

Oral presentations in conferences

M. Teresa Fernández-Abedul, Pablo Rioboó-Legaspi, Alejandro Rodríguez-Penedo, María Cerrato-Álvarez, Estefanía Costa-Rama

Strategies for decentralizing clinical, food and environmental (bio)electroanalysis

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Invited Lecture | November 19-21, 2025 | Porto, Portugal

João G. Pacheco, Isabel Seguro, Patrícia Rebelo, Henri P.A. Nouws, Cristina Delerue-Matos

Electrochemical molecularly imprinted polymer devices for analytical applications

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Oral presentation | November 19-21, 2025 | Porto, Portugal

Ricarda Torre, Maria Cerrato-Alvarez, Pablo Rioboó-Legaspi, Henri P.A. Nouws, Cristina Delerue-Matos, María Teresa Fernández-Abedul, Estefanía Costa-Rama

Hand-Made Carbon-Based Electroanalytical Platforms for the Affordable Determination of Pharmaceuticals and Biogenic Amines

[76th Annual Meeting of the International Society of Electrochemistry](#)

Oral presentation | September 7-12, 2025 | Mainz, Germany

Nuria Bernárdez-Rodas, Emilio Rosales, Marta Pazos, M. Ángeles Sanromán

Three-dimensional electrosorption of a pharmaceutical mixture via pine cone-derived biochar: batch and continuous mode

[6th Doctoral Congress in Engineering - DCE25](#)

Oral presentation | June 30 - July 1, 2025 | Porto, Portugal

Luigi Mastrodonato, Sara Abdelli, Vian Yasin, Niroshan Gajendra, Sissel O. Viig, Paola Calza, Davide Vione, Laura Ferrando-Climent

Understanding the pollution composition and dispersion from an old landfill to the environment through a suspect screening approach: the Brånåsen case

[The Norwegian Environmental Chemistry Symposium 2025 \(NECS2025\)](#)

Oral presentation | March 10-12, 2025 | Geilo, Norway

Guimarães, L.

Impacto da Poluição e das Alterações Climáticas na Saúde Ambiental: Monitorização e Perspetivas Futuras

[IX Jornadas do Mar e da Atmosfera](#)

Oral presentation | February 12-14, 2025 | Aveiro, Portugal

Sara Abdelli, Luigi Mastrodonato, Paola Calza, Davide Vione, Øyvind Brandvoll, Vian Yasin, Laura Ferrando-Climent

Dynamics of Contaminants Transport under climate change patterns in Varied Soil Types at laboratory scale: Influence of water flow rate and temperature

[9th Mediterranean Conference on Desalination and Water Treatment \(CMTDE 2024\)](#)

Oral presentation | December 22-25, 2024 | Hammamet, Tunisia

Sílvia D. Martinho, Inês Pereira, Maria Freitas, Olga M. Freitas, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Cristina Delerue-Matos

Application of magnetic Nanoparticles for the removal of Microplastics from aquatic systems

[XXVIII Encontro Galego Português de Química](#)

Oral presentation | November 13-15, 2024 | Vigo, Spain

Antía Fdez-Sanromán, Bárbara Lomba-Fernández, Marta Pazos, Emilio Rosales, M. Ángeles Sanromán

Modificaciones y optimización del nitrato de carbono gráfico y sus técnicas de inmovilización para la eliminación de contaminantes coloreados en agua

[XXVIII Encontro Galego Português de Química](#)

Oral presentation | November 13-15, 2024 | Vigo, Spain

B. Lomba-Fernández, A. Fdez-Sanromán, E. Rosales, M. Pazos, M.A. Sanromán

Electrospun Fe-MOF nanofiber membranes: Synthesis and catalytic application in the Electro-Fenton process

[XXVIII Encontro Galego Português de Química](#)

Oral presentation | November 13-15, 2024 | Vigo, Spain

P. Rebelo, I. Seguro, I. Martins, J.G. Pacheco, H.P.A. Nouws, C. Delerue-Matos

Electropolymerized Molecularly Imprinted Polymer sensors for the analysis of pharmaceuticals in waters

[Biosensing Workshop - Towards Future Applications of Bio-Inspired Sensors](#)

Oral presentation | October 22-25, 2024 | Sitges, Spain

Oral presentations in conferences

N. Bernárdez, M. Pazos, E. Rosales, M.A. Sanromán

Valorización de residuos forestales y su aplicación en la eliminación de contaminantes recalcitrantes

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Oral presentation | June 19-21, 2024 | A Coruña, Spain

A.M. Díez, C. Gómez-González, M. Pazos, M.A. Sanromán

Integración de adsorción y degradación mediante Procesos de Oxidación Avanzada: un nuevo enfoque para futuras aplicaciones

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Oral presentation | June 19-21, 2024 | A Coruña, Spain

Estefanía Costa-Rama, Maria Cerrato-Alvarez, Pablo Rioboó-Legaspi, Patricia Rebelo, João G. Pacheco, Henri P.A. Nouws, Cristina Delerue-Matos, M. Teresa Fernández-Abedul

Low-Cost electroanalytical platforms for the determination of emerging contaminants

[36th Topical meeting of the international society of electrochemistry \(ISE\)](#)

Invited lecture | May 26-29, 2024 | Šibenik, Croatia

Javier Menéndez Menéndez, María Cerrato-Álvarez, Pablo Rioboó-Legaspi, Estefanía Costa-Rama, M. Teresa Fernández-Abedul

Floating pencil lead-based electrochemical cells to monitor the presence of emerging contaminants in waters

[36th Topical meeting of the international society of electrochemistry \(ISE\)](#)

Invited lecture | May 26-29, 2024 | Šibenik, Croatia

Maria Cerrato-Alvarez, Patricia Rebelo, Estefanía Costa-Rama, João G. Pacheco, Henri P.A. Nouws, Cristina Delerue-Matos, M. Teresa Fernández-Abedul

Electropolymerized molecularly imprinted polymer sensor for the simple voltammetric detection of venlafaxine in water samples

[36th Topical meeting of the international society of electrochemistry \(ISE\)](#)

Oral presentation | May 26-29, 2024 | Šibenik, Croatia

Elena Surra, Laura Guimarães, Cristina Delerue-Matos

New Environmental Risk Thresholds for 36 Pharmaceuticals in Life Cycle Assessment

[SETAC Europe 34th Annual Meeting](#)

Oral presentation | May 5-9, 2024 | Seville, Spain

Abreu, I.O., Teixeira, C., Vilarinho, R., Rocha, A.C.S., Moreira, J.A., Oliva-Teles, L., Guimarães, L., Carvalho, A.P.

Deciphering Zebrafish Spectral Signatures: Insights from Raman Spectroscopy

[III 1-H TOXRUN International Congress](#)

Oral presentation | May 2-3, 2024 | Porto, Portugal

Rodrigues, P., Oliva-Teles, L., Carvalho, A.P., Guimarães, L.

Tramadol and its main metabolites: toxicological effects on zebrafish embryos and larvae

[III 1-H TOXRUN International Congress](#)

Oral presentation | May 2-3, 2024 | Porto, Portugal

C. Delerue-Matos

Removal of pharmaceuticals from wastewaters: is the revised European Directive a solution or a headache?

[Urban Wastewater Treatment: Ready for Zero Pollution?](#)

Oral presentation | April 9, 2024 | Porto, Portugal

Hendrikus Nouws

Electrochemical biosensing in the heart of food, health, and environmental challenges

[Analítica 2024 - 11th Meeting of the SPQ Analytical Chemistry Division](#)

Keynote lecture | March 25-26, 2024 | Porto, Portugal

Sónia Figueiredo

Contaminantes emergentes: desafios na monitorização e tratamentos

[Academia da Água | Água – Ameaças, Desafios e Oportunidades em Contexto de Incerteza](#)

Oral presentation | February 28, 2024 | Porto, Portugal

Oral presentations in conferences

E. Surra, C. Delerue-Matos

Fundamentals of a new method for the assessment of conservation and restoration of freshwater ecosystems contaminated by pharmaceuticals based on sustainability concept

[XXVII Encontro Luso Galego de Química](#)

Oral presentation | November 22-24, 2023 | Porto, Portugal

Verónica Poza-Nogueiras, Aida M. Díez, Marta Pazos, Angeles Sanromán

Synthesis of eco-friendly biosorbents to be applied for the removal of pharmaceuticals

[XXVII Encontro Luso Galego de Química](#)

Oral presentation | November 22-24, 2023 | Porto, Portugal

E. Surra, Á. Torrinha, C. Delerue-Matos, S. Morais

Life Cycle Assessment and Economic Analysis of Portable Sensors for Ketoprofen Detection in Fish

[XXVII Encontro Luso Galego de Química](#)

Oral presentation | November 22-24, 2023 | Porto, Portugal

Guimarães, L.

Avaliação e monitorização de contaminação ambiental para a sustentabilidade dos ecossistemas aquáticos

[I Workshop in Environmental Management](#)

Oral presentation | November 16, 2023 | Curitiba, Brazil & Online

P. Rebelo, J.G. Pacheco, I.V. Voroshylova, I. Seguro, A. Melo, M.N.D.S Cordeiro, C. Delerue-Matos

Molecularly imprinted sensors for electrochemical analysis of pharmaceuticals in environmental waters

[Sensors 2023](#)

Oral presentation | October 25-27, 2023 | Albufeira, Portugal

M. Pazos, A Díez, S Escudero, A Fdez-Sanromán, D Terrón, E Rosales, M A Sanromán

Advances in the eco-design and synthesis of materials for the aquatic environment restoration

[5th International Symposium on Materials, Electrochemistry and Environment, CIMEE 23](#)

Keynote lecture | September 21-23 | Tripoli, Lebanon

I. Abreu, C. Teixeira, R. Vilarinho, A. Rocha, J. Agostinho, L. Oliva-Teles, L. Guimarães, A.P. Carvalho

Raman spectral signatures of zebrafish organs

[Blue Think Conference 2023](#)

Oral presentation | September 13, 2023 | Matosinhos, Portugal

S. Escudero-Curiel, X. López Rodríguez, A. Díez-Sarabia, M. Pazos, M.A. Sanromán

Valorization of agro-industrial wastes by hydrothermal carbonization: synthesis, nitrogen functionalization, and evaluation as carbocatalysts in water treatment

[14th International Chemical and Biological Engineering Conference - CHEMPOR 2023](#)

Oral presentation | September 12-15, 2023 | Bragança, Portugal

João G. Pacheco, Isabel Seguro, Patrícia Rebelo, Cristina Delerue-Matos

Molecularly imprinted electrochemical sensors for pharmaceuticals monitorization in water

[XXV Meeting of the Portuguese Electrochemical Society](#)

Oral presentation | August 30 - September 1, 2023 | Coimbra, Portugal

S. Escudero-Curiel, X. López Rodríguez, M. Pazos, M.A. Sanromán

Hydrothermal carbonization for agro-industrial waste valorization: synthesis of Nitrogen-doped hydrochars as carbocatalysts for efficient removal of pharmaceuticals in water treatment

[5th Doctoral Congress in Engineering - DCE23](#)

Oral presentation | June 15-16, 2023 | Porto, Portugal

Oral presentations in conferences

V. Cruz Fernandes, R. Garzón-Vidueira, D. Rede, R. Rial-Otero, C. Delerue-Matos

A Novel and Validate Method for Extraction and Analysis of Several Microplastics in Water Samples

[18th International Conference on Chemistry and the Environment – ICCE 2023](#)

Oral presentation | June 11-15, 2023 | Venice, Italy

Laura Guimarães

Assessment of water treatments and conservation of aquatic ecosystems for environmental and human well-being

[II TOXRUN International Congress 2023, No Boundaries for Toxicology: One Health, One Society, One Planet](#)

Keynote lecture | April 27-28, 2023 | Porto, Portugal

V.C. Fernandes

Microplastics and related chemicals in the environment: global concern and multiple challenges

[International Conference on Frontier Areas in Chemical Technologies 2022](#)

Oral presentation | February 17, 2023 | Alagappa University, India & online.

S. Escudero-Curiel, M. Pazos, M.A. Sanromán

Strategies for producing hydrochars as engineering adsorbents from agro-industrial wastes

[International Conference on Biotechnology for Sustainable Bioresources and Bioeconomy - BSBB-2022](#)

Plenary lecture | December 7-11, 2022 | Guwahati, India

E. Surra, C. Ribeiro, P. Paíga, I. Baptista, L. Marinheiro, N. Lapa, C. Delerue-Matos

Comparison of Advanced Tertiary Treatments for Pharmaceuticals Removal from a Municipal Wastewater

[XXVI Encontro Internacional Galego-Portugués de Química](#)

Oral presentation | November 16-18, 2022 | Santiago de Compostela, Spain

S. Escudero-Curiel, M. Pazos, A. Sanromán

Modification strategies on the hydrochar synthesis from agro-industrial wastes for sustainability application for removing pharmaceuticals from aqueous media

[X IBA-IFIBiop 2022](#)

Invited lecture | October 27-30, 2022 | Kaohsiung, Taiwan

Virginia Cruz Fernandes

Microplastics and Associated Contaminants in Environmental Compartments: analytical methods, interactions and ecotoxicological effects

[LAQV Webinars](#)

Oral presentation | October 26, 2022 | Online

Virginia Cruz Fernandes

Microplastics and associated chemicals: methods, interactions, and perspectives

[Global Summit on Environmental Health 2022](#)

Oral presentation | October 10-11, 2022 | Stockholm, Sweden & online

Laura Guimarães

BioReset - Biodiversity restoration and conservation of inland water ecosystems for environmental and human well-being

[CIIMAR Annual Meeting 2022](#)

Oral presentation | September 26, 2022 | Matosinhos, Portugal

Sílvia Martinho, Virginia Cruz Fernandes, Sónia Figueiredo, Cristina Delerue Matos

The Potencial Harmful Effects of Microplastics Reinforced by Pesticides Accumulation

[ISPEC 9th International Conference on Agriculture, Animal Sciences and Rural Development](#)

Oral presentation | March 19-20, 2022 | Burdur, Turkey & online

Poster presentations in conferences

Isabel Seguro, Cristina Delerue-Matos, João G. Pacheco

Design of paper-based electrochemical sensors with molecularly imprinted polymers for selective omeprazole detection in water

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Poster presentation | November 19-21, 2025 | Porto, Portugal

Inês Martins, Isabel Seguro, Patrícia Rebelo, Ivan Veloso, M. Natália D.S. Cordeiro, Henri P.A. Nouws, Cristina Delerue-Matos, João G. Pacheco

Inkjet-printed paper-based electrode modified with a molecularly imprinted polymer for the voltammetric detection of venlafaxine

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Poster presentation | November 19-21, 2025 | Porto, Portugal

Antón Puga, Manuela Moreira, Cristina Soares, Cristina Delerue-Matos

Design and evaluation of waste-derived biochar for the treatment of polluted water

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Poster presentation | November 19-21, 2025 | Porto, Portugal

Xoel Álvarez, Isabel Seguro, Verónica Poza-Nogueiras, Marta Pazos, Ángeles Sanromán, Cristina Delerue-Matos, João G. Pacheco

Development of a paper-based electrochemical sensor for the detection of amisulpride in water

[XXVI Meeting of the Portuguese Electrochemical Society](#)

Poster presentation | November 19-21, 2025 | Porto, Portugal

Sílvia D. Martinho, Luís Gonçalves, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Malin Hultberg, Cristina Delerue Matos

Eco-Treatment of Microplastics: Laccase Enzyme-based Biodegradation

[The 2nd International Online Conference on Toxics](#)

Poster presentation | September 8-10, 2025 | online

Ana Rita Alves, Cristina Soares, Sónia Figueiredo, Cristina Delerue-Matos, Antón Puga

A Circular Approach: Utilizing Basil Residue Biochar to Control

[6th Doctoral Congress in Engineering – DCE25](#)

Poster presentation | June 30 – July 1, 2025 | Porto, Portugal

Bárbara Lomba-Fernández, Sílvia D. Martinho, Marta Pazos, Emilio Rosales, Sónia A. Figueiredo, M^a Ángeles Sanromán

Microplastic Degradation Via Peroxymonosulfate Activation: Catalyst Design and Synthesis

[6th Doctoral Congress in Engineering – DCE25](#)

Poster presentation | June 30 – July 1, 2025 | Porto, Portugal

Nuria Bernárdez-Rodas, Emilio Rosales, Marta Pazos, M. Ángeles Sanromán

Enhanced pharmaceutical pollutants removal by electro-assisted adsorption and biosorbent regeneration

[6th Doctoral Congress in Engineering – DCE25](#)

Poster presentation | June 30 – July 1, 2025 | Porto, Portugal

Bárbara Lomba-Fernández, Marta Pazos, Emilio Rosales, M^a Ángeles Sanromán

ZnO/g-C₃N₄ Composites Prepared Via Deep Eutectic Solvents: A Green Strategy for Dye-Contaminated Water Treatment

[6th Doctoral Congress in Engineering – DCE25](#)

Poster presentation | June 30 – July 1, 2025 | Porto, Portugal

Irene García-Fernández, Gemma Gutiérrez, María Matos

Using an oil-water emulsion to remove microplastics from water

[14th International Colloids Conference](#)

Poster presentation | June 15-18, 2025 | San Sebastián, Spain

B. Lomba-Fernández, E. Rosales, M. Pazos, M. A. Sanromán

Synthesis of metal nanocomposites obtained by pyrolysis of ternary deep eutectic solvents for catalytic water treatment applications

[7th International Conference on Environmental Applications of Advanced Oxidation Processes - EAAOP-7](#)

Poster presentation | June 10-13, 2025 | Salerno, Italy

Poster presentations in conferences

N. Bernárdez, E. Rosales, M. Pazos, M.A. Sanromán

Harnessing biochar from forest residues: Advanced adsorption and electrosorption techniques for efficient pollutant removal in water

[7th International Conference on Environmental Applications of Advanced Oxidation Processes - EAAOP-7](#)

Poster presentation | June 10-13, 2025 | Salerno, Italy

Sílvia D. Martinho, Luís Gonçalves, Virgínia Cruz Fernandes, Sónia Figueiredo, Malin Hultberg, Cristina Delerue-Matos

Biodegradation of microplastics: a sustainable approach

[7th Meeting on Medicinal Biotechnology & 3rd Iberian Congress in Medicinal Biotechnology](#)

Poster presentation | May 30, 2025 | Porto, Portugal

M. Cerrato-Álvarez, J.M. Menéndez, Patrícia Rebelo, P. Rioboó-Legaspi, Henri P. A. Nouws, Cristina Delerue-Matos, Estafania Costa-Rama, M. Teresa Fernández-Abedul

Decentralised electroanalysis of emerging contaminants: molecularly imprinted polymer sensor for the selective detection of the antidepressant venlafaxine in water

[Biosensors 2025 - 35th Anniversary World Congress on Biosensors](#)

Poster presentation | May 19-22, 2025 | Lisboa, Portugal

Golovko Oksana, Alberto Celma, Adrià Sunyer-Caldú, Malin Hultberg

How common oyster mushroom can assist in pharmaceutical removal

[SETAC Europe 35th Annual Meeting](#)

Poster presentation | May 11-15, 2025 | Vienna, Austria

Antón Puga, Ana Rita Alves, Verónica Poza-Nogueiras, Cristina Soares, Manuela M. Moreira, Cristina Delerue-Matos

Biochar from Basil Waste: A Sustainable Solution for the Removal of Micropollutants in Water

[9th Portuguese Young Chemists Meeting \(PYChEM\)](#)

Poster presentation | April 28-30, 2025 | Faro, Portugal

S. Duarte, A.V. dos Santos, C. Delerue-Matos, V. C. Fernandes

FTIR Analysis of Microplastics: A Case Study from Pemba Bay Beaches, Mozambique

[Winter School on Contaminants of Emerging Concern \(CECs\) and Disinfection By-Products \(DBPs\): Occurrence, Impact and Elimination](#)

Poster presentation | November 25-26, 2024 | Vila Nova de Gaia, Portugal

S.D. Martinho, M. Freitas, V.C. Fernandes, S.A. Figueiredo, C. Delerue-Matos

Application of Iron Magnetic Nanoparticles for Microplastic Removal from Water

[Winter School on Contaminants of Emerging Concern \(CECs\) and Disinfection By-Products \(DBPs\): Occurrence, Impact and Elimination](#)

Poster presentation | November 25-26, 2024 | Vila Nova de Gaia, Portugal

A. Fdez-Sanromán, A.R. Ozdemir, E. Rosales, A. Sanromán, Y. Budama-Kilinc, M. Pazos

Oxidant Encapsulation: Release and Enhancement of Treatment for Dye-Contaminated Water

[Winter School on Contaminants of Emerging Concern \(CECs\) and Disinfection By-Products \(DBPs\): Occurrence, Impact and Elimination](#)

Poster presentation | November 25-26, 2024 | Vila Nova de Gaia, Portugal

N. Bernárdez, M. Pazos, E. Rosales, M.A. Sanromán

Implementing and Scaling Electrochemical Techniques Integrated with Adsorption Processes for Water Decontamination

[Winter School on Contaminants of Emerging Concern \(CECs\) and Disinfection By-Products \(DBPs\): Occurrence, Impact and Elimination](#)

Poster presentation | November 25-26, 2024 | Vila Nova de Gaia, Portugal

B. Lomba-Fernández, E. Rosales, M. Pazos, M.A. Sanromán

Synthesis of g-C₃N₄/Zn nanocomposites obtained by pyrolysis of deep eutectic solvents and their application as a photocatalyst in the treatment of contaminated water

[Winter School on Contaminants of Emerging Concern \(CECs\) and Disinfection By-Products \(DBPs\): Occurrence, Impact and Elimination](#)

Poster presentation | November 25-26, 2024 | Vila Nova de Gaia, Portugal

Sílvia D. Martinho, Rafaella D. Muscalu, Maria Freitas, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Cristina Delerue-Matos

Assessing the Ecotoxicity Effects of Magnetic Nanoparticles applied for Microplastic Removal

[XXVIII Encontro Galego Português de Química](#)

Poster presentation | November 13-15, 2024 | Vigo, Spain

Poster presentations in conferences

Antón Puga, Verónica Poza-Nogueiras, Cristina Soares, Cristina Delerue-Matos

Removal of a micropollutant model using novel three-electrode cells with advanced oxidation treatments

[XXVIII Encontro Galego Português de Química](#)

Poster presentation | November 13-15, 2024 | Vigo, Spain

Antía Fdez-Sanromán, Bárbara Lomba-Fernández, Marta Pazos, Emilio Rosales, M. Ángeles Sanromán

Versatilidad del Fe-MOF en diversos procesos de oxidación avanzada para la descontaminación y desinfección de aguas

[XXVIII Encontro Galego Português de Química](#)

Poster presentation | November 13-15, 2024 | Vigo, Spain

Nuria Bernárdez, Emilio Rosales, Marta Pazos, M^a Ángeles Sanromán

Evaluation and optimization of a multielectrode system for the treatment of effluents with high organic matter content

[XXVIII Encontro Galego Português de Química](#)

Poster presentation | November 13-15, 2024 | Vigo, Spain

B. Lomba-Fernández, E. Rosales, M. Pazos, M.A. Sanromán

Synthesis of Zn and Fe nanocomposites obtained by pyrolysis of ternary deep eutectic solvents for catalytic water treatment applications

[XXVIII Encontro Galego Português de Química](#)

Poster presentation | November 13-15, 2024 | Vigo, Spain

I. Seguro, I. Martins, J.G. Pacheco, C. Delerue-Matos

Inkjet-printed paper-based devices for Omeprazole detection

[Biosensing Workshop - Towards Future Applications of Bio-Inspired Sensors](#)

Poster presentation | October 22-25, 2024 | Sitges, Spain

A.M Díez, M. Pazos, M.A. Sanromán

Adsorption coupled to AOPs to have a quick and definitive elimination treatment of pharmaceuticals from real wastewaters

[6th CIPOA - VI Iberoamerican Conference on Advanced Oxidation Technologies](#)

Poster presentation | October 7-10, 2024 | Florianópolis, Brazil

A. Fdez-Sanroman, D. Terron, B. Lomba-Fernández, E. Rosales, M.A. Sanromán, M. Pazos

Bimetallic Metal-Organic Frameworks: Efficient Catalysts for Water Disinfection via Advanced Oxidation Processes

[XII International Symposium on Environmental Engineering \(SIDISA2024\)](#)

Poster presentation | October 1-4, 2024 | Palermo, Italy

A. Fdez-Sanroman, N. Bermudez, B. Lomba-Fernández, A. Díez; E. Rosales, M.A. Sanromán, M. Pazos

Enhancing pollutant adsorption and adsorbent regeneration via Electro- or Photochemical integration

[XII International Symposium on Environmental Engineering \(SIDISA2024\)](#)

Poster presentation | October 1-4, 2024 | Palermo, Italy

M. Cerrato-Álvarez, P. Rioboó Legaspi, E. Costa-Rama, M.T. Fernández-Abedul

Carbon nanotube-modified graphite pencil leads as electrodes in a miniaturized platform for determining venlafaxine

[XI International Congress on Analytical Nanoscience and Nanotechnology \(XI NyNA 2024\)](#)

Poster presentation | September 3-6, 2024 | Santiago de Compostela, Spain

S. Caruncho-Pérez, A. Prado-Comesaña, M. Ignacio-Meijoeiro, D. Terrón, M. Pazos, M. A. Sanromán, E. González-Romero

Nanostructures as electrochemical transducers for the voltammetric analysis of antipsychotics

[XI International Congress on Analytical Nanoscience and Nanotechnology \(XI NyNA 2024\)](#)

Poster presentation | September 3-6, 2024 | Santiago de Compostela, Spain

Anton Puga, Cristina Soares, Manuela M. Moreira, Marta Pazos, María Ángeles Sanromán, Cristina Delerue-Matos

Three-dimensional electrochemical process for degradation of pharmaceutical products from wastewaters

[Ciência 2024 - Encontro com a Ciência e a Tecnologia em Portugal](#)

Poster presentation | July 3-5, 2024 | Porto, Portugal

Poster presentations in conferences

Sílvia D. Martinho, Virgínia Cruz Fernandes, Sónia A. Figueiredo, Cristina Delerue-Matos

Adsorption study of pesticides onto pristine and aged microplastics

[Ciência 2024 - Encontro com a Ciência e a Tecnologia em Portugal](#)

Poster presentation | July 3-5, 2024 | Porto, Portugal

Raul Garzón-Vidueira, Virgínia Cruz Fernandes, D. Rede, R. Rial-Otero, C. Delerue-Matos

Exploring various vegetable oils for microplastics removal from water, coupled with raman spectroscopy identification

[Ciência 2024 - Encontro com a Ciência e a Tecnologia em Portugal](#)

Poster presentation | July 3-5, 2024 | Porto, Portugal

S. Duarte, A. V. dos Santos, C. Delerue-Matos, V. C. Fernandes

Identification of microplastics with adsorbed contaminants using FTIR: A case study from Nacala-Porto beaches, Mozambique

[Ciência 2024 - Encontro com a Ciência e a Tecnologia em Portugal](#)

Poster presentation | July 3-5, 2024 | Porto, Portugal

V. Poza-Nogueiras, A. Giráldez, A.M. Díez, M. Pazos, M.A. Sanromán

Eliminación de fármacos presentes en aguas utilizando piel de plátano

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

N. Bernárdez, M. Pazos, E. Rosales, M.A. Sanromán

Aplicación y escalado de Procesos de Oxidación Avanzada combinados con técnicas de adsorción

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

B. Lomba-Fernández, A. Fdez-Santomán, E. Rosales, M. Pazos, M.A. Sanromán

Síntesis de nanofibras mediante electrospinning y su aplicación en el tratamiento de aguas contaminadas con fármacos

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

A. Fdez-Sanromán, B. Lomba-Fernández, M.A. Sanromán, M. Pazos, E. Rosales

Optimización de Fotocatalizadores de Nitrógeno de Carbono Gráfico para la Eliminación de Contaminantes Coloreados en Agua

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

A.M. Díez, N. Iberache, M. Pazos, M.A. Sanromán

Optimizando el proceso Foto-Fenton: funcionalización de g-C₃N₄ con partículas nano cero valentes de MnFe

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

I. García, J.F. Reynes, G. Gutiérrez, M. Matos, F. García, S. Luque

Síntesis de aguas modelo conteniendo micro y nanoplasticos

[META 2024: XV Congreso Español de Tratamiento de Aguas](#)

Poster presentation | June 19-21, 2024 | A Coruña, Spain

Anton Puga, Cristina Soares, Ana Cruz del Álamo, María Isabel Pariente, Raúl Molina, Fernando Martínez, María Ángeles Sanromán, Marta M. Pazos, Cristina Delerue-Matos

A perovskite-based three-dimensional particulate electrode for water

[XII Encontro da Divisão de Catálise e Materiais Porosos \(XII ENCMP\)](#)

Poster presentation | June 6-7, 2024 | Coimbra, Portugal

Maria Cerrato-Alvarez, Pablo Rioboó-Legaspi, Estefania Costa-Rama, M. Teresa Fernández-Abedul

A home-made electrochemical cell for venlafaxine determination in wastewaters

[36th Topical meeting of the international society of electrochemistry \(ISE\)](#)

Poster presentation | May 26-29, 2024 | Šibenik, Croatia

Poster presentations in conferences

Oksana Golovko, Malin Hultberg

Fungal Biomass in Wastewater: a Strategy for Pharmaceutical Removal

[SETAC Europe 34th Annual Meeting](#)

Poster presentation | May 5-9, 2024 | Seville, Spain

Isabel Seguro, João G. Pacheco, Cristina Delerue-Matos

Printed electronics on paper-based platforms for electrochemical detection of pharmaceuticals

[Analítica 2024 - 11th Meeting of the SPQ Analytical Chemistry Division](#)

Poster presentation | March 25-26, 2024 | Porto, Portugal

Maria Cerrato-Alvarez, Pablo Rioboó-Legaspi, Estefania Costa-Rama, M. Teresa Fernández-Abedul

Floating electrochemical platform based on pencil leads for the determination of venlafaxine in inland waters

[II PhD Multidisciplinary Chemical Congress](#)

Poster presentation | March 14-15, 2024 | Gijón, Spain

I. García, J.F. Reynes, G. Gutiérrez, M. Matos, F. García, S. Luque

Nanoplastics obtention by mechanochemical degradation

[II PhD Multidisciplinary Chemical Congress](#)

Poster presentation | March 14-15, 2024 | Gijón, Spain

Verónica Poza-Nogueiras, Ana Casanova, Marta Pazos, Conchi O. Ania, M. Ángeles Sanromán

Exploring the use of carbon gels in the treatment of polluted water

[XXVII Encontro Luso Galego de Química](#)

Poster presentation | November 22-24, 2023 | Porto, Portugal

Sergio Fernández-Davila, Mario Rúa-Pereira, M. Angeles Sanromán, Emilio Rosales

Conversion of Agroindustrial Wastes into Low-Cost Adsorbents for Efficient Organic Pollutant Removal by Hydrothermal Carbonization

[XXVII Encontro Luso Galego de Química](#)

Poster presentation | November 22-24, 2023 | Porto, Portugal

Diana Rede, Rui Vilarinho, J. Agostinho Moreira, Cristina Delerue-Matos, Virgínia Cruz Fernandes

Raman Spectroscopy: a Tool for Investigating Microplastic Aging in the Environment

[XXVII Encontro Luso Galego de Química](#)

Poster presentation | November 22-24, 2023 | Porto, Portugal

I. Seguro, J.G. Pacheco, C. Delerue-Matos

Electrochemical Sensor for Benserazide: Molecularly Imprinted Polymer on a Paper-based Platform

[Sensors 2023](#)

Poster presentation | October 25-27, 2023 | Albufeira, Portugal

M. Sousa, R. Pinto, A.P. Carvalho, L. Guimarães, L. Oliva-Teles

Diatom taxonomic identification in the Lima River Estuary

[Blue Think Conference 2023](#)

Poster presentation | September 13, 2023 | Matosinhos, Portugal

R. Pinto, R. Vilarinho, A.P. Carvalho, J. Agostinho, L. Guimarães, L. Oliva-Teles

Raman spectroscopy applied to diatoms as an alternative to conventional water quality assessment

[Blue Think Conference 2023](#)

Poster presentation | September 13, 2023 | Matosinhos, Portugal

A. Fdez-Sanromán, B. Lomba-Fernández, M. Pazos, E., Rosales, M.A. Sanromán

Influence of FeCu-MOF morphologies on peroxymonosulfate activation for Rhodamine B degradation

[14th International Chemical and Biological Engineering Conference - CHEMPOR 2023](#)

Poster presentation | September 12-15, 2023 | Bragança, Portugal

Poster presentations in conferences

B. Lomba-Fernández, A. Fdez-Sanromán, M. Pazos, E. Rosales, M.A. Sanromán

Application of different CuFe-MOFs for reduction of the environmental and sanitary impact of hospital effluents

[14th International Chemical and Biological Engineering Conference - CHEMPOR 2023](#)

Poster presentation | September 12-15, 2023 | Bragança, Portugal

R. Garzón-Vidueira, V. Cruz Fernandes, D. Rede, R. Rial-Otero, C. Delerue-Matos

Separation and identification of microplastics from water samples

[Ciência 2023 - Encontro com a Ciência e a Tecnologia - Ciência e Oceano para Além do Horizonte](#)

Poster presentation | July 5-7, 2023 | Aveiro, Portugal

R. Pinto, R. Vilarinho, A.P. Carvalho, J. Agostinho, L. Guimarães, L. Oliva-Teles

Potential of Raman Spectroscopy for Environmental diagnosis using diatoms

[Ciência 2023 - Encontro com a Ciência e a Tecnologia - Ciência e Oceano para Além do Horizonte](#)

Poster presentation | July 5-7, 2023 | Aveiro, Portugal

M. Sousa, R. Pinto, A.P. Carvalho, L. Guimarães, L. Oliva-Teles

Diversity of Saltmarsh Diatom Communities in the Lima River Estuary

[Ciência 2023 - Encontro com a Ciência e a Tecnologia - Ciência e Oceano para Além do Horizonte](#)

Poster presentation | July 5-7, 2023 | Aveiro, Portugal

I.O. Abreu, C. Teixeira, R. Vilarinho, A.C.S. Rocha, J.A. Moreira, L. Oliva-Teles, L. Guimarães, A.P. Carvalho

Comparative Spectral Signatures of Zebrafish Organs

[Ciência 2023 - Encontro com a Ciência e a Tecnologia - Ciência e Oceano para Além do Horizonte](#)

Poster presentation | July 5-7, 2023 | Aveiro, Portugal

P. Rodrigues, L. Guimarães, A.P. Carvalho, L. Oliva-Teles

Evaluation of the hazardous effects of pharmaceuticals impacting the neuroendocrine system

[Ciência 2023 - Encontro com a Ciência e a Tecnologia - Ciência e Oceano para Além do Horizonte](#)

Poster presentation | July 5-7, 2023 | Aveiro, Portugal

B. Lomba-Fernández, N. Bernárdez, E. Rosales, M. Pazos, M.A. Sanromán

Optimización de parámetros, diseño y escalado de un reactor para tratamiento electro-Fenton de contaminantes recalcitrantes

[XLIII Reunión del Grupo Especializado de Electroquímica de la RSEQ - GERSEQ43](#)

Poster presentation | July 3-5, 2023 | Ciudad Real, Spain

María Cerrato-Álvarez, Javier Menéndez-Menéndez, Pablo Rioboó-Legaspi, Estefanía Costa-Rama, M. Teresa Fernández-Abedul

Electrochemical molecularly imprinted polymer sensor for selective determination of emerging contaminants in water

[II Reunión Científica del Grupo de Ciencia y Tecnologías \(Bio\)Analíticas - GCTbA2023](#)

Poster presentation | June 27-28, 2023 | Zaragoza, Spain

M. Sousa, R. Pinto, A.P. Carvalho, L. Guimarães, L. Oliva-Teles

Community Composition of saltmarsh diatoms in the Lima River Estuary

[OCEAN3R Final Workshop and meeting](#)

Poster presentation | June 27, 2023 | Matosinhos, Portugal

R. Pinto, R. Vilarinho, A.P. Carvalho, J. Agostinho, L. Guimarães, L. Oliva-Teles

Water Quality assessment using Raman Spectroscopy applied to Diatoms

[OCEAN3R Final Workshop and meeting](#)

Poster presentation | June 27, 2023 | Matosinhos, Portugal

I. Abreu, C. Teixeira, R. Vilarinho, A.C.S. Rocha, J.A. Moreira, L. Oliva-Teles, L. Guimarães, A.P. Carvalho

Baseline Spectral fingerprints of zebrafish organs

[OCEAN3R Final Workshop and meeting](#)

Poster presentation | June 27, 2023 | Matosinhos, Portugal

Poster presentations in conferences

C. Teixeira, L. Oberforder, A.P. Silva, C. Gravato, L. Oliva-Teles, A.P. Carvalho, R. Hornek-Gausterer, L. Guimarães

Effects of bis (4-chlorophenyl) sulfone (BCPS) on *Chironomus riparius* at low environmental levels

[OCEAN3R Final Workshop and meeting](#)

Poster presentation | June 27, 2023 | Matosinhos, Portugal

Maria Cerrato-Alvarez, Pablo Rioboó-Legaspi, Estefania Costa-Rama, M. Teresa Fernández-Abedul

Electroanalytical platform based on pencil graphite electrodes for detecting antidepressant drugs in inland waters

[XXXIX Reunión Bienal de la Real Sociedad Española de Química](#)

Poster presentation | June 25-29, 2023 | Zaragoza, Spain

V. Poza-Nogueiras, J.G. Pacheco, C. Delerue-Matos

Towards the development of a simple molecularly imprinted electrochemical sensor for the detection of carbamazepine

[5th Doctoral Congress in Engineering - DCE23](#)

Poster presentation | June 15-16, 2023 | Porto, Portugal

B. Lomba-Fernández, A. Fdez-Sanromán, M. Pazos, E. Rosales, M.A. Sanromán

Development of different CuFe-MOF/PMS systems for selective treatment of wastewater pollutants

[5th Doctoral Congress in Engineering - DCE23](#)

Poster presentation | June 15-16, 2023 | Porto, Portugal

N. Bernárdez, E. Rosales, M. Pazos, M.A. Sanromán

Adsorption capacity of two synthesized biochars and their application in pharmaceuticals removal

[5th Doctoral Congress in Engineering - DCE23](#)

Poster presentation | June 15-16, 2023 | Porto, Portugal

V. Poza-Nogueiras, N. Bernárdez, B. Lomba-Fernández, M. Pazos, M.A. Sanromán

Combined adsorption and electrochemical treatments for the remediation of water containing sulfamethoxazole

[5th Doctoral Congress in Engineering - DCE23](#)

Poster presentation | June 15-16, 2023 | Porto, Portugal

S.D. Martinho, V.C. Fernandes, S.A. Figueiredo, R. Vilarinho, J.A. Moreira, Cristina Delerue-Matos

Microplastic aging in freshwater and marine ecosystems

[2nd International Conference on Sustainable Chemical and Environmental Engineering – SustEng 2023](#)

Poster presentation | June 14-18, 2023 | Limassol, Cyprus

Maria Cerrato-Álvarez, Pablo Rioboó-Legaspi, Estefanía Costa-Rama, M. Teresa Fernández-Abedul

Towards a floating electroanalytical platform to determine pharmaceuticals in inland waters

[Biosensors 2023 - 33rd Anniversary World Congress on Biosensors](#)

Poster presentation | June 5-8, 2023 | Busan, Korea

Oksana Golovko, Malin Hultberg

Green Bioremediation with White-Rot Fungi

[SETAC Europe 33rd Annual Meeting](#)

Poster presentation | April 30 - May 4, 2023 | Dublin, Ireland

S. Martinho, V. Cruz Fernandes, S.A. Figueiredo, C. Deleure-Matos

Study of the potential accumulation of pesticides in microplastics

[1st International Conference on Sustainable Chemical and Environmental Engineering - SustEng 2022](#)

Poster presentation | August 31 - September 4, 2022 | Rethymno, Crete, Greece