



Newsletter No. 30

IFT-EFFoST 2018 International Nonthermal Processing Workshop and Short Course

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The "IFT-EFFoST 2018 International Nonthermal Processing Workshop and Short Course" took place at Sorrento and at the University of Salerno, on September 25-27, 2018 (website: nonthermal.prodalricerche.com).

It was organized by the Consortium ProDAI Scarl, in collaboration with the University of Salerno. Giovanna Ferrari was the conference chair.

The scientific program covered four topics:

- Nonthermal processes for better foods (including food safety and quality; nutrition and health; hurdle technologies; predictive modelling)
- Effect of nonthermal treatment on food structure and function (including mass transfer improvement; biological, chemical and structural modification of food components; functional foods; food texturization)
- Use of nonthermal technologies for a more sustainable food industry (including agri-food waste valorization; energy, water and waste reduction; nonthermal technologies in biorefinery; life cycle assessment (LCA) of nonthermal technologies in the food industry)
- Successful applications and future trends (including large-scale processing and treatment facilities; nonthermal processes for regulatory acceptance and commercialization; emerging applications and commercial development).

The scientific format of the workshop was very successful among the participants, because it was able to stimulate exchanges of ideas and debates on the various topics covered. It was articulated in oral and flash presentations of the scientific work, one-to-one interactions with the support of a poster, as well as roundtables for plenary discussion involving some of the main players among the technology provider, industrial user and researchers.

The scientific program continued with the Short course, in ProDAI/Unisa laboratories. During this phase, different nonthermal technologies were presented and discussed with the help of worldwide leaders in the field, and enriched by hands-on experiences on some of the lab and pilot units available in ProDAI/Unisa lab.

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**3rd World Congress on Electroporation
& Pulsed Electric Fields in Biology, Medicine
& Food and Environmental Technologies**
Toulouse, France September 3-6, 2019



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*Council members list continues
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110 researchers and experts (74 professionals and 36 students), coming from 29 countries, gathered at the workshop to share their knowledge, contributing to the made this event a great success.

They also enjoyed a packed program of social activities, singing and dancing evenings, as well as several occasions to taste the local foods.

The Organizing Committee gratefully acknowledge the financial support received from:

- ProdAI Scarl (www.prodalricerche.it);
- Department of Industrial Engineering of the University of Salerno (www.diin.unisa.it);
- Elea Gmhh (www.elea-technology.de);
- Diversified Technologies Inc. (www.divtecs.com);
- Thyssenkrupp (www.thyssenkrupp.com/en/company);
- Hiperbaric España (www.hiperbaric.com/en);
- International Society for Electroporation-Based Technologies and Treatments (www.electroporation.net);
- University of Salerno (www.unisa.it);
- C-Tech Innovation Ltd (www.ctechinnovation.com);
- FPD S.r.l. (www.fpd srl.it).

The Organizing Committee also wish to thank all those, who, with their enthusiasm and work, contributed to the organization of all the planned and unplanned events, which made this experience unforgettable for all the participants.

The next edition of the IFT-EFFoST International Nonthermal Processing Workshop and Short Course has already been scheduled, and will be organized by J. Antonio Torres's group of the Tecnológico de Monterrey, Mexico in 2019.



Forthcoming events

Electroporation-Based Technologies and Treatments

Ljubljana, November 11 – 17, 2018

<http://2018.ebtt.org>

6th School on Pulsed Electric Field Applications in Food and Biotechnology

Cesena, June 3 – 7, 2019

<http://pefschool2019.electroporation.net>

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IFT-EFFoST 2018 International Nonthermal Processing Workshop and Short course - Steering and Organizing Committee.

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