E. García-Gómez, P. Plaza-Bolaños, S. Malato, I. Oller, A. Agüera. **Identification and removal of contaminants of emerging concern in landfill leachate.** Int. Conf. on Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a blue circle society (XENOWAC II). 10th-12th October 2018, Limassol, Cyprus. Poster.
 65. I. Salmerón, I. Oller, I. Sirés, K.V. Plakas, M.I. Maldonado, S. Malato. **Application of electro-Fenton and solar photoelectro-Fenton processes for the treatment of membrane concentrates.** IWA Regional Conference on Water Reuse and Salinity Management. 11-15 June 2018, Murcia, Spain. Poster.
 66. A. Martínez García, I. Oller, P. Fernández-Ibáñez, M.I. Polo-López. **Assessment of Low-Cost Pilot Photo-Reactors for Solar Disinfection of Synthetic Rainwater.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 175. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 742-744).
 67. M.J. Abeledo-Lameiro, A. Reboredo-Fernández, P. Fernández-Ibáñez, M.I. Polo-López, E. Ares-Mazás, H. Gómez-Couso. **Efficacy of two solar reactors fitted with compound concentrators in the inactivation of Cryptosporidium in harvested rainwater.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 178. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 751-753).
 68. M.J. Abeledo-Lameiro, P. Fernández-Ibáñez, M.I. Polo-López, E. Ares-Mazás, H. Gómez-Couso. **Solar disinfection of harvested rainwater in developing countries: evaluation of two high capacity reactors against Cryptosporidium.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 179. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 754-756).
 69. M.J. Abeledo-Lameiro, A. Reboredo-Fernández, M.I. Polo-López, E. Ares-Mazás, H. Gómez-Couso. **Inactivation of Cryptosporidium oocysts by photo-Fenton process under natural solar conditions.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 180. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 757-759).
 70. M.J. Abeledo-Lameiro, A. Reboredo-Fernández, P. Fernández-Ibáñez, M.I. Polo-López, E. Ares-Mazás. **Transparent polypropylene buckets are an alternative to PET bottles in the solar disinfection procedures against Cryptosporidium.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 181. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 760-762).
 71. N.F.F. Moreira, C. Narciso-da-Rocha, M. I. Polo-López, L. M.Pastrana-Martínez, J. L. Faria, C.M. Manaia, P. Fernández-Ibáñez, O.C. Nunes, A.M.T. Silva. **Urban Wastewater Treatment by Solar Advanced Oxidation Processes: Chemical and Biological Response.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Poster N° 228. Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 871-872).
 72. I. Oller. **Solar based technologies for disinfection, decontamination and desalination of water for reusing purposes.** The use of reclaimed water: best practices and new challenges. ALICE project thematic workshop. ALICE workshop, Murcia (España), 18 Junio 2018. 1K018
 73. Sixto Malato. **Conferencia en Seminario Internacional de Tratamiento Solar de Aguas.** Ciclo de Seminarios de Ayllu Solar 2018. Facultad de Ciencias de la Univ. de Tarapacá, Chile. 3 de Abril de 2018.
 74. I. Oller, M.I. Maldonado-Rubio, S. Malato. **Solar Photocatalytic technology for Hydrogen generation and contaminants elimination.** Joint UK and Ireland/Spain Semiconductor Photochemistry Meeting. Las Palmas de Gran Canaria (Spain) 10-11 September 2018.
 75. Marcì, G., García-López, E.I., Palmisano, L., Ilkaeva, M., Krivtsov, I., García, J.R., Díaz, E., Ordóñez S., Maldonado, M.I., Malato S. **HMF Selective Photo-Oxidation in Aqueous Suspension of Both Bare and H₂O₂ Treated Carbon Nitride Carried Out in a Solar Pilot Plant.** 10th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Almeria (Spain), June 4-8, 2018. Book of proceedings (ISBN 978-84-17261-27-6). Oral OC -63, page 160-162.
 76. K. Plakas, I. Salmerón, I. Oller, I. Sirés, M.I. Maldonado, S. Malato, A. Karabelas. **A novel solar photoelectro-Fenton pilot unit for water and wastewater treatment.** 11th National Conference on Renewable Energy Sources, Thessaloniki (Greece), 14-16 Marzo 2018.
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79. L. Ponce-Robles, A. Agüera, M.I. Polo-López, I. Oller, S. Malato. **Advanced Techniques for industrial water reuse assessment.** IWA regional conference of water reuse and salinity management (IWARESA). Murcia (España), 11-15 julio 2018. Oral communication. Book of abstracts (Pag. 75).
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 83. J.A. Sanchez-Perez, P. Soriano-Molina, J.L. Garcia-Sanchez, S. Malato. **Solar photo-Fenton as a tertiary wastewater treatment. From mechanisms to reactor design.** 19th European Meeting on Env. Chem (EMEC 19). 3-6 December 2018. Royat, Clermont-Ferrand, France. Invited Oral.
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 85. L. Rizzo, T. Agovino, S. Nahim-Granados, M. Castro-Alfárez, P. Fernández-Ibáñez, M.I. Polo Lopez. **Removal of contaminants of emerging concern and inactivation of antibiotic resistant bacteria in water by sunlight/peracetic acid.** 10th European Meeting on Solar Chemistry and Photocatalysis: Environmental Application (SPEA10). Almería (España) 4-8 junio 2018. Oral (Nº 26). Book of Proceedings. ISBN: 978-84-17261-27-6 (pag. 71-72).
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 91. M.I. Maldonado-Rubio, S. Malato, I. Oller, I. Polo-López, L.A. Pérez-Estrada, J. Peral, M. Navas. **Solar Treatment of Water Unit at the Plataforma Solar de Almería (CIEMAT): Solar photocatalytic production of Hydrogen.** 11th EERA AMPEA Joint Programme Steering Committee. AMPEA workshop: Photo- and Electro- Catalysis in Energy Conversion. November 20th-21st, 2017, Prague (Czech Republic). Poster.
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93. N.F.F. Moreira, C. Narciso-da-Rocha, M.I. Polo-López, J.L. Faria, C.M. Manaia, P. Fernández-Ibañez, O.C. Nunes, A.M.T. Silva. **Solar Advanced Oxidation Processes for the Treatment of Urban Wastewater: Chemical and Biological Response.** 2nd summer school on Environmental Applications of Advanced Oxidation Processes of the European PhD School on AOPs and NEREUS COST Action ES1403 Summer School on Advanced Treatment Technologies and Contaminants of Emerging Concern, Porto (Portugal), 10-14 Julio 2017. Short oral communication (OP26), pag. 23 Abstract book.
 94. A. Ruíz-Delgado, L. Ponce Robles, I. Salmerón, I. Oller, M.I. Polo-López, S. Malato, A. Agüera. **Combination of advanced technologies for landfill leachate treatment and nutrient recovery.** 2nd summer school on Environmental Applications of Advanced Oxidation Processes of the European PhD School on AOPs and NEREUS COST Action ES1403 Summer School on Advanced Treatment Technologies and Contaminants of Emerging Concern, Porto (Portugal), 10-14 Julio 2017. Short oral communication (OP4), pag. 16 Abstract book.
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 96. L. Ponce-Robles, A. Agüera, I. Oller, L. Pérez-Estrada, M.J. Trinidad-Lozano, F.J. Yuste, S. Malato. **Cork boiling wastewater treatment and reuse by combination of Advanced physicochemical technologies.** Cork in Science and Applications (CSA 2017). September 7th-8th, 2017, Aviero (Portugal). Oral Communication. Abstract book.
 97. Y. Aguas-Mendoza, M. Hincapie, M.I. Polo-López, P. Fernández-Ibañez. **Solar AOPs for disinfection and reuse of real urban wastewater for agriculture: Assessment of total coliforms, E.coli, salmonella and E.faecalis.** 3rd Iberoamerican Conference on Advanced. Oxidation Technologies (III CIPOA) and 2nd Colombian Conference on Advanced Oxidation Processes (II CCPAOX). Guatapé (Colombia), 14-17 Noviembre 2017. Short Oral communication (Nº 31). Abstract book
 98. S. Malato. **Treatment of contaminants of emerging concern: applications by Solar AOPs and combination with other technologies.** 3rd Iberoam. Conf. on Adv. Oxid. Tech.. (III CIPOA). November 14th-17th, 2017, Guatapé (Colombia). Plenary lecture.
 99. A.B. Martínez-Piernas, S. Nahim-Granados, M.I. Polo-López, S. Malato, S. Murgolo, G. Mascolo, P. Fernández-Ibañez, A. Agüera. **Suspect-screening Strategy Applied To The Identification Of Transformation Products Of Carbamazepine In Lettuce And Soil Commodities.** 18th European Meeting on Environmental Chemistry (EMEC18), Porto (Portugal), 26 -29 Noviembre 2017. Oral communication. Pag. 145, Abstract book. Nereus Cost Action ES1403
 100. M.I. Polo-López, M.I. Maldonado Rubio, L. Pérez-Estada, I. Oller Alberola, S. Malato Rodríguez. **Solar water purification and reuse: new photocatalytic materials and pilot plants experiences.** Photocatalytic and Superhydrophilic Surfaces Workshop PSS2017. Museum of Science and Industry, Manchester, Reino Unido. 7-8 Diciembre 2017. Oral invitada, pag. 12, Abstract book.
 101. S. Malato Rodríguez. **Treatment of CECs by solar driven AOPs.** 2nd Summer School on Environmental Applications of Advanced Oxidation Processes and Training School on Advanced Treatment Technologies and Contaminants of Emerging Concern. Biblioteca Municipal Almeida Garrett, Porto, Portugal. July 10-14, 2017.
 102. A.B. Martínez-Piernas, M.I. Polo-López, P. Fernandez-Ibañez, A. Agüera. **Development and application of analytical methods for the determination of contaminants of emerging concern in crops and soils irrigated with reclaimed water.** 13th SOLLAB doctoral colloquium. Alexanderplatz, Berlín (Germany), May 15-17 (2017), Oral, pag. 13. Abstract Book.
 103. S. Nahim Granados, J.A. Sánchez Pérez, M.I. Polo-López. **Solar photochemical processes: an alternative water disinfection treatment in fresh-cut industry.** 13th SOLLAB doctoral colloquium. Alexanderplatz, Berlín (Germany), May 15-17 (2017), Oral, pag. 14. Abstract Book.
 104. A. Ruíz-Delgado, L. Ponce Robles, I. Salmerón, I. Oller, M.I. Polo-López, S. Malato, A. Agüera. **Treatment Strategy for Landfill Leachate Solar Remediation and Reuse.** 13th SOLLAB doctoral colloquium. Alexanderplatz, Berlín (Germany), May 15-17 (2017), Oral, pag. 16. Abstract Book.
 105. M.I. Polo-López, S. Nahim-Granados, M. Castro-Alfárez, J. Marugán, P. Fernández-Ibañez. **Evaluation of solar water disinfection model for E. coli inactivation at real field conditions.** 5th European Conference on Environmental Applications of Advance Oxidation Processes. Prague (Czech Republic), June 25-29 (2017), Oral 41, pag. 103. Abstract Book.
 106. S. Malato. Ponencia en **"Workshop & NIS colloquium. Keywords: environment, water, sustainable materials, circular economy. Towards 2018-20 European proposals"**. Università di Torino – Dipartimento di Chimica, 20-21 April 2017.

- 107.S. Malato, I. Oller, S. Miralles-Cuevas, M.I. Maldonado, L. Perez-Estrada. **Different applications of solar photo-Fenton process: economical approach and comparison with other AOPs.** 5th European Conf. on Environmental Appl. of Advanced Oxid. Proc. (EAAOP5), 25-29 June, 2017, Prague (Czech Rep.) Book of Abstracts Pag. 48. Keynote (KL6).
- 108.Leonidas Perez-Estrada. **Fingerprinting indigenous organic pollutants and its degradation products using UPLC-ESI-Ion-Mobility (T-wave)/TOF-MS.** Agilent Ion Mobility Spectrometry Seminar. Manchester (UK), January 12th 2017.
- 109.L. Ponce-Robles, A. Martinez, M.C. Campos, A. Agüera, I. Oller, S. Malato, L. Perez-Estrada. **Identification of transformation products and suspects during the treatment of municipal and industrial wastewaters using a traditional workflow and the Omics approach.** 2017 Water Contaminants Annual Forum (AFWC) and SCIEX User Group Meeting. Freising (Germany), April 24-26th 2017.
- 110.Leonidas Perez-Estrada. **Testing performance of the separation potential of the SelexIon (FAIMS) in a 6600 Triple-TOF/MS for untreated complex samples.** AB Sciex, Warrington (UK), May 24-26th 2017.
- 111.S. Nahim-Granados, M. Castro-Alferez, J.A. Sánchez-Pérez, M.I. Polo-López. **Solar water treatments for fresh-cut produce industry: sanitation and reduction of the water consumption.** 5th European Conference on Environmental Applications of Advance Oxidation Processes EAAOP5. Prague, Czech Republic. 25-29 June, 2017. Book of Abstracts, pag. 353. Poster (P-10-3).
- 112.A. Ruíz-Delgado, L. Ponce Robles, I. Salmerón, I. Oller, M.I. Polo-López, S. Malato, A. Agüera. **Landfill leachate treatment and reuse for nutrient recovery by combination of advanced technologies.** 5th European Conference on Environmental Applications of Advance Oxidation Processes EAAOP5. Prague, Czech Republic. 25-29 June, 2017. Book of Abstracts, pag. 434. Poster (P-17-5).
- 113.Ruiz-Delgado, A., Miralles-Cuevas, S., Cornejo-Ponce, L., Malato, S., Oller, I. **EDDS as complexing agent for enhancing solar advanced oxidation processes to degrade micro-contaminants in natural water: assessment of iron species and oxidant agents.** 5th European Conf. on Environmental Appl. of Advanced Oxid. Proc. (EAAOP5), 25-29 June, 2017, Prague (Czech Rep.) Book of Abstracts Pag. 419. Poster (P13-33).
- 114.P. Soriano-Molina, I. de la Odra, S. Malato, J. L. García Sánchez, J. A. Sánchez Pérez. **Kinetics of micropollutant removal by solar photo-Fenton with Fe(III)-EDDS at neutral pH.** 5th European Conf. on Environmental Appl. of Advanced Oxid. Proc. (EAAOP5), 25-29 June, 2017, Prague (Czech Rep.) Book of Abstracts Pag. 151. Poster (SPC II-11).
- 115.L. Ponce-Robles, A. Agüera, L. Pérez-Estrada, S. Malato, I. Oller. **Advanced analytical techniques applied to cork boiling wastewater treatment and reuse by using advanced oxidation processes.** 5th European Conf. on Environmental Appl. of Advanced Oxid. Proc. (EAAOP5), 25-29 June, 2017, Prague (Czech Rep.) Book of Abstracts Pag. 166. Poster (SPC IV-3).
- 116.Isabel Oller, Sixto Malato. **Solar Advanced oxidation processes: photoreactors, applications and economical approach.** 6th EuCheMS Chemistry Congress. Seville (Spain), September 11-15 (2016). Invited lecture, page 109. Abstract Book.
- 117.P. Fernández-Ibáñez. **Fundamentals on solar technologies for water remediation.** European Science Open Forum (ESOF 2016) within the Symposium 'Is solar remediation a solution to global water shortages?'. Manchester (UK), July 22-27 (2016). Oral.
- 118.P. Fernández-Ibáñez. **WATERSPOUTS project-Water Sustainable Point-of-use Treatment Technologies.** Engineering for Sustainable Development Forum Granada 2016 H2020 Horizon 2020 Area. Granada (Spain), September 29-30 (2016). Oral.
- 119.M. Castro-Alferez, M.I. Polo-López, P. Fernández-Ibáñez. **Intracellular mechanisms of solar water disinfection (ROS detection by fluorescence probe in E. coli).** AOPs Workshop. Barcelona (Spain), July 7-8 (2016). Oral.
- 120.S. Malato, P. Fernández-Ibáñez, M.I. Maldonado, I. Oller. I. Polo. **Fotoreactores solares: potencial en procesos fotocatalíticos y su alcance empleando carbones o materiales híbridos.** 2º Taller latinoamericano de materiales de carbono (TLMC2). Termas de Chillán, Chile, 16-18 Noviembre 2016. Oral Presentation. Libro de resúmenes, pag. 59.
- 121.S. Malato. Ponencia en **3rd Water, Membrane Environment and Energy Technology Expo (WM2E-2016).** BITEC, Bangkok, Thailand. 14-16 Sept. 2016.
- 122.Leonidas Perez-Estrada. **Application of Ion-Mobility to Characterize Complex Mixtures of Environmental Concern.** The fingerprinting of Canada's Oil Sands Tailings. 2016 MS Technology day. Waters Corporation, Madrid 25 Octubre 2016. .
- 123.M.I. Polo-López, P. Fernández-Ibáñez, S. Malato, M. Castro-Alferez, S. Nahim Granados. **Solar photochemical and photocatalytic inactivation of Legionella jordanis in water: EMA-qPCR versus culture-based analyses for new mechanistic insights.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg (France), June 13-17 (2016), Oral OC -50, page 94. Abstract Book.

- 124.M. I. Maldonado; S. Malato; X. Domènech; J. Peral; **Hydrogen generation by photoreforming of real wastewater at solar pilot plant scale.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg (France), June 13-17 (2016), Oral OC -23, page 85 Abstract Book.
- 125.I. Oller, S. Malato, P. Fernández-Ibáñez, D. Alarcón-Padilla. **Opportunities for Industrial R&D Co-operation in Environmental Technologies.** Malaysian-Spanish Joint Workshop. Kuala Lumpur, 31st May 2016. Invited talk. Technological embassy to Malaysia and Thailand in environmental technologies organised by CDTI (Spanish Government) and PLANETA.
- 126.I. Oller, S. Malato, P. Fernández-Ibáñez, D. Alarcón-Padilla. **Opportunities for Industrial R&D Co-operation in Environmental Technologies.** Thailand-Spanish Joint Workshop. Bangkok, 3rd June 2016. Invited talk. Technological embassy to Malaysia and Thailand in environmental technologies organised by CDTI (Spanish Government) and PLANETA.
- 127.I. de la Olla, L. Ponce, S. Miralles, I. Oller, S. Malato, J. A. Sánchez. **Raceway pond photoreactors for solar photo-Fenton applications: degradation of microcontaminants contained in real effluents.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg (France), June 13-17 (2016), Oral OC -04, page 79 Abstract Book.
- 128.A.B. Martínez-Piernas, I. Polo Lopez, P. Fernandez-Ibanez, S. Malato, A. Agüera. **Application of Quechers Extraction Coupled to LC-MS/MS Analysis for the Determination of Contaminants of Emerging Concern in Crops Irrigated by Recycled Water.** 44th International Symposium & Exhibit on High Performance Liquid Phase Separations and Related Techniques HPLC 2016. San Francisco, CA, USA. 19-24 June, 2016. Poster communication. P-Th-2413. Pg. 238.
- 129.M.C. Campos Mañas, A. Agüera López, J.A. Sánchez Pérez, S. Malato. **Multiresidue analysis of 115 microcontaminants in wastewater using direct injection coupled to high performance liquid chromatography-tandem Mass Spectrometry.** 44th International Symposium & Exhibit on High Performance Liquid Phase Separations and Related Techniques HPLC 2016. San Francisco, CA, USA. 19-24 June, 2016. Poster communication. P-W-1305. Pg. 167.
- 130.M.C. Campos Mañas, G. García Ibáñez, A. Agüera López, J.A. Sánchez Pérez, S. Malato. **Development of a SPE-LC-MS/MS method for the analysis of microcontaminants during wastewater treatment processes.** 44th International Symposium & Exhibit on High Performance Liquid Phase Separations and Related Techniques HPLC 2016. San Francisco, CA, USA. 19-24 June, 2016. Poster communication. P-W-1306. Pg. 167.
- 131.M. Castro-Alfárez, M.I. Polo-López, S. Nahim-Granados, P. Fernández-Ibáñez. **Internal Reactive Oxygen Species (ROS) Detection by Fluorescent Probes in E. coli Cells Exposed to Solar Radiation.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg, Francia, 13 - 17 June, 2016. Poster communication.
- 132.S. Papoutsakis, C. Pulgarin, I. Oller, S. Malato. **Synthetic vs natural iron-complexing agents for solar photo-Fenton at near-neutral pH: The potential of reused wastewaters.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg, Francia, 13 - 17 June, 2016. Poster P-9, page 102 Abstract Book.
- 133.S. Miralles-Cuevas, D. Darowna, A. Wanag, S. Mozia, S. Malato, I. Oller. **Economical Assessment of UV/H₂O₂, UV/S₂O₈²⁻, solar/Fe(II)/H₂O₂ and solar/Fe(II)/S₂O₈²⁻ Processes for the Removal of Microcontaminants.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg, Francia, 13 - 17 June, 2016. Poster P-67, page 122 Abstract Book.
- 134.V. A. de la Peña O'Shea, F. Fresno, J. L. G. Fierro, A. Llobet, H. García, J. J. Vilatela, M. A. García-Aranda, F. Illas, S. Giménez, S. Malato. **FOTOFUEL: An Excellence Network Facing the New Challenges in Artificial Photosynthesis.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg, Francia, 13 - 17 June, 2016. Poster P-84, page 127 Abstract Book.
- 135.M.C. Campos-Mañas, A. Agüera, G. Rivas, J.A. Sánchez Pérez, S. Malato. **Analytical approach for monitoring microcontaminants during wastewater treatment. Effect of variation in the composition of the matrix on the quantitative analysis.** 9th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Strasbourg, Francia, 13 - 17 June, 2016. Poster P-138, page 145 Abstract Book.
- 136.A. Reboredo-Fernández, M.J. Abeledo-Lameiro, I. Polo-López, P. Fernández-Ibáñez, E. Ares-Mazás, H. Gómez-Couso. **Addition of hydrogen peroxide to natural ferruginous water improves the efficacy of SODIS method against Cryptosporidium.** The 13th IWA Leading Edge Conference on Water and Wastewater Technologies. Jerez de la Frontera, España. 13-16 June, 2016. Poster communication.
- 137.M. Castro-Alfárez, M. I. Polo-López, J. Marugán Aguado, P. Fernández-Ibáñez. **Mechanistic model for bacteria photo-inactivation in water using solar radiation: new understanding of solar disinfection.** European Society for Photobiology, ESP 2015 Congress. Aveiro, Portugal, 31th August-4th September, 2015.
- 138.P. Fernández-Ibáñez, S. Malato, M.I. Maldonado, I. Oller, M.I. Polo-López. **Photocatalytic water disinfection: new materials and solar applications.** Joint RSC Ireland – UK&I SPC Meeting on Photocatalysis, Queen's University Belfast, UK. 9th September 2015.

- 139.P. Fernández-Ibáñez. **Drinking water disinfection using solar energy (possibilities in the UK)**. 8th Conference of the UK Network on Potable Water Treatment & Supply. Invited lecture. Cranfield University, London, UK, 23 September 2015.
- 140.M.I. Polo-López, S. Malato, P. Fernández -Ibáñez, I. Oller, M.I. Maldonado. **Water purification by solar photocatalysis: techniques and technologies**. 1st International Water Nexus Conference 2015. Catalysis for water purification. Daegu, Korea, 28-30 October, 2015.
- 141.P. Fernández-Ibáñez, M. Castro-Alfárez, M.I. Polo-López, J. Marugán. **Mechanistic model for bacteria photo-inactivation in water using solar radiation**. 4th European Conference on Environmental Applications of AOPs. Athens, Greece. 21-24 October 2015. Oral communication C1-12, Book of abstracts, pag. 93.
- 142.S. Malato, S. Miralles, J.A. Sánchez-Pérez, Isabel Oller, A. Agüera, M. Llorca. **Treatment of real effluents by nanofiltration and solar photo-Fenton: analytical and toxicology assessment**. 4th European Conf. on Environmental Appl. of Advanced Oxid. Proc., 21-24 October 2015, Athens. Book of Abstracts B2-7. Oral.
- 143.Sixto Malato; Pilar Fernández-Ibáñez; Manuel I. Maldonado; Isabel Oller; Inmaculada Polo; Jose A. Sánchez. **Solar AOPs: overview of processes and photoreactors**. VIII Meeting on Environmental Applications of Advanced Oxidation Processes and II Iberoamerican Congress of Advanced Oxidation Technologies. Belo Horizonte, Brasil. 3-6th November 2015. Book of abstracts PL011. Plenary Lecture.
- 144.I. Oller; S.Miralles; L. Ponce-Robles; A. Agüera; S. Malato; M.J Trinidad-Lozano; F.J. Yuste. **Cork boiling wastewater regeneration and reuse by combination of advanced oxidation technologies**. VIII Meeting on Environmental Applications of Advanced Oxidation Processes and II Iberoamerican Congress of Advanced Oxidation Technologies. Belo Horizonte, Brasil. 3-6th November 2015. Book of abstracts OR054. Oral.
- 145.S. Malato. Ponencia en “**Escuela de Formación en Procesos de Oxidación Avanzada**”. Univ. de Caldas, Manizales, Colombia. 21-24 septiembre de 2015.
- 146.S. Malato. Ponencia en seminario “**SOS OZAMA**”. Pontificia Universidad Católica Madre y Maestra (PUCMM), Rep. Dominicana, 14 de octubre de 2015.
- 147.S. Malato. S. Malato. Ponencia en Workshop “**Application and Implication of Nanotechnology for Water and Wastewater Treatment**” Organized by COST ENTER (ES1205), Working Group 1. Athens, Greece, 22 October 2015.
- 148.S. Malato. Curso “**Water and wastewater decontamination by solar radiation**” in the Graduate Program of Sanitary, Environment and Hydraulic Resources at Federal University of Minas Gerais, Belo Horizonte-MG, Brazil. November 9th to 11th, 2015. *15 hours*.
- 149.S. Malato. Ponencia en **First workshop on nanostructured materials for light harvesting technologies: from solar fuels to energy storage**. IMDEA Materials Institute, Madrid, 25-26 November 2015.
- 150.S. Malato. Ponencia en **Nuevos Conceptos del Uso de la radiación solar para la descontaminacion de aguas**. Univ. del Valle, Cali, Colombia. 1-4th Diciembre, 2015.
- 151.M.I. Maldonado, S. Malato, P. Fernández-Ibáñez, M.I. Polo-López, I. Oller, J. Peral. **Solar pilot plant facility for photocatalytic generation of hydrogen**. Solar Fuels Network. International Discussion Meeting. Solar Fuels: Moving from Materials to Devices. Royal Society of Chemistry, London. 7-8 Julio, 2015.
- 152.M.J. Abeledo-Lameiro, A. Reboredo-Fernández, M.I. Polo-López, P. Fernández-Ibáñez, E. Ares-Mazás, H. Gómez-Couso. **Photocatalytic inactivation of the waterborne protozoan parasite Cryptosporidium parvum using TiO₂/H₂O₂ under simulated and natural solar conditions**. 4th European Conference on Environmental Applications of AOPs. Athens, Greece. 21-24 October 2015. Poster communication PP3-31, pg 211.
- 153.I.M. Román Sánchez, M. segura, J.A. Sánchez Pérez, E. Ortega Gómez, P. Fernández-Ibáñez. **Cost analysis of photo-Fenton disinfection in real municipal wastewater**. 4th European Conference on Environmental Applications of AOPs. Athens, Greece. 21-24 October 2015. Poster communication PP3-29, pg 210.
154. M. Hobbs, P. Jarvis, I. Carra, B. Jefferson, I. Oller, S. Malato, A. Agüera, A. Martínez. **Photocatalytic degradation of the herbicide quinmerac. Kinetics and transformation products**. 4th European Conf. on Environmental Appl. of Advanced Oxid. Proc., 21-24 October 2015, Athens. Book of Abstracts PP2-49. Poster.
- 155.Malato, P. Fernández-Ibáñez, I. Oller, M.I. Polo-López, M.I. Maldonado. **Water and Wastewater Treatment: Applications with Solar Photocatalysis**. 3rd Water Research Conference. Shenzhen, China, 11th – 14th January, 2015. Invited Lecture.
- 156.P. Fernández Ibáñez, M. I. Polo López, M. Castro, I. Oller, G. Zaragoza. **Assessment of solar AOPs for disinfection of effluents of urban wastewater**. 3W Expo 205+CPPE Expo 2015. BITEC, Bangkok, Thailand, 28th-31th January, 2015. Oral communication 23, Session 8: Membrane bioreactor, Reuse and Zero Discharge.
- 157.M. Castro-Alfárez, M. I. Polo-López, P. Fernández-Ibáñez. **Solar Disinfection of Water: treatment decay model (SODIWA)**. 11th SolLab Doctoral Colloquium on Solar Concentrating Technologies. Melchsee-Frutt, Switzerland, 2nd-4th March, 2015. Oral communication 42.

158. G. Ferro, M.I. Polo-López, A.B. Martínez-Piernas, P. Fernández-Ibañez, A. Agüera, L. Rizzo. **Evaluation of cross-contamination of residual emerging contaminants and multi-drug resistant bacteria in lettuce crops irrigated with wastewater treated by sunlight/H₂O₂**. Environmental protection in a multi-stressed world: challenges for science, industry and regulators. SETAC Europe 25th Annual Meeting. Barcelona, Catalonia, Spain, 3rd -7th May, 2015. Oral communication 663, pag. 176.
159. A. Fiorentino, G. Ferro, M. Castro Alferez, M. I. Polo-López, P. Fernández-Ibañez, L. Rizzo. **Inactivation of antibiotic resistant bacteria in urban wastewater by solar advanced oxidation processes**. Environmental protection in a multi-stressed world: challenges for science, industry and regulators. SETAC Europe 25th Annual Meeting. Barcelona, Catalonia, Spain, 3rd -7th May, 2015. Platform communication 423, pag. 111.
160. I. Oller, L. Ponce, P. Fernández-Ibañez, S. Malato. **Integration of Advanced Technologies (Biological treatment and Solar based chemical oxidation) for Industrial Wastewater Remediation**. International Exhibition on Water, Environmental and Chemical Engineering (3W EXPO+CPPE 2015). Bangkok (Thailand) 29th-31st January, 2015. Oral communication. Session 9: Industrial & Hazardous Management.
161. I. Oller & S. Malato. **Wastewater Treatment by Solar driven AOPs: design and applications**. Oral communication in 1st Summer School on Environmental Applications of Advanced Oxidation Processes. University of Salerno, Department of Civil Engineering. Fisciano (Italy), 15th-16th June, 2015.
162. I. Oller. **Integrated Advanced Technologies for the remediation of Industrial wastewaters: case studies**. Oral communication in 1st Summer School on Environmental Applications of Advanced Oxidation Processes. University of Salerno, Department of Civil Engineering. Fisciano (Italy), 15th-16th June, 2015.
163. S. Malato. **Photocatalysis for water detoxification**. Harbin Institute of Technology, Campus Shenzhen University, China. January 13th, 2015. Invited Lecture
164. Sixto Malato, Manuel I. Maldonado, Pilar Fernández, Isabel Oller, Inmaculada Polo. **Decontamination and disinfection of water by solar photocatalysis: the pilot plants of the Plataforma Solar de Almería**. E-MRE Meeting. Symposium B. Materials for applications in water treatment and water splitting. May 11-15, 2015. Lille, France. Invited Lecture.
165. P. Fernández-Ibañez, I. Oller, S. Malato, M.I. Maldonado, M.I. Polo-López. **Solar Treatment of water at Plataforma Solar de Almería**. 3W Expo 205+CPPE Expo 2015. BITEC, Bangkok, Thailand, 28th-31th January, 2015.
166. M.I. Maldonado, S. Malato, P. Fernández-Ibañez, M.I. Polo-López, I. Oller, J. Peral. **Solar pilot plant facility for photocatalytic generation of hydrogen**. Solar Fuels Network. International Discussion Meeting. Solar Fuels: Moving from Materials to Devices. Poster 17. Royal Society, London, 7th -8th July, 2015.
167. S. Miralles-Cuevas, I. Oller, M. Llorca, S. Rodríguez-Mozaz, C. Sabater, M.A. Castillo, A. Agüera, M. Petrovic, P. Fernández-Ibañez, S. Malato. **Assessment of acute and chronic toxicity in real MWTP effluents treated by different AOPs**. SETAC Europe 25th Annual Meeting. Environmental protection in a multi-stressed world: challenges for science, industry and regulators. Barcelona, 3-7 Mayo de 2015.
168. Gómez-Couso H., Ares-Mazás E., Polo-López I., Fernández-Ibañez P., Timmers R., Rodríguez I., Molina R., Martínez F., Marugán J. **Removal of chemical and biological emerging pollutants in wastewater by coupling biotreatment and solar photocatalytic processes**. ANQUE-ICCE-BIOTEC2014, Libro de Actas, pg. 275. ISBN: 978-84-697-0726-5. Madrid, 1-4 Julio de 2014. Poster.
169. Fernández Ibañez P., Inmaculada Polo López M., Bichai F. **Solar disinfection of wastewater for reuse in food crop irrigation**. 248th American Chemical Society National Meeting & Exposition, San Francisco, CA (USA), 10 – 14 August, 2014. Oral.
170. Cruz-Ortiz B. R., Byrne J. A., Dunlop P., Magee E., Fernández-Ibañez P., Polo Lopez M. I., O'Shea K., Dionysiou D., Hamilton J. W. **Solar photocatalytic disinfection of water for developing countries**. 248th American Chemical Society National Meeting & Exposition August 10 - 14, 2014 San Francisco, CA. Oral.
171. Fernández-Ibañez P. **SODIS Enhancement Technologies: Pilot testing for developing countries**. UNESCO-IHE, Institute for Water Education (Delft, The Netherlands). One-day symposium on UV disinfection in developing countries, 6th November 2014. Invited lecture.
172. Oller I., Miralles S., De Torres-Socías E., Polo-López I., Malato S., Fernández-Ibañez P. **Application of solar Advanced Oxidation processes for wastewater remediation**. Third International Conference on Advanced Oxidation Processes AOP-2014. Munnar, Kerala (India), 25-28 Septiembre 2014. Oral.
173. De Torres-Socías E., Malato S., Oller I., Amor C., Lucas M. S., Peres J. A. **Detailed treatment line for specific landfill leachate remediation and reuse based on photo-Fenton and Ozono (O₃, O₃/H₂O₂):**

- Toxicity and biodegradability assessment.** International Congress on Water, Waste and Energy Management (EWWM). Oporto (Portugal), 15-18 Julio, 2014. Oral.
174. Malato S., Fernández-Ibáñez P., Oller I., Polo-López M.I., Maldonado M.I. **Waste Water Treatment and Reclamation: applications with Solar AOPs.** 2nd International Conference on Recycling and Reuse (R&R, 2014), 4-6 June, 2014, Istanbul, Turkey. Keynote.
175. Malato S., Maldonado M. I., Fernández P., Oller I., Polo I. **Solar Photocatalysis, overview and applications.** 12th Pannonian Symp. on Catalysis. Trest, Czech Republic. 16-20 September, 2014. Plenary Lecture. PL4.
176. Malato S., Maldonado M. I., Fernández P., Oller I., Polo I. **Photocatalysis for water treatment.** IEEE Nanotechnology materials and devices conference 2014. October 12-15, 2014. Aci CAstello, Italy. Invited Talk.
177. M. Castro-Alfárez, M.B. Keogh, M.I. Polo-López, I. Fernández-Calderero, K.G. McGuigan, P. Fernández-Ibáñez, **Solar water disinfection in using a 20- litre Water Dispenser Container (WDC).** 11th IWA Leading Edge Conference on Water and Wastewater Technologies, 26-30 May 2014, Abu Dhabi, United Arab Emirates. Poster communication.
178. C. Sirtori, I. Carra, A. Agüera, S. Malato, J. A. Sánchez Pérez. **Acetamiprid and thiabendazole removal and transformation products monitoring in raceway ponds by solar photo-Fenton.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-1-29. Poster presentation.
179. José Luis Casas López, Irene Carra Ruiz, José Luis García Sánchez, Sixto Malato Rodríguez and José Antonio Sánchez Pérez. **A simplified kinetic model for micropollutant removal with solar photo-Fenton process.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-1-44. Poster presentation.
180. S. Papoutsakis, S. Miralles-Cuevas, I. Oller, J.L. García Sanchez, C. Pulgarin, S. Malato. **EDDS assisted photo-Fenton treatment of a mixture of five organic contaminants in MWTP effluent at neutral pH. An experimental design approach towards the optimization of operational parameters.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-1-45. Poster presentation.
181. I. Carra, J. A. Sánchez Pérez, S. Malato, O. Autin, B. Jefferson, P. Jarvis. **Acetamiprid Degradation by Different AOPs. Effect of the Water Matrix.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-1-72. Poster presentation.
182. I. Carra, J. A. Sánchez Pérez, S. Malato, O. Autin, B. Jefferson, P. Jarvis. **Micropollutant Removal by Photo-Fenton Using UVC-LED.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-1-75. Poster presentation.
183. De Torres-Socías, E., Oller I., Malato, S. **Treatment Strategy for Cork Boiling Wastewater Remediation at Pilot Plant Scale.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-3-16. Poster presentation.
184. S. Miralles-Cuevas, I. Oller, J.A. Sánchez-Pérez, S. Malato. **Solar photo-Fenton with EDDS at neutral pH for removing emerging contaminants from concentrate MWTP effluents by NF membrane.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. PC-3-17. Poster presentation.
185. Pilar Fernández-Ibáñez. **Solar Disinfection of Water using Nanomaterials.** NIBEC, School of Engineering, University of Ulster (UK), 16th April 2014. Invited lecture.
186. R.A. Timmers, M.I. Polo-López, P. Fernández-Ibáñez, J. Marugán. **Concurrent water disinfection and micro pollutant removal by solar radiation in 2 pilot scale photoreactors.** 2nd International Conference on Recycling and Reuse, Istanbul, Turkey, 4-6 June, 2014. Oral communication.
187. M. Castro-Alfárez, M.I. Polo-López, J. Marugán, P. Fernández-Ibáñez. **New mechanistic model for bacterial inactivation with direct solar radiation.** 10th SolLab Doctoral Colloquium on Solar Concentrating Technologies, 23-25 June, 2014. Oral communication.
188. P. Fernández-Ibáñez, I. García-Fernández, S. Miralles-Cuevas, M.I. Polo-López, S. Malato, M. Castro-Alfárez. **Municipal Wastewater Effluent disinfection with solar photo-Fenton process: benefits of using Fe(III)-EDDS complex at neutral pH.** OC33, 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, Greece, 25-28, June, 2014. Oral communication.

- 189.I. Oller, E. De Torres-Socías, M. J. Trinidad-Lozano, F. J. Yuste-Córdoba, S. Malato. **Comparison of ozonation (O₃ and O₃/H₂O₂) with solar photo-Fenton for cork boiling wastewater remediation.** Electronic Proceedings of the International Conference & Exhibition EA3G2014. Ozone and Related Oxidants Advances in Science and Technology. Dublin, 3rd-5th June, 2014. Oral communication. ISBN 979-10-92607-01-7. Oral communication. 2.2, 1-5.
- 190.S. Miralles-Cuevas, F. Audino, I. Oller, J. A. Sánchez-Pérez, S. Malato. **Treatment of nanofiltration concentrates by ozonation for pharmaceuticals removal in different water matrixes.** Electronic Proceedings of the International Conference & Exhibition EA3G2014. Ozone and Related Oxidants Advances in Science and Technology. Dublin, 3rd-5th June, 2014. Oral communication. 5.2, 1-6.
- 191.J. A. Sánchez Pérez, I. Carra, L. Santos-Juanes, S. Malato. **Application of raceway ponds reactors for micropollutant removal by solar photo-Fenton.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. OC44. Oral presentation.
- 192.J. Giménez, B. Bayarri, O. González, S. Malato, J. Peral, S. Esplugas. **Ways for the Estimation of Environmental and Economic Impact of Advanced Oxidation Processes.** Proceedings of the 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications. Thessaloniki, 25th-28th June, 2014. OC47. Oral presentation.
- 193.Sixto Malato. **Photocatalysis for water detoxification.** Invited Lecture. Thematic workshop on clean and sustainable technologies: photocatalysis as a tool for sustainability. Portoroz, Slovenia, 24-25 Sept, 2013.
- 194.Sixto Malato. **solarphotocatalysis in water treatment.** Invited Lecture. In ChemH₂O 2013, Leading edge conference on sustainable water management. Madrid, 1-2 October, 2013.
- 195.Irene Carra, Sixto Malato, Jose A. Sánchez Pérez. **Fe/UV-light interrelation in the photo-Fenton process when removing contaminants at µg/L scale by solar photo-Fenton.** 2nd Int. Conf on Photocatalytic and advanced oxidation technologies for treatment of water, air, soil and surfaces (PAOT-2). Univ. Gdansk, Poland. Sept 9-12, 2013. Book of abstracts, P24. Oral presentation.
- 196.Sixto Malato, Manuel I. Maldonado, Pilar Fernández, Isabel Oller, Inmaculada Polo. **Photocatalysis for water treatment. 3rd European Conference on Photocatalysis.** Portoroz, Slovenia, September 25-27, 2013. Book of Abstracts (ISBN 978-961-6311-78-6). PL2. Plenary Lecture.
- 197.S. Malato, P. Fernández-Ibáñez, I. Oller, M. I. Maldonado, M. I. Polo-López Solar. **AOPs for Waste Water Reclamation and Water Disinfection.** VII Brazilian Congress of Advanced Oxidation and 1st Iberoamerican Congress of Advanced Oxidation. Recife (Brazil) in October 15-18, 2013. Keynote lecture.
- 198.M. S. Lucas, J. A. Peres, A. Sampaio, L. Prieto-Rodríguez, I. Oller, M. I. Maldonado, S. Malato. **Treatment of pulp mill wastewater by biologic and solar photo-Fenton processes: a case study.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). O11, p 8. Oral presentation.
- 199.D. Lambropoulou, E. De Torres Socías, I. Oller, A. Agüera, S. Malato. **Degradation of Bupropion by Solar Driven Advanced Oxidation Processes at Pilot Scale: Kinetics, Transformation Products and routes.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). O28, p 14. Oral presentation.
- 200.R. Gonzalez-Olmos, M.J. Martin, I. Oller, S.Malato, F.-D. Kopinke, A.Georgi. **Fe-zeolites as Materials for Adsorption / Oxidation Processes in Water Treatment. 3rd European conference on environmental applications of advanced oxidation proceses (EAAOP3).** Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). O33, p 15. Oral presentation.
- 201.M.I. Polo-López, A. Ruiz-Aguirre, G. Zaragoza, P. Fernández-Ibáñez. **Treatment and reclaim of irrigation water using solar membrane distillation and advanced oxidation.** Pretoria, South Africa. July 1-4, 2013. Book of abstracts, paper 655. 5th International Conference on Applied Energy (ICAE2013). 1K009.
- 202.J.A. Byrne, E. Magee, J.W.J. Hamilton, P.S.M. Dunlop, S.C. Pillai, R. Fagan, K. O'Shea, C. Han, D.D. Dionysiou, M.I. Polo-Lopez and P. Fernandez-Ibanez. **Novel Photocatalytic Materials: The Need for Research Standards (KeyLecture).** 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 203.K.G.,McGuigan, R. Nalwanga, B. Quilty, C. Muyanja, P. Fernandez-Ibanez. **Evaluation of a 25 Litre Batch SODIS Reactor Fitted with a Compound Parabolic Collector Under Ugandan Field Conditions (Oral).**

- 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 204.S. Miralles-Cuevas, I. Oller, J.A. Sánchez Pérez, S. Malato. **Application of Modified Solar Photo-Fenton Treatment to Nanofiltration Membranes Concentrates for Removal of Pharmaceuticals in MWTP Effluents.** The 19th Int. Conf. on Advanced Oxidation Technologies for Treatment of Water, Air and Soil (AOTs-19). 17-21 November, San Diego (California, USA). Oral Communication.
- 205.E. De Torres-Socías, I. Oller, L. Prieto-Rodríguez, A.Zapata, S. Malato. **Landfill Leachate treatment by Solar Photo-Fenton: toxicity, biodegradability and economic assessment.** The 19th International Conference on Advanced Oxidation Technologies for Treatment of Water, Air and Soil (AOTs-19). 17-21 November, San Diego (California, USA). Oral Communication.
- 206.S. Papoutsakis, S.Miralles-Cuevas, N. Gondrexon, S Baup, S.Malato, C.Pulgarin. **Synergistic Pilot-scale Coupling Between High-frequency Ultrasound and Solar Photo-Fenton for the Treatment of Selected Contaminants.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P52, p 46. Poster presentation.
- 207.M. Jiménez, M. Ignacio Maldonado, S. Malato, A. Hernández-Ramírez. **Photocatalytic degradation of pesticides mixture found in citrus processing industry wastewater using TiO₂ supported on glass beads.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P88, p 58. Poster presentation.
- 208.S. Miralles-Cuevas, F.Audino, I.Oller, J.A. Sánchez-Pérez, M. Tanveer, S. Malato. **Pharmaceuticals removal by combining nanofiltration with advanced oxidation tertiary treatments.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P89, p 58. Poster presentation.
- 209.De Torres-Socías, E, Oller, I., Malato, S. **Treatment strategy for cork boiling wastewater remediation at pilot plant scale.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P122, p 69. Poster presentation.
- 210.L. Prieto-Rodríguez, I. Oller, A. Agüera, S. Malato. **Pharmaceuticals behavior throughout a secondary immobilized biomass reactor followed by a solar photo-Fenton tertiary treatment.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P153, p 79. Poster presentation.
- 211.I. Carra, S. Malato, J. A. Sánchez Pérez. **Effect of Iron Dosage on Reaction Time in the Photo-Fenton Process when Removing Micropollutants.** 3rd European conference on environmental applications of advanced oxidation processes (EAAOP3). Almería, Spain. October 27th 30th 2013. Book of abstracts (ISBN 978-84-15487-99-9). P202, p 96. Poster presentation.
- 212.M. Castro-Alfárez, M.I. Polo-López, P. Fernández-Ibáñez. **Evaluation of the photon flux in a CPC photo-reactor by ferrioxalate actinometry** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 213.A. Ruiz- Aguirre, M.I. Polo-López, M. Castro-Alfárez, G. Zaragoza, P. Fernández-Ibáñez. **Combination of Solar Membrane Distillation and Advanced Oxidation Processes In Removing Fusarium solani and Clostridium sp from Contaminated Wastewater Effluent** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 214.I. García-Fernández, M.I. Polo-López, S. Miralles, P. Fernández-Ibáñez. **Photo-Fenton with Fe (III)-EDDS Complex at Neutral pH for Disinfection of Real Wastewater Effluents** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 215.M.I. Polo-López, P. Fernández-Ibáñez. **Disinfection of simulated municipal wastewater treatment plant effluents using solar Advanced Oxidation Processes** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 216.J. Rodríguez-Chueca, M.I. Polo-López, M.P. Ormad, R. Mosteo, P. Fernández-Ibáñez. **Disinfection of municipal wastewater effluents by solar photo-Fenton treatment** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013
- 217.D. Venieri, E. Chatzisyneon, C. Brebou, M.I. Polo-López, I. García-Fernández, D. Mantzavinos, P. Fernández-Ibáñez. **Solar photo-Fenton Inactivation of Legionella pneumophila in Environmental Samples**

- (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013
- 218.E. Ortega-Gómez, B. Esteban García, M.M. Ballesteros Martín, P. Fernández Ibañez, J.A. Sánchez Pérez. **Disinfection of WWTP Secondary Effluent by Solar Photo-Fenton at Neutral pH** (Poster). 3rd European Conference on Environmental Application of Advanced Oxidation Processes. Almería, Spain, 27-30, October, 2013.
- 219.L. Maya-Treviño; A. Hernández-Ramírez; J. Guzmán-Mar; L. Hinojosa-Reyes; M. I. Maldonado. **Photocatalytic activity of the ZnO-Fe⁰ catalyst on the degradation of 2,4-D under simulated solar light.** 3rd European Conference on Environmental Applications of Advanced Oxidation Processes. Almería, Spain, October 27th-30th, 2013. Book of Abstracts (ISBN 978-84-15487-99-9) P22, pp 36.
- 220.A. Cabrera-Reina; G. Li Puma; J. L. Casas López; M. I. Maldonado; L. Santos-Juanes Jordá; J. L. García Sánchez; J. A. Sánchez-Pérez. **A Fenton/Photo-Fenton model including reactor geometry.** 3rd European Conference on Environmental Applications of Advanced Oxidation Processes. Almería, Spain, October 27th-30th, 2013. Book of Abstracts (ISBN 978-84-15487-99-9) P119, pp 68. 1K008
- 221.E. Saggiaro; A. Oliveira; T. Pavesi; M. Jiménez-Tototzintle; E. Conçalves, M. I. Maldonado; J. Moreira. **Efficiency of photocatalytic degradation of bisphenol A in batch and CPC reactors mediated TiO₂ suspensions.** 3rd European Conference on Environmental Applications of Advanced Oxidation Processes. Almería, Spain, October 27th-30th, 2013. Book of Abstracts (ISBN 978-84-15487-99-9) P163, pp 83.
- 222.A. Cabrera Reina; J. L. Casas López; M. I. Maldonado Rubio; L. Santos-Juanes Jordá; J. L. García Sánchez; J. A. Sánchez-Pérez. **The use of Photo-Fenton modelling for plant design.** 3rd European Conference on Environmental Applications of Advanced Oxidation Processes. Almería, Spain, October 27th-30th, 2013. Book of Abstracts (ISBN 978-84-15487-99-9) P177, pp 87.
- 223.Jose A. Sánchez, I. Carra, E. Ortega, B. Essteban, Josse L. Casas, S. Malato. **Study of irradiance and Fe concentration effect for removal of contaminants at µg/L scale by solar photo-Fenton at natural pH.** 245th ACS National Meeting and Exposition, Division of Environmental Chemistry. New Orleans, LA, USA. April 7-11, 2013. Paper 335, Session on “Chemistry and applications of advanced oxidation processes for removal of contaminants of emerging concern”. Poster presentation.
- 224.E. De Torres-Socías, I. Oller, S. Malato. **Cork boiling wastewater treatment at pilot plant scale: comparison of solar photo-Fenton and ozone (O₃, O₃/H₂O₂ at different initial pH values). Toxicity and biodegradability assessment.** 14th EuCheMs International Conf. on Chemistry and the Environment. Barcelona, Spain. June 25th 28th, 2013. Book of abstracts, PW-9. Poster presentation.
- 225.S. Miralles-Cuevas, I. Oller, J.A. Sánchez Pérez, S. Malato Rodríguez. **Combined nanofiltration and photo-Fenton for treating water containing pollutants at µg L⁻¹ initial concentration in natural water.** 14th EuCheMs International Conf. on Chemistry and the Environment. Barcelona, Spain. June 25th 28th, 2013. Book of abstracts, PE-22. Poster presentation.
- 226.L. Prieto-Rodríguez, P. Fernández, S. Miralles-Cuevas, I. Oller, A. Agüera, S. Malato. **Optimization of mild heterogeneous photocatalysis with low concentration of TiO₂ for WWTP effluents containing microcontaminants.** 4th Int. Conf. On Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of absstracts (ISBN 978-80-7080-854-2). P3-17, pp. 251. Poster presentation.
- 227.I. García-Fernandez, M.I. Polo-Lopez, I. Martin-Cara, M. Jiménez-Tototzintle, P. Fernández-Ibañez. **Photocatalytic inactivation of fungi and bacteria in CPC reactor: effect of air injection and water temperature.** 4th Int. Conf. on Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). P3-23, pp. 255. Poster communication.
- 228.Sixto Malato Ponencia invitada en “**Heterogeneous catalysis: from electronic processes to photocatalysis**”. IRCELYON-CNRS. Amphithéâtre CNRS, Villeurbanne, France. 24 Enero, 2013.
- 229.S. Malato, I. Oller, A. Agüera, L. Prieto-Rodríguez, S. Miralles. **Advanced treatments (solar AOPs and nanofiltration) for elimination of micropollutants in municipal wastewater treatment plant effluents.** 245th ACS National Meeting and Exposition, Division of Environmental Chemistry. New Orleans, LA, USA. April 7-11, 2013. Paper 84, Session on “Chemistry and applications of advanced oxidation processes for removal of contaminants of emerging concern”. Oral presentation.
- 230.Sixto Malato Rodríguez. **Removal of Pollutants in Water and Wastewater by Solar Advanced Oxidation Processes.** 14th EuCheMs International Conf. on Chemistry and the Environment. Barcelona, Spain. June 25th 28th, 2013. Book of abstracts, KN 12. Keynote presentation.

- 231.L. Prieto-Rodríguez, D. Spasiano, I. Oller, A. Agüera, S. Malato. **Removal of organic micro-contaminants from municipal waste water by an IBR system coupled to a solar photo-Fenton process as tertiary treatment.** 14th EuCheMs International Conf. on Chemistry and the Environment. Barcelona, Spain. June 25th 28th, 2013. Book of abstracts, OW-5. Oral presentation.
- 232.P. Fernández-Ibañez, S. Malato, M.I. Maldonado, I. Oller, M.I. Polo-Lopez. Decontamination and disinfection of water in solar photocatalytic reactors. 4th Int. Conf. On Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). O33, pp. 83. Oral presentation.
- 233.N. Miranda-García, S. Suarez, M.I. Maldonado, S. Malato, B. Sánchez. **Regeneration strategies for TiO₂ immobilised photocatalysts used in the elimination of emerging contaminants in water.** 4th Int. Conf. On Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). O29, pp. 79. Oral presentation.
- 234.Invited keynote lecture: P. Fernández-Ibañez, **Solar Water Treatment.** Photochemistry Early Career Researchers Meeting. 15th-16th May 2013, Belfast (UK), Royal Society of Chemistry and University of Ulster.
- 235.M. Jiménez-Tototzintle; S. Malato; E. M. Rodríguez; A. Hernández-Ramírez, M. I. Maldonado. **Supported-TiO₂ solar photocatalysis at pilot plant scale: degradation of pesticides found in wastewater from citrus processing industry. Reactivity and reaction pathways.** 4th Int. Conf. On Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). P3-22. Oral presentation.
- 236.M. Castro-Alfárez, M.I. Polo-López, I. Oller, P. Fernández-Ibañez, **Modelling and simulation of photo-Fenton reactions in a CPC solar reactor: formic acid case.** 9th Sollab Doctoral Colloquium on Solar Concentrating Technologies. 13th -14th May 2013, Balck Forest (Germany), DLR.
- 237.P. Fernández-Ibañez. Invited lecture: **Solar technologies for wastewater treatment,** at the Faculty of Sciences of the Dublin City University (DCU), 14th May 2013.
- 238.P. Fernández-Ibañez, S. Malato, M.I. Maldonado, I. Oller, M.I. Polo-López. **Decontamination and disinfection of water in solar photocatalytic reactors.** 4th Int. Conf. on Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). O33, pp. 83. Oral presentation.
- 239.J.A. Byrne, P. Fernández-Ibañez, M.I. Polo-López, J.W.J. Hamilton, et al. **Rapid solar photocatalytic disinfection of water using titania and graphene-titania composites.** 4th Int. Conf. on Semiconductor Photochemistry. Prague, Czech Republic. 23rd 27th June 2013. Book of abstracts (ISBN 978-80-7080-854-2). O33, pp. 83. Oral presentation
- 240.P. Fernandez-Ibañez, M.I. Polo-López, S. Wandhwa, et al. **Rapid solar photocatalytic disinfection of water using graphene-titania composites.** 245th ACS National Meeting and Exposition, Division of Environmental Chemistry. New Orleans, LA, USA. April 7-11, 2013. Paper 134, Session on “Chemistry and applications of advanced oxidation processes for removal of contaminants of emerging concern”. Oral presentation.
- 241.M.I. Polo-López, A. Ruiz-Aguirre, G. Zaragoza, P. Fernández-Ibañez. **Treatment and reclaim of irrigation water using solar membrane distillation and advanced oxidation.** Pretoria, South Africa. July 1-4, 2013. Book of abstracts, paper 655. 5th International Conference on Applied Energy (ICAE2013).
- 242.C. Sirtori, A. Zapata, A. Agüera, S. Malato. **Advanced oxidation processes mediated by solar energy: an useful technology for treat different emerging contaminants.** 4th Int. IUPAC Conf. on Green Chemistry (4th ICGC). Foz do Iguazu, Brasil, 25-29 August, 2012. Oral Communication.
- 243.Sixto Malato y Pilar Fernández. **Decontamination and disinfection of water: solar plants and other engineering aspects.** The 17th Int. Conf. On Semiconductor Photocatalysis and Solar Energy Conversion. Jacksonville, Florida, USA, November 11th-15th, 2012. Book of Abstract, p. 35. Plenary lecture.
- 244.M. Inmaculada Polo-López, Sixto Malato-Rodriguez, Pilar Fernández-Ibañez. **Inactivation of Pathogens inWater by Solar Photocatalysis.** The 17th Int. Conf. On Semiconductor Photocatalysis and Solar Energy Conversion. Jacksonville, Florida, USA, November 11th-15th, 2012. Book of Abstract, p. 64. Short talk.
- 245.Sixto Malato. **Advanced Technologies Based on Solar Energy for Wastewater Treatment.** Workshop “Sustainable water treatment technologies: achievements, perspectives, constraints”. 10-11 December 2012, Girona, Spain. Book of abstract, pp. 9-11. Oral presentation.
- 246.S. Malato. Ponencia invitada en “**Seminario Internacional de Energía Solar para la Agricultura y la Agroindustria**”. Fundación para la Innovación Agraria (Ministerio de Agricultura, Chile). 18-23 Noviembre, 2012.

247. I. Oller. Ponencia Invitada. **Solar photo-reactors for water treatment**, en International Workshop on New Advanced Wastewater Treatment Technologies. September 6, 2012. ICCF (Clermont-Ferrand).
248. García-Fernández, M.I. Polo-López, I. Oller, P. Fernández-Ibáñez, **Inactivation of *Clavibacter michiganensis* in Water Using solar photo-Fenton**. Poster. International Conference on Recycling and Reuse (R&R2012), Istanbul (Turkey), June 4-6, 2012.
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250. Turki, H. Kochkar, I. García-Fernández, M.I. Polo-López, A. Ghorbel, C. Guillard, G. Berhault, P. Fernández-Ibáñez. **Solar Photocatalytic Inactivation of *Fusarium Solani* Over TiO₂ Nanomaterials With Controlled Morphology -- Formic Acid Effect** (Poster). 7th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA7), Oporto, 17-20 junio 2012.
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- 272.S. Malato Conferencia y Mesa Redonda en “**Cantabria Campus Nobel**”. Cantabria Campus Internacional. Palacio de la Magdalena, Santander. 12 Junio 2012.
- 273.Ignacio Sirés Sadornil; Ana Zapata; Manuel Ignacio Maldonado; Sixto Malato; Enric Brillas. “**A pilot plant for the decontamination of water by the solar photoelectro-Fenton process: The case of a steroid hormone**”. The 62nd Annual Meeting of the International Society of Electrochemistry. Oral Invited. 11-16 September 2011, Niigata, Japan.
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- 285.S. Malato. **Removal of emerging contaminants from UWWTPs by solar driven AOPs**. Emerging contaminants and microorganisms into the environment: contamination pathways, health effects and control. Univ. of Salerno, Italy. June 24th 2011. Oral Presentation.
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