BIO energy & economy
INTERNATIONAL
Conference (IBBC2026)

International Conference on Bioenergy & Bioeconomy (IBBC 2026)

Poster Session

University of Seville, Spain | 28-30 October 2026

INSTITUTE OF BIOREFINERIES RESEARCH

Grupo bioenergía — Departamento Ingeniería Química y Ambiental

www.ibbce.com

POSTER SESSION

Day 1 – 28 October 2026 · Poster Session: From 18:30 onwards

Day 2 – 29 October 2026 · Poster Session: 16:00–17:30

Poster ID	Abstract ID	Title	Authors	Speaker
P1	IBBCE-2026-A0048	Seed to Fuel Initiative: Evaluating Moringa oleifera as a Sustainable Feedstock for Biodiesel and Aviation Biofuels	Avni Gupta, Richard Webster, Baoxiu Qi, Vineet Munjal, Rachael Catherine Symonds	**Avni Gupta, Liverpool John Moores University, United Kingdom**
P2	IBBCE-2026-A0059	Comprehensive Profiling of Extractable Lipophilic Constituents in Potato Peel Waste: A Basis for Future Biorefinery Applications	Jorge Rencoret, Susana Guzmán-Puyol, José J. Benítez, José A. Heredia-Guerrero, José C. del Río	**Jose C. del Rio, IRNAS-CSIC, Spain**
P3	IBBCE-2026-A0064	Structural Characterization of Tricin-Enriched Lignin in Two Triticale Hybrid Cereal Straw Varieties	David Martín-Alvarado, Javier Benito, Francisco Barro, José C. del Río, Jorge Rencoret	**David Martín Alvarado, IRNAS-CSIC, Spain**
P4	IBBCE-2026-A0066	Effect of Autohydrolysis Pretreatment on Kraft Pulping Performance and Nanocellulose Production from *Eucalyptus urograndis*	Lozano-Calvo, S, Loaiza, J.M., García, M.T., Fernandez, M., Lopez, F., García, J.C	**Juan Carlos García Domínguez, University of Huelva, Spain**
P5	IBBCE-2026-A0069	Mechanochemical Oxidation of Chitosan to Enhance Proton Conduction for Proton-Exchange Membrane Applications	B. Pascual-Jose, X. Erdocia, J. Labidi	**Borja Pascual José, University of the Basque Country, Spain**
P6	IBBCE-2026-A0073	Decentralized Phosphorus Recovery from Source-Separated Urine via Struvite Precipitation Using Industrial Bittern	Amélia Bastos, Miguel Nogueira, António Guerreiro de Brito, Rita Fragoso	**Miguel Nogueira, University of Lisbon, Portugal**
P7	IBBCE-2026-A0074	Green Strategies for Extraction of Bioactives and Biopolymers from Algal and Agroforestry Biomass	Liyané Veitía, Sheyma Inoubli, Fran Díaz-Seoane, Anna Kuznetsova, Luana Granja, María Dolores Torres, Herminia Domínguez	**Liyané Veitía de Armas, University of Vigo, Spain**
P8	IBBCE-2026-A0080	Hydrothermal Treatment of Wine Industry Waste: Conventional vs. Microwave Heating	Herrera-González Antonio Jesús, Frecha Ferreiro Esther, Pinilla Ibarz José Luis, Suelves, Laiglesia Isabel, Arcelus-Arrillaga Pedro	**Antonio Jesús Herrera González, Institute of Carbochemistry (ICB), Spain**
P9	IBBCE-2026-A0096	Short-Chain Fatty Acids Production from Exhausted Sugar Beet Pulp: Influence of Temperature Range, Hydraulic Retention Time, and pH on Yields	Xiomara Gómez-Quiroga, Carlos J. Álvarez-Gallego, Ana Blandino, Luis I. Romero- García	**Xiomara Gómez Quiroga, University of Cadiz, Spain**
P10	IBBCE-2026-A0111	Assessing Oxygen-Limiting Fermentation Conditions for 2,3-Butanediol Production with Paenibacillus polymyxa Using Agroindustrial Hydrolysates	María Garay, Carlos Silvestre, Pau San-Valero, Carmen Gabaldón, Javier Álvarez-Hornos	**María Paula Garay Jácome, University of Valencia, Spain**
P11	IBBCE-2026-A0141	Potential of Juvenile Eucalyptus Globulus as a Feedstock for Biochar Production	Cuesta-Rubio, L.C., Pérez, S., Fernández, I. , Coz, A. , Fernández-Ferreras, J.	**Alberto Coz, University of Cantabria, Spain**

Poster ID	Abstract ID	Title	Authors	Speaker
P12	IBBCE-2026-A0125	Valorization of Cocoa (Theobroma cacao) By-Products: Optimizing Microwave-Assisted Extraction of Bioactive Compounds	Esther Trigueros, Alonso Magdaleno-Gómez, M Teresa García-Cubero, Susana Lucas, Mónica Coca	**Esther Trigueros Andrés, University of Valladolid, Spain**
P13	IBBCE-2026-A0159	Characterization and Gelation of Coffee Grounds and Coffee Silverskin toward Ionogel Formation	Adrián Zapatero, Victoria Rigual, Sara Mateo, Juan Carlos Domínguez, Virginia Alonso, Mercedes Oliet	**Mercedes Oliet Pala, Complutense University of Madrid, Spain**
P14	IBBCE-2026-A0168	Concentration of Antioxidant and Antidiabetic Compounds from Guava Leaves by Nanofiltration Membranes	María José Aznar-Ramos, Vito Verardo, Ana María Gómez-Caravaca, Javier Miguel Ochando-Pulido	**Javier Miguel Ochando Pulido, University of Granada, Spain**
P15	IBBCE-2026-A0213	Integrated Conversion of Lignocellulosic Biomass into Microbial Oils via Fermentation Processes	Vicente, J., del Amo, J.1Izarra, I., Pinar, F.J. , Arriaga, M., Villaseñor, J. & Mena, J.	**Javier Vicente Hernández, IRIAF-CLAMBER, Spain**
P16	IBBCE-2026-A0220	BIOFORAN Project: Utilization of Forest Biomass in Andalusia. Progress Towards a Circular Bioeconomy	Maria del Mar Contreras, Juan Carlos López-Linares, Irene Gómez-Cruz, Ángel Galán-Martín, Manuel Moya, Inmaculada Romero, Eulogio Castro	**María del Mar Contreras, University of Jaén, Spain**
P17	IBBCE-2026-A0227	Coupling Copper Mobilisation and Methane Production in Olive Leaf Biomass: Implications for Circular Biorefinery Design	Víctor M. Ramos-Muñoz, Fernando G. Fermoso, Guillermo Rodríguez-Gutiérrez	**Victor Manuel Ramos Muñoz, Spanish National Research Council (CSIC), Spain**
P18	IBBCE-2026-A0232	AG-POWER: Unlocking the Value of Agricultural Residues Through Renewable Energy and Biochar Production	Cecilia Mateos-Pedrero, Margarida Santos, Dora Almeida, Paulo Brito, Catarina Nobre	**Cecilia Mateos-Pedrero, Portalegre Polytechnic University, Portugal**
P19	IBBCE-2026-A0259	Anaerobic Digestion of Antibiotic Solution of Amoxicillin/Clavulanic Acid	María J. San José, Raquel López, Sonia Alvarez	**Maria J San Jose, University of the Basque Country, Spain**
P20	IBBCE-2026-A0311	Lightsound4bio: Innovative Synergistic Stimuli for Microalgal Cultivation and Biomass Valorisation: Integrating Light, Acoustics, and AI-Driven Process Optimisation	Carolina Maia, Sara Sousa, Eva Salgado, Fernando Martins, Tânia Tavares, José C.Pires, Ana F. Esteves	**Ana F. Esteves, University of Porto, Portugal**
P21	IBBCE-2026-A0317	Vinasse Upcycling: High-Lipid Yeast Immobilization in Fungal Scaffolds for Fat-Rich Mycoprotein Composites	Francisco José Martín-García, Raquel Muñoz-Castells, Andrea Torres-Philpott, Andrew J. Gravelle2, Nitin Nitin, Julien Delarue, Jaime Moreno-García	**Jaime Moreno-García, University of Córdoba, Spain**
P22	IBBCE-2026-A0199	Steam Explosion Pretreatment and Co-Digestion Strategies to Enhance Methane Production from MDF Manufacturing Residues	Irene Izarra, Marta Arriaga, J.Del Amo, F. Javier Pinar, Javier Mena	**Irene Izarra Pérez, CLAMBER R&D Biorefinery, Spain**
P23	IBBCE-2026-A0088	Cascade Biorefinery for the Recovery of Exhausted Sugar Beet Pulp: Production of Enzymes, Volatile Fatty Acids, and Biohydrogen	Ana Blandino, Cristina Marzo-Gago, Kaoutar Aboudi, Xiomara Gómez-Quiroga, Ana B. Díaz, Luis I. Romero-García	**Ana Blandino, University of Cádiz, Spain**

Poster ID	Abstract ID	Title	Authors	Speaker
P24	IBBCE-2026-A0210	Techno-Economic and Environmental Assessment of Landfill Biogas Upgrading to Formic Acid: A Simulation-Based Approach	Domingo Cabrera-Gallardo, Inmaculada Mula-Pérez, Maria Camila Quintero-Quintana, Mónica Rodríguez-Galán, Francisco Manuel Baena-Moreno, Fernando Vidal-Barrero	**Domingo Cabrera-Gallardo, University of Seville, Spain**
P25	IBBCE-2026-A0281	Biorefinery Valorisation of Spent Coffee Grounds in the EU: A Review of Its Potential for First- and Second-Generation Biofuels and Biogas	S. Bartha, G. Ribeiro, P. L. Martins, R. Fragoso, C. Oliveira, F. Carvalheiro, L.C. Duarte, N. Antal	**Bartha Sandor, Babeș-Bolyai University, Romania**
P26	IBBCE-2026-A0019	Integrated Valorization of Olive Tree Pruning for Bioethanol Production and Lignin Recovery in a Second-Generation Biorefinery	Irene Gómez-Cruz, Hamidreza Moradi, Juan Miguel Romero-García, María del Mar Contreras, Eulogio Castro	**Irene Gómez-Cruz, University of Jaén, Spain**
P27	IBBCE-2026-A0056	Systematic Evaluation of Batch Hexane Extraction as a Scalable Pretreatment for the Comprehensive Valorization of Spent Coffee Grounds	Jorge F. Romero, Alberto Tampieri, Daniel Montané, Magdalena Constantí, Francesc Medina	**Jorge F. Romero, University of Rovira i Virgili, Spain**
P28	IBBCE-2026-A0060	Green Extraction of Tricin from Rye Straw Using Deep Eutectic Solvents	Jorge Rencoret, Javier Benito, Raquel Cañadas, Francisco Barro, Ana Gutiérrez, André M. da Costa Lopes, Nalin Seixas, Sonia A.O. Santos, Armando J.D. Silvestre, José C. del Río	**Jorge Rencoret, IRNAS, CSIC, Spain**
P29	IBBCE-2026-A0063	Auto-Catalyzed Hydrothermal Pretreatment of Subcritical-Water Extracted Jerusalem Artichoke Stalks for the Production of Fermentable Sugars and Antioxidants	Gianfrancesco Russo, Luis A. Romero-Soto, Knut O. Strætkvern, Andrea Nicolini, Carlos Martín	**Carlos Martín Medina, University of Inland Norway, Norway**
P30	IBBCE-2026-A0065	Evaluation of Betaine-Based Deep Eutectic Solvents for the Valorization of Vine Shoots	Camila C. Muñoz-Realpe, Carolina Costa, Ana Rita Jesus, María del Mar Contreras, Inmaculada Romero, Eulogio Castro, Ana Rita C. Duarte, Alexandre Paiva	**Inmaculada Romero Pulido, University of Jaén, Spain**
P31	IBBCE-2026-A0083	Forest-Biomass Ashes Valorization Through Mineral Carbonation for Carbon Storage	Miriam Domingues, João Roberto F. S, João P. Pereira, Durães L., José B. Ribeiro	**João Roberto Fernandes Santos, University of Coimbra, Portugal**
P32	IBBCE-2026-A0104	On the Quest to Extract the RuBisCo Protein: Post-Harvest Processing and Cavitation Disruption of Green Leaves of Jerusalem Artichoke (Helianthus tuberosus L.)	Knut O. Strætkvern, Prabhat Paudel, Ole S. Lodsby, Einar J. Oltedal, and Hans Chr. Endrerud	**Knut Olav Strætkvern, University of Inland Norway, Norway**
P33	IBBCE-2026-A0138	CFD Analysis of Hydrogen-Enriched Combustion in a Non-Premixed Burner	Marina A. Pavón Tapia, Celia Tena Pintado, Sergio Rodríguez Aparicio, Juan Félix González González	**Marina A. Pavón Tapia, University of Extremadura, Spain**
P34	IBBCE-2026-A0145	Effective Sugar Recovery from Dehesa Pruning Residues Within a Bioprocessing Perspective	Antonio David Moreno, Cristina Álvarez, Ignacio Ballesteros, María José Negro, Alberto González, María del Prado García-Aparicio	**David Moreno, CIEMAT, Spain**

Poster ID	Abstract ID	Title	Authors	Speaker
P35	IBBCE-2026-A0174	Microwave Assisted Autohydrolysis of Acacia dealbata for Energy Efficient Xylooligosaccharide Recovery and Bioethanol Production	Álvaro Rodríguez-Lobato, Beatriz Gullón, Pablo G. del Río, Andrés Moure, Gil Garrote	**Gil Garrote Velasco, University of Vigo, Spain**
P36	IBBCE-2026-A0193	Single-Step Selective Fractionation of Vine Pruning Residue by Deep Eutectic Solvents for Bioethanol, Lactic Acid and Furfural Production	Alba Pérez-Pérez, Beatriz Gullón, Pablo G. Del-Río	**Pablo García del Río, University of Vigo, Spain**
P37	IBBCE-2026-A0195	Multiproduct Biorefinery of Fucus vesiculosus via Microwave-Assisted Autohydrolysis	Milena Álvarez-Viñas, Beatriz Gullón, Pablo G. Del-Río	**Milena Álvarez Viñas, University of Vigo, Spain**
P38	IBBCE-2026-A0205	One-Pot Butyl Levulinate Production From Pinus pinaster	Carlos Vila, Remedios Yañez, Jose Luis Alonso	**Jose Luis Alonso González, University of Vigo, Spain**
P39	IBBCE-2026-A0231	Techno-Economic and Environmental Assessment of an Intensified Biorefinery for the Valorization of Litopenaeus vannamei Waste	M. M. de-Souza-Ribeiro, A. Casas González, L. Velasco-Muñoz, S. Rodríguez-Rojo, E. Alonso	**Gloria Esther Alonso Sanchez, University of Valladolid, Spain**
P40	IBBCE-2026-A0238	Feedstock Assessment and Green Extraction for the Cascade Valorization of Agro-Industrial Residues	María del Prado García-Aparicio, Cristina Álvarez, Javier Contreras-García, Alberto González, José Luis Fernández, Ignacio Ballesteros, María José Negro	**María del Prado García Aparicio, CIEMAT, Spain**
P41	IBBCE-2026-A0270	A Low-Energy Hybrid Approach for Efficient Lipid Recovery from Auxenochlorella protothecoides	Emine Erdogan Özseker, Wolfgang Frey, Georg Müller, Christian Gusbeth	**Emine Erdogan Özseker, Karlsruhe Institute of Technology, Germany**
P42	IBBCE-2026-A0309	Wastewater-Assisted Autohydrolysis of Lignocellulosic Biomass as a Platform for Integrated Biorefinery Valorization	Igor Sampaio, Isabela de Moura, Helen Ambrósio, Eliézer Espírito Santo, Taise Ribeiro, Marcia Gonçalves, Bruna de Jesus, Héctor Ruiz, Marcelo Franco	**Igor Carvalho Fontes Sampaio, State University of Santa Cruz, Brazil**
P43	IBBCE-2026-A0230	Biorefining of Industrial Bark Through Green Extraction and Bioconversion	Marco Bassani, Leif J. Jönsson	**Marco Bassani, Umeå University, Sweden**
P44	IBBCE-2026-A0290	Rapid Chromatographic Quantification of Biomass-Derived Acid-Soluble Phenolic Compounds	Pedro L. Martins, I. Vanmira Van-Dúnen, Iván Costa-Trigo, Luísa Roseiro, Florbela Carvalheiro, Luís C. Duarte	**Pedro L. Martins, LNEG, Portugal**
P45	IBBCE-2026-A0089	Optimizing Caproic Acid Production Through Ethanol-to-VFA Ratio Tuning in Clostridium kluyveri Cultures	A. Romero-Vargas, A. Blandino, L.I. Romero-García	**Ana Blandino, University of Cádiz, Spain**
P46	IBBCE-2026-A0097	Integration of Dark and Lactic Acid Fermentation in a Cascade Biorefinery Process for the Lactic Acid Production From Sugar Beet Byproducts	Luis A. Fernández-Güelfo, Cristina Marzo-Gago, Vicente Cerrato-Ruiz, Xiomara Gómez-Quiroga, Manuel J. Díaz Villanueva, Ana B. Díaz-Sánchez, Agustín Romero Vargas, Carlos J. Álvarez-Gallego, Ana Blandino, Luis I. Romero-García	**Xiomara Gómez Quiroga, University of Cádiz, Spain**

Poster ID	Abstract ID	Title	Authors	Speaker
P47	IBBCE-2026-A0123	Valorization of Sugar Beet Industry By-Product Mixture Through Enzymatic Hydrolysis for the Generation of Fermentable Sugars	Ana Belén Díaz Sánchez, Manuel J. Díaz Villanueva, Luis A. Fernández Güelfo, Agustín Romero Vargas, Irene Romera González, Maelle Freney, Julia León Mateos, Luis I. Romero García, Ana Blandino Garrido, Carlos J. Álvarez Gallego	**Manuel J. Díaz Villanueva, University of Cádiz, Spain**
P48	IBBCE-2026-A0124	Biochemical Conversion of Sugar Beet Industry Byproducts Into Bioethanol	Manuel J. Díaz Villanueva, Ana Belén Díaz Sánchez, Luis A. Fernández Güelfo, Agustín Romero Vargas, Irene Romera González, Maelle Freney, Julia León Mateos, Luis I. Romero García, Ana Blandino Garrido, Carlos J. Álvarez Gallego	**Manuel J. Díaz Villanueva, University of Cádiz, Spain**
P49	IBBCE-2026-A0134	Integrated Biorefinery of Sunflower Stalks: Comparative Pretreatment and Bioproduct Generation	Cristina Álvarez, Raquel Cañadas, Ana Susmozas, José Miguel Campos-Martín, Alfonso Vidal, Jose Miguel Oliva, Aleta Duque	**Ana Isabel Susmozas Torres, CIEMAT, Spain**
P50	IBBCE-2026-A0149	Biorefinery for Subproduct From Cooperatives: Market Supply, Demand and Feedstock Characterization	Juan Félix González González, Vicente Montes Jiménez, Cristina Hermoso Mendoza, Andrés Álvarez Jiménez, Ana Rey Barroso, Olga Genilloud	**Cristina Hermoso Mendoza, University of Extremadura, Spain**
P51	IBBCE-2026-A0155	Continuous Biocatalytic Ferulic Acid Extraction From Agricultural Residues for Cascading Use of Biomass in a Value-Added Bioeconomy	Philipp Petermeier, Athul Siva Deep, Romana Ruth, Konstanze Madani, Bettina Muster-Slawitsch	**Philipp Petermeier, AEE INTEC, Austria**
P52	IBBCE-2026-A0167	Synergistic Electrochemical Performance and Pollutant Removal in a Biophotovoltaic System With a Five-Strain Defined Consortium	María del Socorro Ramos-Ocampo, Francisco Vera Lopez-Portillo, Sandra Morales-Arrieta, Juan G. Flores-Trujillo, Luis.F. Santis-Espinoza, Dulce M. Arias-Lizárraga	**Dulce M. Arias-Lizárraga, National Autonomous University of Mexico (UNAM), Mexico**
P53	IBBCE-2026-A0182	Production of PHBV From Acidogenic Effluents of Brewer's Spent Grain Using Mixed Microbial Cultures	Laura Ferreiro-Santos, Uxía Fouz-Penas, Christian Kennes, María del Carmen Veiga	**Uxía Fouz Penas, University of A Coruña, Spain**
P54	IBBCE-2026-A0216	Continuous Fast Pyrolysis of Textile Waste in a Fluidized Bed Reactor: Influence of Temperature, Feeding Rate, and Reactive Atmospheres on Product Yields	Lourdes Arjona, Rafael R. Solís, Mónica Calero, M, María Ángeles Martín- Lara, Diego Fuentes-Cano, Alicia Ronda Gálvez	**Alicia Ronda Gálvez, University of Seville, Spain**
P55	IBBCE-2026-A0219	Oxy-Steam Gasification of Mixed Plastic Waste and Biomass Blends for Industrial Defossilization	Matteo di Mattia, Diego Fuentes-Cano, Susanna Nilsson, Pedro García Haro, Alicia Ronda Gálvez	**Alicia Ronda Gálvez, University of Seville, Spain**
P56	IBBCE-2026-A0224	Biotechnological Production and Structural Characterization of a Novel Oligolevan Generated by a Levansucrase Mutant	Maria Elena Rodríguez-Alegría, Alfonso Miranda-Molina, Agustín López-Munguía	**Maria Elena Rodriguez Alegria, National Autonomous University of Mexico, Mexico**
P57	IBBCE-2026-A0240	Olive tree pruning for biohydrogen production via dark fermentation: Mediterranean	J.M. Romero-García, I. Gómez-Cruz, M.C. García Vargas, M. M. Contreras, E. Castro	**Juan Miguel Romero-García, University of Murcia, Spain**

Poster ID	Abstract ID	Title	Authors	Speaker
P58	IBBCE-2026-A0302	Enhanced Curcumin Recovery via Green One-Pot Microwave-Assisted Extraction and Magnetite Nanoparticle Adsorption: Experimental Validation	J. Balasubramanian, Andrew Bacon, Aiden Ewald, Emily Cahill, S. J. J. Titinchi, Zeyad Zeitoun, Mamdouh A. Gadalla, Lizelle Van Dyk, Hany A. Elazab	**Fatma Ashour, Cairo University, Egypt**
P59	IBBCE-2026-A0310	Cascaded Valorization of Autohydrolysis Liquid Streams Through Microalgae Bioprocesses for Biomass and Extracellular Compounds	Isabela Moura, Igor Sampaio, Helen Ambrósio, Márcia Gonçalves, Eliézer do Espírito Santo, Taíse Ribeiro, Stephanie Gillet, Bruna de Jesus, Héctor Ruiz, Paulo Almeida, Marcelo Franco	**Isabela Viana Lopes de Moura, Federal University of Bahia, Brazil**
P60	IBBCE-2026-A0043	Hydrogen-Rich Gas Production Through Oxy-Steam Gasification of Almond Shells in a Bench-Scale Bubbling Fluidized-Bed Reactor	Roque Aguado, Tomás González, María Victoria Gil, Fernando Rubiera, Covadonga Pevida	**Roque Aguado Molina, National Coal Institute - CSIC, Spain**
P61	IBBCE-2026-A0236	From Waste to Solid Fuels: A Comparative Assessment of the Thermal Performance of RDF Pellets and Pyrolysis Char	Margarida Santos, Luís Calado, Cecilia Mateos-Pedrero, Andrei Longo, Margarida Gonçalves, Paulo Brito, Catarina Nobre	**Santa Margarida Santos, NOVA School of Science and Technology, Portugal**
P62	IBBCE-2026-A0258	Divergent Paths to a Green Future: Mapping the Biogas and Biorefinery Innovation Landscapes of Brazil and the European Unionn	Mauro Donizeti Berni, Luiz Gustavo Antonio de Souza, Isabela Minucio Pontes, Walquiria N. Silva, Bruna de Souza Moraes	**Mauro Donizeti Berni, Interdisciplinary Center for Energy Planning Center - NIPE, Brazil**
P63	IBBCE-2026-A0278	Integrated Simulation and Operating Window Analysis of a Multi-Stage Syngas Purification System	Gabriel Talero, Octavio Alves, Bruno Garcia, Gonçalo Lourinho, Joana R. Bernardo	**Gonçalo Lourinho, Collaborative Laboratory for Biorefineries, Portugal**
P64	IBBCE-2026-A0314	Biogas-to-Ammonia: Thermodynamic Trade-Off Assessment in Integrated Autothermal Reforming and Haber-Bosch Synthesis	Ivan Amorim, Cláudio Rocha, Miguel Madeira, Miguel Soria	**Miguel Angel Soria, University of Porto, Portugal**
P65	IBBCE-2026-A0046	Production of 2,3-Butanediol and Acetoin by Bacillus Licheniformis from Sugar Beet Pulp	Juan Carlos López-Linares, Alicia Pérez-Millán, Susana Lucas, Mónica Coca, M. Teresa García-Cubero, Inmaculada Romero, Eulogio Castro	**Juan Carlos López-Linares, University of Jaén, Spain**
P66	IBBCE-2026-A0061	Comparative Study of 2,3-Butanediol Production by Bacillus Licheniformis and Bacillus Amyloliquefaciens from Olive Tree Biomass	Juan Carlos López-Linares, Alicia Pérez-Millán, Carmen Padilla-Rascón, María del Mar Contreras, Susana Lucas, Mónica Coca, M. Teresa García-Cubero, Inmaculada Romero, Eulogio Castro	**Juan Carlos López-Linares, University of Jaén, Spain**
P67	IBBCE-2026-A0251	Oxygen Staging for NOx Reduction During Oxy-Fuel Co-Combustion of Biomass and Coal in a Circulating Fluidized Bed	Wei Li, Shilong Dong	**Wei Li, Chinese Academy of Sciences, China**
P68	IBBCE-2026-A0260	Enhancing Renewable Biodiesel Economics by Retaining Residual Butanol	Lucija Konjević, Mario Pipunić, Fabio Faraguna, Ante Jukić	**Ante Jukić, University of Zagreb, Croatia**
P69	IBBCE-2026-A0262	Parametric Optimization of Biodiesel Production from Groundnut Oil via Alkali-Catalyzed Transesterification	Samuel Ogbonna Enibe	**Samuel Ogbonna Enibe, University of Nigeria, Nigeria**

Poster ID	Abstract ID	Title	Authors	Speaker
P70	IBBCE-2026-A0068	Catalytic Activity of Supported SBA-15 Toward the Biofuels Production via Acetalization of Glycerol: Seeking an Optimal Metal Composition	Yasmin R. Carvalho, Raguel T. Braga, João Pedro S. Nascimento, Alcineia C. Oliveira, Daniel Ballesteros-Plata, Antonia Infantes Molina, Enrique Rodríguez-Castellón	**Enrique Rodríguez-Castellón, University of Málaga, Spain**
P71	IBBCE-2026-A0090	Valorization of Turpentine Oil Over Heterogeneous Catalysts	A. Parreira, P. Mourão, I. Cansado, J. Castanheiro	**José Eduardo Castanheiro, University of Évora, Portugal**
P72	IBBCE-2026-A0148	From Agricultural Waste to Bio-Based Chemicals: Furfural Catalytic Conversion from Sunflower Stalks	Alfonso M. Vidal, Rubén Navas, Inmaculada Romero, Cristóbal Cara, Silvia Morales, Marta Lara, Encarnación Ruiz	**Encarnación Ruiz Ramos, University of Jaén, Spain**
P73	IBBCE-2026-A0189	Corn Cob Processing Using Microwave-Assisted Deep Eutectic Solvent to Develop a Building Block Platform	Maikon Kelbert, Pablo G. del Río, Débora de Oliveira, Aloia Romaní	**Aloia Romaní Pérez, University of Vigo, Spain**
P74	IBBCE-2026-A0190	Valorisation of Grape Pomace for Co-Production of Value-Added Compounds Using Environmentally Friendly Strategies	Cristiana Martins, Alexandre Rubira, Lucília Domingues, Aloia Romaní, Beatriz Gullón	**Aloia Romaní Pérez, University of Vigo, Spain**
P75	IBBCE-2026-A0228	Catalytic Upgrading of Pyrolysis Bio-Oils for Producing Advanced Biofuels	Alejandra Galán Carrasco, José Miguel Campos Martín, Rupali Jha	**Alejandra Galán Carrasco, CSIC, Spain**
P76	IBBCE-2026-A0254	Biocatalytic Synthesis of Chiral Building Block (R)-HBL	Nevena Milčić, Ivana Ćevid, Maja Majerić Elenkov, Zvjezdana Findrik Blažević	**Nevena Milčić, University of Zagreb, Croatia**
P77	IBBCE-2026-A0284	Influence of Support Composition and Ce Promotion on Ni-Based Catalysts for Biogas Reforming	Rebeca Pereira, Miguel Madeira, Miguel Soria	**Miguel Angel Soria, University of Porto, Portugal**
P78	IBBCE-2026-A0020	Techno-Economic Analysis of Organosolv Processing for Cherry Pits Valorization	Juan Carlos Domínguez, Carlos Jonay Martín, Beatriz García-Sánchez, Victoria Rigual, Sara Mateo, M. Virginia Alonso, Mercedes Oliet, Francisco Rodríguez	**Juan Carlos Domínguez Toribio, Complutense University of Madrid, Spain**
P79	IBBCE-2026-A0267	Assessing the Environmental Performance of Thermally Driven CO2 Capture	Leandro Magalhães, Sofia Nunes, Ana Ferreira	**Ana Filipa Ferreira, University of Lisbon, Portugal**
P80	IBBCE-2026-A0319	Thermophilic Anaerobic Co-Digestion of Pig Slurry and Slaughterhouse Wastewater: Performance, Hygienization and Sustainability Assessment	M. Candel, B. Cañadas, J. Fernández-Rodríguez y M. Perez	**Montserrat Perez Garcia, University of Cadiz, Spain**
P81	IBBCE-2026-A0320	Comparative Life Cycle Assessment as a Tool for Antisolvent Selection in Monoethanolammonium Acetate Recovery from Ionosolv Biorefineries	Sara Villarino, Victoria Rigual, Juan C. Domínguez, Julián García, Virginia Alonso, Francisco Rodríguez, Mercedes Oliet	**Juan Carlos García Domínguez, University of Huelva, Spain**
P82	IBBCE-2026-A0072	Co-Digestion Optimization and Logistics Design for an Integrated Campus-Scale Anaerobic Platform	Teresa Neves, Miguel Nogueira, António Guerreiro de Brito, Rita Fragoso	**Miguel Nogueira, ISA-UL, Portugal**

Poster ID	Abstract ID	Title	Authors	Speaker
P83	IBBCE-2026-A0162	Study of Cryogenic-Based Technologies for Biogenic CO2 Capture from Anaerobic Digestion Biogas	Sara S. Tavares, João S. Pereira, José B. Ribeiro, Margarida J. Quina	**Sara Tavares, University of Coimbra, Portugal**
P84	IBBCE-2026-A0177	The Bio-Waste2Carbon project: Decentralised Cryogenic Capture and Valorisation of Biogenic CO2 from Forest Biomass Residues	João S. Pereira, Jorge Frazão, Eliseu Frazão, José B. Ribeiro	**João Silva Pereira, University of Coimbra, Portugal**
P85	IBBCE-2026-A0203	Optimization of Biomass Valorisation Networks for a Climate-Neutral and Sustainable Economy: A Multi-Objective Modelling Approach	Ángel Galán-Martín, Sadiel Martín-González, Duban García, Inmaculada Romero	**Ángel Galán-Martín, University of Jaén, Spain**
P86	IBBCE-2026-A0239	ENCAPTURE: A Modular and Circular Approach to Next-Generation Biofuel Production	Pedro García Haro, Cristina Moliner, Alicia Ronda, Marta Tortajada, Alfonso Martínez-Felipe	**Pedro García Haro, University of Sevilla, Spain**
P87	IBBCE-2026-A0301	Conversion of Maleic Anhydride to Succinic Acid through Novel Green-Hydrogen Generating Flow Reactor and Simulation: Flowsheet Synthesis and Solvent Interactions	Jay Balasubramanian, Ian Kelly, Ibrahim Oluwabukunmi, Henry Small, Zeyad Zeitoun, Mamdouh A. Gadalla, Lizelle Van Dyk, Hany A. Elazab	**Mamdouh Ibrahim, Port Said University, Egypt**
P88	IBBCE-2026-A0157	Artificial Intelligence-Driven Analysis of Emerging Contaminants Removal in Microbial Fuel Cells	Alberto De Ramón Fernández, María José Salar García, Víctor Manuel Ortiz Martínez	**Alberto Antonio De Ramón Fernández, University of Alicante, Spain**
P89	IBBCE-2026-A0164	Digital Component and Interpretable AI for Environment-Based Decision Support in Biomass Valorization	Amaya Saint-Bois, Caroline Sablayrolles, Claire Vialle, Rachid Ouaret, Jean-Pierre Belaud	**Caroline Sablayrolles, University of Toulouse, France**
P90	IBBCE-2026-A0169	A Coupled BioSTEAM–Brightway2 Framework for Process-Based Life Cycle Assessment: Application to Sustainable Aviation Fuel Pathways	Manuel Rodriguez, Igor de las Heras Lopez, Ismael Diaz Moreno	**Manuel Rodriguez, Polytechnic University of Madrid, Spain**