



Newsletter issue 6

Welcome...

... to the 6th edition of the MeBattery newsletter. 2024 has only just started and the MeBattery consortium has already been extremely active. We are very happy about the release of our MeBattery video clip which has made quite some impact – read more below! In this newsletter, you will also meet our young colleague Gimena Marín Tajadura from Universidad de Burgos and hear about our latest activities in the world of battery enthusiasts. Enjoy the read!

MeBattery releases new insightful video clip



The MeBattery consortium started the new year with finalizing and publishing the new MeBattery clip. The short video presents a compelling mix of animated sequences and real-life footage explaining the concept of the mediated biphasic redox flow battery developed in the project. We are also very honoured that our clip was recently featured on CORDIS, the European Commission's platform providing comprehensive information about EU-funded projects.

[Find the CORDIS article and video clip here.](#)



Meet the MeBattery team: Gimena Marín Tajadura

With this issue, we are introducing **Gimena Marín Tajadura** to you. She is currently doing her PhD at Univesidad de Burgos in the team of Edgar Ventosa and Virginia Ruiz Fernandez, investigating energy storage with redox flow batteries and advanced electrochemical techniques.

She also shares her thoughts about the ecological transition and the potential of new battery types.

Read the full interview on the MeBattery website.

Training on electrochemical characterization at IMDEA



Gimena also recently visited IMDEA Energy to receive training on conventional characterization of solid electroactive materials which are used in redox-mediated flow batteries.

Read more about the visit on our website.

MeBattery engages in EIC initiated activities



Since joining the European Innovation Council's MLDES (Mid to long term and system integrated energy storage) portfolio last year, MeBattery partners have continued to take part in EIC initiated activities by joining an Innovation Training Course and the EIC CleanTech Community of Practices (CoP) Community Building Workshop.

Find out more about these
exciting activities on our website.

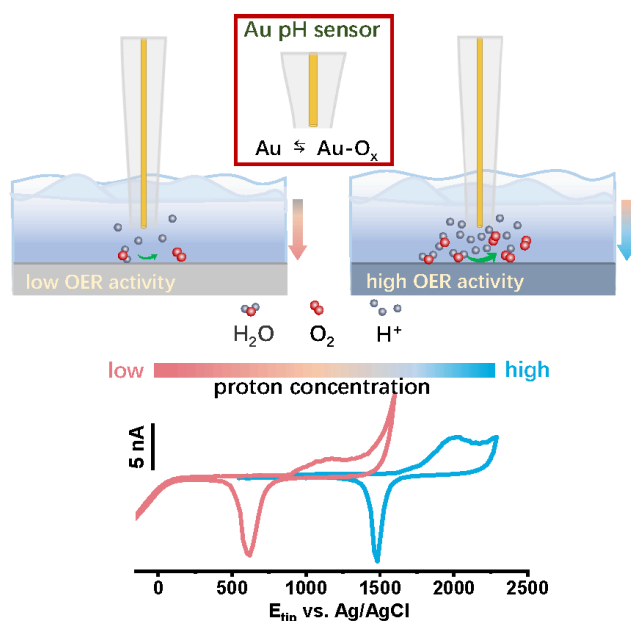
Recap of MATSUS24



With Rebeca Marcilla from IMDEA Energy co-organising the #GENBAT symposium on next-generation battery technologies towards sustainability and Mario Palacios Corella from IST Austria being invited as a speaker to the #BAT symposium - Toward sustainable batteries based on sulfur cathodes, MeBattery made quite a contribution to MATSUS24.

Find the full recap of contributions to MATSUS24 [here](#).

Publication: Au Micro- and Nanoelectrodes as Local Voltammetric pH Sensors During Oxygen Evolution at Electrocatalyst-Modified Electrodes

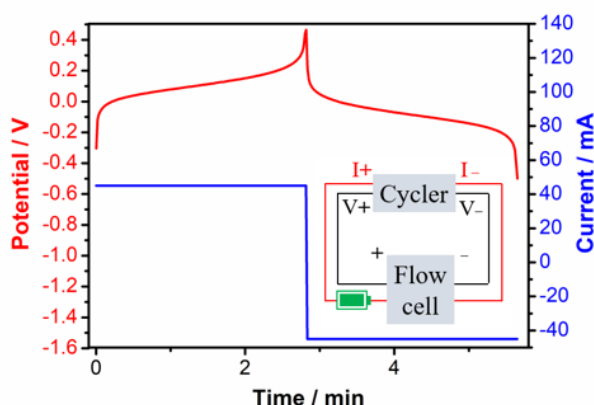


Lejing Li, Ndrina Limani, Rajini P Antony, Stefan Dieckhöfer, Carla Santana Santos, Wolfgang Schuhmann

The scarcity of state-of-the-art oxygen evolution reaction (OER) electrocatalysts has led to intensive research on alternative viable electrocatalytic materials. While activity and cost are the main factors to be sought after, the catalyst stability under harsh acidic conditions is equally crucial.

The full publication is available here.

Publication: Broadening Applicability of the Poor Academic's Method for Reversing Polarity in Redox Flow Cell Cycling



Gimena Marin-Tajadura, Eduardo Sánchez-Díez, Virginia Ruiz, Edgar Ventosa

The use of symmetrical cells is becoming popular for the search of new electroactive materials in redox flow batteries. Unfortunately, low-cost battery cyclers, commonly used for electrochemical battery testing, are not compatible with symmetrical cells since they usually cannot apply negative bias voltages needed for symmetrical cells. The insertion of a Ni-Cd battery in the voltage sensing path is a simple and effective methodology to overcome this limitation for certain battery cyclers.

The full publication is available here.



Announcements

2024 MRS Spring Meeting

22-26 April 2024

Seattle, Washington, USA

[More information](#)

37th ISE Topical Meeting

9-12 June 2024

Stresa, Italy

[More information](#)

We hope that you enjoyed this issue of our newsletter and we look forward to sharing our exciting journey with you.



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EURICE - European Research and Project Office GmbH

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