

# 6<sup>TH</sup> WORKSHOP OF SENIOR RESEARCHERS

➤ May 22-23

May 22 - 23

PROGRAMME

# 6<sup>TH</sup> Workshop of Senior Researchers

## May 22

8:50 - 9:00

**Opening**

Marta Liras / Elia Tomás

**Session 1.** Heads of Units. Chairs: Raquel Casasola & David Muñoz Torrero

9:00 - 9:30

**Electrochemical Proceses Unit**

Jesús Palma

9:30 - 10:00

**Photoactivated Processes Unit**

Victor A. de la Peña O'Shea

10:00 - 10:30

**Systems Analysis Unit**

Javier Dufour

10:30 - 11:00

**Biotechnological Processes Unit**

Elia Tomás

11:00 - 11:30

**COFFE BREAK (provided by IMDEA)**

**Session 2.** Senior Researchers. Chairs: Vafa Feyzi & Jennifer Cueto

11:30 - 11:50

**Progress on Redox Flow Batteries**

Rebeca Marcilla

11:50 - 12:10

**Transparent and robust environmental assessment in an emerging (hydrogen) economy**

Diego Iribarren

12:10 - 12:30

**Advances on IMDEA Porous Polymers for Artificial Photosynthesis**

Marta Liras

**May 22**

**12:30 - 12:50**

**Carboxylates Through the Eyes of Tomorrow's Scientists**

Cristina González

**12:50 - 14:30**

**LUNCH (provided by IMDEA)**

**Session 3.** Senior Assistant Researchers. Chairs: Vinicio Rosas & Khaoula Ben Hnich

**14:30 - 14:50**

**Early stage technologies in the field of Electrochemical Energy Storage**

Enrique García Quismondo

**14:50 - 15:10**

**Organic Electrodes From Lab to Market**

Nagaraj Patil

**15:10 - 15:30**

**Advanced Heliostat Facet Characterization Methodology & Tool**

Ricardo Conceicao

**15:30 - 15:50**

**Operando spectroscopic studies of catalysts for water electrolysis**

Freddy Oropeza Palacio

**15:50 - 16:10**

**BREAK**

**Session 4.** Senior Assistant Researchers. Chairs: María del Mar Alonso & Ignacio Lemir

**16:10 - 16:30**

**Aqueous Biphasic Systems In Conventional Redox Flow Batteries**

Vikram Singh

**16:30 - 16:50**

**Electrochemical Impedance Spectroscopy as a powerful tool to investigate photoelectrocatalytic systems**

Miguel García Tecedor

**16:50 - 17:10**

**Battery rate analysis. Why it is so underutilised?**

Sergio Pinilla Yanguas

**17:10 - 17:30**

**The Potential of Hybrid Systems in Photoelectrochemical Solar Energy Conversion**

Mariam Barawi

**May 23**

**Session 1.** Heads of Units. Chairs: Miguel Gómez & Germilly Barreto

<b>9:30 - 10:00</b>	<b>Electrical Systems Unit</b> Milan Prodanovik
<b>10:00- 10:30</b>	<b>Advanced Porous Materials Unit</b> Yolanda Pérez
<b>10:30 - 11:00</b>	<b>High Temperature Processes Unit</b> José González Aguilar
<b>11:00 - 11:30</b>	<b>Thermochemical Procesess Unit</b> Patricia Pizarro
<b>11:30 - 12:00</b>	<b>COFFE BREAK (provided by IMDEA)</b>

**Session 2.** Senior Assistant Researchers. Chairs: Sergio Carrasco & Juan Diego Ríos

<b>12:00 - 12:20</b>	<b>Sustainable Aviation Fuel Precursors from Organic Waste via VFAs Ketonization</b> Inés Moreno
<b>12:20 - 12:40</b>	<b>Functional polyMOFs as antimicrobial agents</b> Catalina Biglione
<b>12:40 - 13:00</b>	<b>Biotechnological Processes Unit / Benefits of embracing and rapidly evolving nature's catalysts</b> Elvira Romero
<b>13:00 - 13:20</b>	<b>Who will ensure the stability of current power systems</b> Javier Roldán
<b>13:20 - 13:40</b>	<b>From Light Alone to Light and Heat in Solar Fuels Production</b> Laura Collado
<b>13:40 - 14:00</b>	<b>AntiCOVID MOFs: unconventional nanoweapon</b> Tania Hidalgo Crespo
	<b>LUNCH (provided by IMDEA)</b>