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News

Fundamental Research

Chemical sciences

Catalysis and reaction kinetics

***A special issue of the ChemCatChem journal shines the spotlight on the contribution made by women to catalysis research. A perfect opportunity to examine the important role they play at IFPEN.***

**In August 2019, the ChemCatChem scientific journal published a special issue on women in catalysis.** Its aim is to highlight the breadth and depth of the outstanding research in this field developed by women, and to raise their profile within the catalysis community.

**One of those women** whose work is covered is **Céline Chizallet**, project manager in IFPEN's Catalysis, Biocatalysis and Separation Division.



Special Issue: Women of Catalysis

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## IFPEN's female researchers actively contributing to the French national scientific community

Several female researchers in the Catalysis, Biocatalysis and Separation Division also play a very **active role in the French national scientific community**, particularly via the Société Chimique de France (SCF, the French Chemistry Society):

- **Hélène Olivier-Bourbigou**, head of the Molecular Catalysis Department and **2014 woman scientist of the year and Irène Joliot-Curie Prize winner**, was president of the SCF's Catalysis Division (DivCat) from 2013 to 2019,
- **Audrey Bonduelle**, applied research followed by fundamental research project manager<sup>1</sup>, has been president of the Catalysis Study Group (GECat) since 2018,
- **Céline Chizallet**, fundamental research project manager<sup>2</sup>, **winner of the 2015 Edith Flanigen Prize**, has just been elected member of the DivCat board.

All three women are also **actively involved**, alongside other IFPEN researchers, **in the organization of national and international conferences**: the annual GECat conference and the triennial French Conference on Catalysis (FCCat), **the 2<sup>nd</sup> edition** having taken place in June 2019.

Moreover, they are currently busily working on preparations for France's application to host [ICC 2024](#) (International Conference on Catalysis) in Lyon.

## IFPEN's recognized pivotal role

The contribution of these scientists illustrates IFPEN's **pivotal and unifying role in the field of fundamental catalysis research nationally**, and in terms of **spearheading the influence of this community on the international stage**. In particular, IFPEN's activities help maintain dynamic links with French teams of the highest international caliber in the field.

The excellence of catalysis research at IFPEN is also reflected in the **many prizes awarded in recent years to PhD students and researchers based in the Catalysis, Biocatalysis and Separation Division**.

<sup>1</sup> CATAPHOT; *materials and processes for interconversion between low-carbon electric energies and chemical energy*.

<sup>2</sup> EYRING: *from ab initio calculation to experimental kinetics*.

FERMI: *advanced molecular simulation methods for investigating the reactivity of complex systems*.

## Publications

- [Special issue](#) of the ChemCatChem journal on the 2016 FCCat and special issue to come for the 2019 FCCat.

- Article on "[Atomistic Models for Highly Dispersed PtSn/Al<sub>2</sub>O<sub>3</sub> Catalysts: Ductility and Dilution Affect the Affinity for Hydrogen](#)".

Catalysis: IFPEN's female researchers honored  
21 October 2019

Link to the web page :