



Ozone Days

Ozone for the valorization of agroresources and cellulosic fibers

March 23-24, 2022
UniLaSalle Campus, Beauvais, France



The use of ozone for the valorization of agroresources and lignocellulosic fibers is in full development throughout the world. There is a real need to connect researchers and manufacturers in order to be able to develop applications using ozone, accompanying the process from research to industrial application.

Objectives

- ✓ State of the art of the development of ozone applications: **pulp bleaching, agroresources preservation...**
- ✓ Demonstrate the potential of ozone in the treatment of lignocellulosic fibers and agroresources.

Organization

Plenary sessions and **two parallel technical sessions** will be organised on ozone treatment of lignocelluloses or agroresources respectively. They will present the main applications and perspectives of the use of ozone in these fields as well as the description of associated facilities.

Target audience

Researchers from University and Industry, PhD Students, Suppliers, Industry Players.

Speakers

Specialists from academy, research centers and suppliers working in the field of ozone applications.



Conference supported by



To receive more information, please contact:

ozone.days@unilasalle.fr
www.ozone-days.com

Program

G: general presentation (plenary) - T: technical presentation (parallel sessions)

Wednesday, March 23

*** 9:00-12:30 ***

Opening of the conference and welcome address

Mr. Philippe CHOQUET (Director-General of UniLaSalle)

Dr. Thierry AUSSENAC (UniLaSalle – ULR7519) & Pr. Dominique LACHENAL (Grenoble INP – LGP2)
TBA (Région Hauts-de-France & Communauté d'Agglomération du Beauvaisis)

G1: Ozone applications: an overview of the markets and new trends and regulatory issues (Dr. Sylvie BAIG, Suez)

G2: Generation and properties of the ozone gas (Dr. Alexandre HÉRISSON, UniLaSalle – ULR7519)

G3: Chemistry of ozone with organic molecules found in lignocellulosics and agrosources. Ozone reaction pathways in water (Pr. Dominique LACHENAL, Grenoble INP – LGP2)

G4: Technological approaches for ozone processing (Dr. Alexandre HÉRISSON, UniLaSalle – ULR7519)

*** 12:30-14:00 *** | Lunch

*** 14:00-18:45 ***

T1: Why using ozone in the bleaching of chemical pulp?
(Pr. Dominique LACHENAL, Grenoble INP – LGP2)

T2: New generation green bleaching processes using ozone stages – comparison with conventional bleaching
(Dr. Étienne MONTEY, Grenoble INP – LGP2)

T3: Worldwide development of ozone bleaching-existing technologies
(Alexis METAIS, Xylem)

T4: New opportunities of ozone in the pulp and paper industry: upgrading of recycled fibers
(Dr. Nathalie MARLIN, Grenoble INP – LGP2)

T5: Ozone in agriculture and food processing: a general overview of applications
(Dr. Thierry AUSSENAC, UniLaSalle – ULR7519)

T6: Ozone in fruit and vegetable processing
(Dr. Élodie SARRON, UniLaSalle – ULR7519)

T7: Ozone in herbs, spices, medicinal and aromatic plants processing
(Dr. Mohamad Mazen HAMOUD-AGHA, UniLaSalle – ULR7519)

T8: Ozone in grain processing
(Dr. Thierry AUSSENAC, UniLaSalle – ULR7519)

G5 – Round table: Ozone Applications & regulatory issues (Presentation Mike PRINCE, EuOTA # Chairman Dr. Thierry AUSSENAC, UniLaSalle – ULR7519 # Invited Dr. Sylvie BAIG, Suez)

*** 19:30-21:30 *** | Ozone Days Dinner

Thursday, March 24

*** 9:00-10:50 ***

G6: Ozone 2020 FUI Project: ozone at the service of health security in the agro-industrial sector (Dr. Sylvie BAIG, Suez)

G7: How can ozone contribute to green biorefinery processes? (Pr. Christine CHIRAT, Grenoble INP – LGP2)

G8: Introduction to the GIS (Ozone consortium) and to the ozone pilot facility LaSalle O₃ (Dr. Thierry AUSSENAC, UniLaSalle – ULR7519 and Pr. Christine CHIRAT, Grenoble INP – LGP2)

*** 10:50-12:30 ***

Technical Tour: LaSalle O₃ platform facility

*** 12:30-14:00 *** | Lunch

Registration fees

Academic: 300 €

Student: 150 €

Company Representative: 400 €

To receive registration information, please contact: ozone.days@unilasalle.fr

www.ozone-days.com