

EMEC19 that lies behind us

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19th European Meeting on Environmental Chemistry

Royat, France
3-6 december 2018



The 19th European Meeting on Environmental Chemistry (EMEC 19) was held at Royat (close to Clermont-Ferrand) in France from the 3rd to 6th of December 2018.

The main objectives of this conference were to bring together scientists working in the field of environmental chemistry, to report the most advanced research progress in this field, and to pave the way for future research and challenges. **125 participants were present, from 20 different countries** (Algeria, Czech Republic, Denmark, Estonia, Federation of Russia, Finland, France, Germany, Italy, Israel, Luxemburg, Poland, Portugal, Republic of Korea, Saudi Arabia, Serbia, Slovenia, Spain, United Kingdom, and United States).

Web site: <https://emec19.sciencesconf.org/>



1- The Scientific Program

EMEC 19 covered a broad range of topics within the field of environmental chemistry including:

- **Sustainable chemistry** (new compounds, green processes)
- **Compartment of the environment** (atmosphere, soils, marine and surface waters) with a focus on **monitoring, processes** (biological and chemical), **remediation and ecotoxicology**
- **Modeling and Methodologies.**

The scientific program was organized around five scientific sessions introduced by the plenary lectures of one invited speaker per session:

Pr Karine DE OLIVEIRA VIGIER (University of Poitiers, France) introduced the session "Sustainable chemistry" with a talk entitled "*Catalytic Conversion of Carbohydrates to Value Added Chemicals: Alternative Solvents and Technologies*"

Pr Frank KEPPLER (University of Heidelberg, Germany) gave a lecture entitled "*The Global Chloromethane Cycle*" to introduce the session "Atmosphere".

Dr Annette Elisabeth ROSENBOM (Geological Survey of Denmark and Greenland (GEUS)) presented a talk entitled "*Detailed Pesticide Fate Descriptions and Realistic Hydrogeological Settings Applied in the Aesticide Leaching Risk Assessment for Clay Till Fields*" to introduce the session "Soil and Sediments".

Pr José Antonio SANCHEZ PEREZ (University of Almería, Spain) was the invited speaker of the session "Waters" and talked about "*Solar photo-Fenton as a tertiary wastewater treatment. From mechanisms to reactor design*".

Dr Barbara ERVENS (National Oceanic and Atmospheric Administration (NOAA) USA, now at ICCF, France) introduced the last session "Modeling and Methodologies" by a talk entitled "*Modelling Chemical Processes in Clouds*".

These plenary lectures were completed by **40 oral presentations** and **69 posters**.



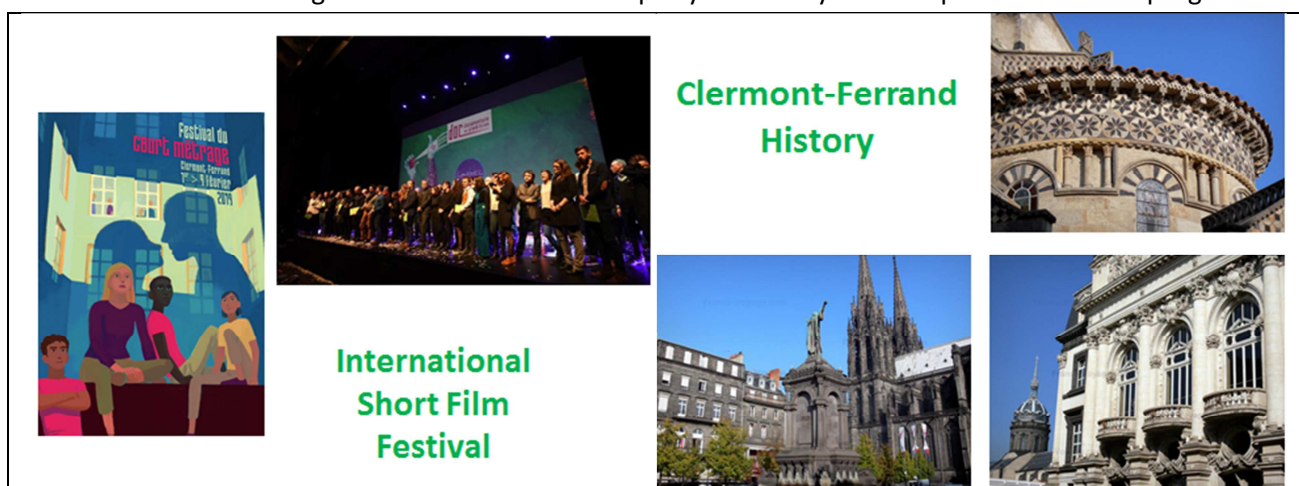
Coffee Brake

Poster session

2-The Social program

In addition to the scientific program, a full social program was organized: A guided tour allowed the participants to discover the rich history of Clermont-Ferrand. In parallel, we organized a short-film

presentation to pay tribute to Clermont-Ferrand as the host of the renowned annual International Short Film Festival. A gala dinner and a welcome party at the City Hall completed this social program.



3-The Awards

The organization of the EMEC 19 granted eight awards for outstanding contributions thanks to the sponsorship of “The Prince Sultan Bin Abdulaziz International Prize for Water: Recognizing Innovation”.

Two awards for the best oral presentations (500€ each) and five for the best poster presentations (250€ each) by young scientists were selected by scientific juries.

One poster award (250€) was selected by all conference participants who took part in this election.



The winners of the prizes during the award ceremony

- The winners of the best oral presentation awards are:

Mathilde GODERE (University of Aix-en-Provence, France)

Luca CARENA (University of Turin, Italy) **and Davide PALMA** (Université Clermont Auvergne, France).

- The winners of the best poster awards are:

Hani FARHAT (Université Clermont Auvergne, France): Session “Sustainable Chemistry”

Miao WANG (Université Clermont Auvergne, France): Session “Atmosphere”

Filipe ROCHA (University of Porto, Portugal): Session "Soil and Sediments"

Paula SORIANO-MOLINA (University of Almería, Spain): Session "Waters"

Sara RAMOS (University of Porto, Portugal): Session "Modeling and Methodologies"

- The winner of the "Public best poster award" is:

Amina KHALED (Université Clermont Auvergne, France)

4-The Organizers: The Institute of Chemistry of Clermont-Ferrand (ICCF)

The conference was organized by the Institute of Chemistry of Clermont-Ferrand (ICCF) from Université Clermont Auvergne/CNRS/Sigma-Clermont, on behalf of the Association of Chemistry and the Environment (ACE).

The Institute of Chemistry of Clermont-Ferrand brings together 250 people organized in six teams chemistry in various chemistry disciplines and five technical administrative and scientific platforms to form the basis of the academic research in chemistry of Clermont-Ferrand.

ICCF focuses its research efforts on the urgent issues that civil society poses to chemists. Its assets lie in the broad spectrum of its research activities such as inorganic materials, thermodynamics and molecular interactions, photochemistry, materials for health, biocatalysis and metabolism, and organic and medicinal chemistry.

ICCF is also organized in three interdisciplinary projects with high social impacts: "Chemistry and Environment", "Chemistry and Life Sciences", "Chemistry and Materials".

In the field of environmental chemistry, interdisciplinary topics concern:

- **Sustainable chemistry (green processes)**
- **Bio-physico-chemistry of the atmosphere**
- **Fate of contaminants in the environment (soil, water, plants)**

The chemists of ICCF actively contribute to the activity of the **Federation of Research in Environment (FRE)** of Clermont-Ferrand and the **Clermont Auvergne Project: I-Site CAP 20-25**.

Web sites:

<http://iccf.univ-bpclermont.fr/>

<http://www.recherche-environnement.univ-bpclermont.fr/wp/>

<http://cap2025.fr/en/>



The organizing committee during the closing ceremony