



Solar2Chem News

Dear Friends,

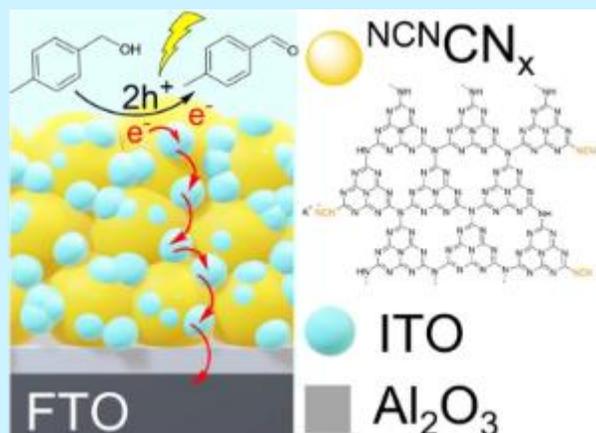
The last six months of Solar2Chem project achieved important scientific results and **two scientific articles** were published by researchers of the consortium. We participated in the **fifth Solar2Chem training workshop** at the University of Cambridge about Science and Policy, Public Engagement and Leadership. A lot of work has been done for the organization of our next international events: the **Winter School "Materials and Methods for solar fuels production"** at UPV in Valencia and the **Solar2Chem Conference** at ICIQ in Tarragona. Read more details about these activities in the following sections!

[Learn more about our project](#)

Scientific publications in peer-reviewed journals

Horatiu Szalad and a group of researchers from **Universitat Politècnica de València** lead by **Prof. Hermenegildo García** and **Dr. Josep Albero** prepared a novel 2D/2D heterojunction by in-situ growth of the 2D CuTHQ MOF on defective N-doped graphene (NG), its photocatalytic activity for overall water splitting was studied in detail in the article "**2D/2D Cu-tetrahydroxyquinone MOF/N-doped graphene heterojunction as photocatalyst for overall water splitting**" published on the *International Journal of Hydrogen Energy*.

Carolina Pulignani, in the framework of an international collaboration between **University of Cambridge, Imperial College of London** and **Universitat Jaume I of Castellón** lead by **Prof. Erwin Reisner**, developed a facile synthetic method to produce highly-versatile and performant carbon nitride-based photoanodes for the selective oxidation of organic substrates and waste. Read more about it in the open-access paper "**Rational Design of Carbon Nitride Photoelectrodes with High Activity Toward Organic Oxidations**" published on *Angewandte Chemie International Edition*.



5th Solar2Chem training workshop in Cambridge

Our 5th Solar2Chem training workshop at St. John's College in Cambridge from 6th-9th December, hosted by Prof. Erwin Reisner and ESR Carolina Pulignani, touched upon various topics, including science policy, public engagement, networking, diversity, inclusion and leadership. Apart from that, all ESRs used the opportunity to update each other on research progress.

The first day started with two interactive lectures; **Alexander John Cruz (Baker Hughes)** gave insights into how research translates into societal outcomes and shared his experience and advice on networking in non-academic settings. Further, we assessed the impact of our research projects with the help of **Steve Cross**.

Another main topic of the workshop was communication and interpersonal skills: We learned about leadership expectations and gender balance in research from **Andi Jarvis (Eximo Marketing)** and **Ineke Houtenbos (IHT&C)**, while **Mariana Galvano Lyra (LUT School of Business and Management)** introduced current diversity, equality and inclusion requirements in the academic world. Furthermore, **Ian Williamson (HyEnergy)** shared his experience on what is essential for negotiating successfully and how to respond to stressful situations. Finally, our hosts, **Erwin Reisner** and **Carolina Pulignani**, stressed the importance of public outreach and highlighted some outreach activities of their group.

Acquiring funding is a crucial skill for researchers' success: that is why **Verena Fennemann (Head of Fraunhofer EU)** provided us with an overview on how the European Union and other funding agencies define their strategies. In addition, we were introduced to the funding strategy of the European Innovation Council and its translation for solar fuels and chemicals by **Carina Faber (EIC-EISMEA)**.

The final day of the workshop featured a visit to Johnson Matthey in Redding, where ESR **Sebastiano Gadolini** and **Crina Corbos** showed us the site and laboratories, and we were introduced to "Science and Innovation in a changing world" by **Carmen**

Murphy – a perfect way to conclude our 5th training workshop.

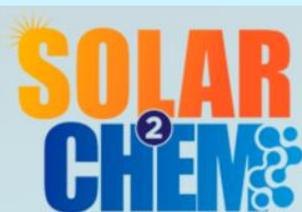


Upcoming events

The next six months will be the last ones of Solar2Chem project and we are planning some extraordinary international events:

**Solar2Chem Winter School at
UPV (Valencia)**

The **Solar2Chem Winter School "Materials and Methods for Solar Chemical Production"** will be held at the **Universitat Politècnica de València (UPV)** from the **22nd to the 24th of February 2023**. Everything is settled up for our unique event: **Lectures, Technical Talks and Roundtables** about **photo(electro)catalysis and solar fuel production**, **Poster Session** with awards for the best four presentations, **Lab Tour, Hands-on and Networking Activities**. **Don't miss this opportunity, register now!**



WINTER SCHOOL

Materials and Methods for Solar Chemical Production



Hermenegildo Garcia
Universitat Politècnica de València (UPV)



Laia Francàs Forcada
Universitat Autònoma de Barcelona



Fatwa Abdi
Helmholtz-Zentrum Berlin



Markus Antonietti
Max Planck Institute of Colloids and Interfaces



Carlos Martí Gastaldo
Institute of Molecular Science (ICMol)-Universidad de Valencia



Emilio Palomares
ICIQ - Institut Català d'Investigació Química



Ana Primo Arnau
Universitat Politècnica de València (UPV)



Francisco Fabregat-Santiago
INAM- Institute of Advanced Materials - UJI



Kevin Sivula
École Polytechnique Fédérale de Lausanne - EPFL



Salvador Eslava
Imperial College London



Antonio Franconetti
CIC bioCUNE (Spain)



Elena Mas-Marzá
INAM- Institute of Advanced Materials - UJI

**Keynote talks
Presentations**

**Networking
Poster sessions
And more**

More Information

Register here



Register here



UNIVERSITAT POLITÈCNICA DE VALÈNCIA

**22nd to 24th
February
2023**



Inspiring science, enhancing life



Compact Electrochemical Interfaces

6th Solar2Chem training workshop in Lausanne

The last training workshop of Solar2Chem will be in **May 2023** at the Laboratory or Renewable Energy Science and Engineering (LRESE) of EPFL lead by **prof. Sophia Haussener**. The workshop will be about **engineering photoelectrochemical devices** and **entrepreneurship**.



Solar2Chem Conference at ICIQ (Tarragona)

The Solar2Chem Conference "Photo(electro)catalysis for Solar Fuels Production" will be held at **Institut Català d'Investigació Química (ICIQ)** in **Tarragona** from the **18th to the 22nd of September 2023**. The famous international researchers reported below will attend the event, **will you do the same?** Follow us on our social media to be up-to-date about it!

Confirmed Speakers

S₂C² | Solar2Chem Conference
Photo(electro)catalysis for Solar Fuels Production


Kazunari Domen
Professor at University of Tokyo


Harry Atwater
Professor at California Institute of Technology


Beatriz Roldán Cuenya
Director at Fritz Haber Institute of the Max Planck Society


Timothy Noël
Professor at University of Amsterdam

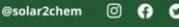

J.R. Galán-Mascarós
Professor at Institut Català d'Investigació Química


Berit Hinnemann
Head of decarbonization business development at Maersk

 **Institut Català d'Investigació Química (ICIQ), Tarragona, Spain**

 **18-22 September 2023**

 www.solar2chem.eu

 @solar2chem



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