

2015 International Nonthermal Processing Workshop

Athens, Greece

**“SUSTAINABLE INNOVATION BASED ON SCIENCE AND APPLIED RESEARCH OF
NONTHERMAL TECHNOLOGIES”**

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Nonthermal Workshop 2015: Athens, Greece



Theme

SUSTAINABLE INNOVATION BASED ON SCIENCE AND APPLIED RESEARCH OF
NONTHERMAL TECHNOLOGIES

Dates

NOVEMBER 12 & 13, 2015 **Save the date!**

Venue

Divani Caravel Hotel

Lead organizer

National Technical University of Athens,
School of Chemical Engineering,
Laboratory of Food Chemistry and Technology

Nonthermal Workshops

2014_Ohio, USA

2011_Osnabrück,
Germany

2015_Athens, Greece

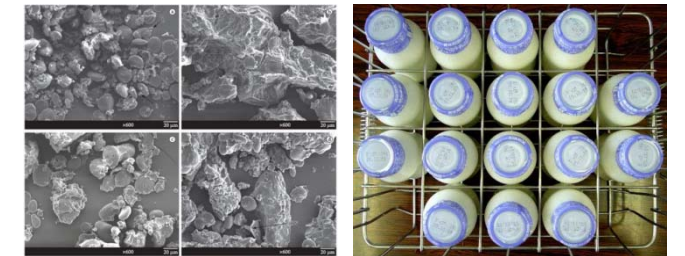
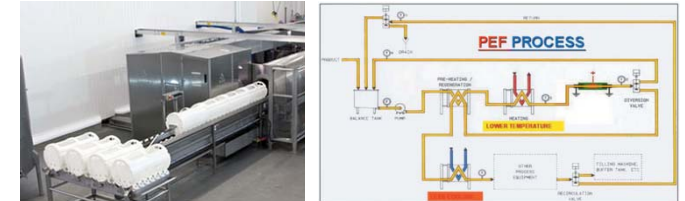
2013_Florianópolis
Brazil

2012_Melbourne,
Australia



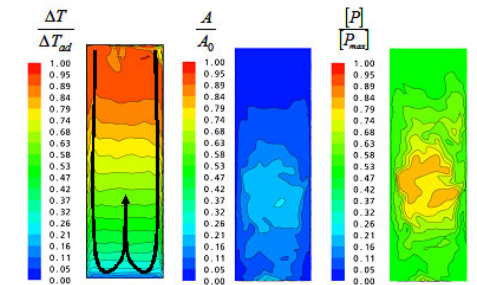
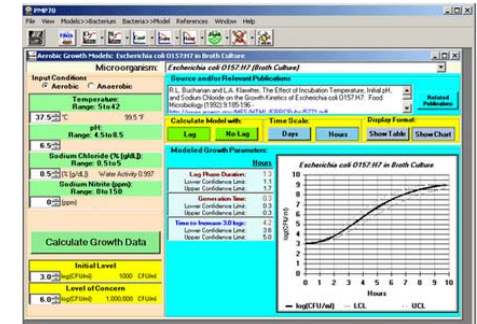
Scientific topics to be addressed

- ✓ **Status and state of the art research** of nonthermal technologies
- ✓ Current knowledge on the **phenomena and mechanisms** of the effect of nonthermal processes on **biological, chemical and structural components of food**
- ✓ Converting of research results into **practical solutions- emerging applications and commercial development**
- ✓ Paradigms of nonthermal technologies **applications in markets: successes and drawbacks**
- ✓ **Food safety and sustainability** by application of nonthermal technologies



Scientific topics to be addressed

- ☑ Use of nonthermal technologies for superior quality or **novel food products** of extended shelf-life
- ☑ **Predictive modelling tools** to assess and optimize nonthermal technologies
- ☑ Impact of nonthermal technologies on **energy, water and waste reduction**
- ☑ Non thermally treated food products for **health and well-being**
- ☑ **Life Cycle Analysis** of nonthermal technologies applied in the food industry



Workshop Venue

Divani Caravel Hotel

- ✓ Right in the heart of Athens
- ✓ Easily accessible by all means of public transportation
- ✓ A few minutes walk from the city centre
- ✓ A lot of hotels in the nearby area



Head to head event with EFFOST 2015



- ☑ The NPD Workshop will be held on 12-13 November 2015
- ☑ Head to head event with EFFOST 2015
EFFOST 2015 will take place on 10-12 November 2015
- ☑ NPD Workshop will overlap the last morning (Thursday 12/11/2015) with EFFoST with joint sessions
- ☑ Continue on as independent event in the afternoon and next day (Friday 13/11/2015).
- ☑ **This overlapping is expected to create a mutually successful synergism**



EFFOST & EFFOST Conferences



EFFOST: The European Federation of Food Science & Technology

- ☑ A non-profit association that federates food science and technology organisations in Europe
- ☑ EFFoST is the European group of the International Union of Food Science & Technology (IUFoST)

EFFOST Annual Meetings

- ☑ EFFoST organizes an annual international conference (in different European countries) to promote food science and technology in Europe and internationally and in particular to facilitate the adoption of research results by the industry
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EFFOST & EFFOST Conferences



28th EFFoST Conference

“Innovations in attractive and sustainable food for health”

25-28 November 2014, Uppsala, Sweden



EFFOST & EFFOST Conferences



29th EFFoST Conference

“Food Science and Technology research and innovations delivering sustainable solutions to the global economy and society”

10-12 November 2015, Athens, Greece

Attendance

Target number of attendants 300 to 400

Programme:

- Two and a half days main conference
- Max. 200 oral presentations (in plenary and 4 parallel sessions) and 350 Posters.
- Special thematic sessions organized by scientific bodies like the European Academy of Food Engineering (EAFE), or major project consortia will be included.



NPD Workshop 2015: Program outline



THURSDAY, NOVEMBER 12th, 2015

09:00-10:30	THEME 1 Keynote Lecture (30 min) + 4 Oral presentations (15min)		EFFOST Conf-NPD Workshop Joint session
10:30-11:00	<i>Coffee break</i>		
11:00-12:30	THEME 1 6 Oral presentations (15min)		
12:30-14:00	<i>Lunch break</i>		
14:00-15:50	THEME 2 Invited Lecture (20 min) + 6 Oral presentations (15min)	THEME 3 Invited Lecture (20 min) + 6 Oral presentations (15min)	Poster Session 1
15:50-16:30	<i>Coffee break</i>		
16:30-18:30	THEME 4 8 Oral presentations (15min)	THEME 5 8 Oral presentations (15min)	Poster Session 1
20:30	<i>Dinner</i>		

NPD Workshop 2015: Program outline



FRIDAY, NOVEMBER 13th, 2015

08:30-10:35	THEME 6 Invited Lecture (20 min) + 7 Oral presentations (15min)	THEME 7 Invited Lecture (20 min) + 7 Oral presentations (15min)	Poster Session 2
10:35-11:10	<i>Coffee break</i>		
11:10-13:15	THEME 8 Invited Lecture (20 min) + 7 Oral presentations (15min)	THEME 9 Invited Lecture (20 min) + 7 Oral presentations (15min)	Poster Session 2
13:15-14:30	<i>Lunch break</i>		
14:30-15:30	Break-out session 1	Break-out session 2	
15:30-16:00	<i>Coffee break</i>		
16:00-17:00	Break-out session 3	Break-out session 4	
17:00-18:00	Sum-up & Closing remarks Presentation of next Nonthermal Food Processing Workshop 2016 FAREWELL		

In total:
66 oral presentations
200 poster presentations

Saturday, NOVEMBER 14th, 2015 (Optional)

Group visits to Greek meat producing industries using HP technology

Marketing strategy



- ☑ NP Division Members will be the core audience
 - ☑ The Workshop will be held on 12-13 November 2015 as a head to head event with EFFOST 2015.
This will create a mutually successful synergism
 - ☑ The last morning (Thursday 12/11/15) of EFFoST 2015 will be devoted on Non Thermal Processing and will function as a joint session with the NPD Workshop (that will start co-currently that morning)
 - ☑ NPD participants will attend this particular EFFoST session with their NPD badges
 - ☑ Registered EFFoST participants will be offered the option to also attend the whole NPD Workshop for a reduced additional fee
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Registration Fees



	Early Bird	Regular
Professional	350 € (450 \$)	430 € (550\$)
EFFOST delegates (50% discount)	175 € (225\$)	215 € (275)
Student	200 €	280 €
EFFOST delegates (50% discount)	100 €	140 €

Timetable



- Nov 2014: International Scientific Committee formed (local host and lead organizer will serve as the chair of scientific committee & NPD/EFFoST liaison).
Contact potential sponsors for workshop financial support
Establish website
- Dec 2014: Finalize Workshop theme & program outline
Open call for abstracts
- Jan 2015: Establish registration procedures
Identify speakers, send invitation letters to speakers, and industry potential sponsors
Distribute promotional materials, advertisements, and begin registration process.
- June 2015: Abstract submission closed
- July 2015: Scientific committee abstracts evaluation complete
- Aug 2015: Notification of successful abstract submissions
- Sept 2015: Program Finalized and published
Early bird registration closed
- Nov 2015 NPD Workshop**
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Committees



Local Organizing Committee

Petros Taoukis (NTUA)

Nikolaos Stoforos (AUA)

Vaios Karathanos (HUA)

Magda Krokida (NTUA)

Eleni Gogou (NTUA)

International Scientific Committee

Leading nonthermal processing experts from

Nonthermal Processing Division IFT, EFFOST , international research

institutes and industry

**Athens is welcoming
Nonthermal processing workshop 2015**



Why Athens...

The Past

- Aptly named Athens after the goddess of wisdom and knowledge
- Hub of the ancient world in science, philosophy, the arts and politics
- Birthplace of “Congresses” –the earliest assemblies of the world for public issues
- Cradle of Symposia, celebrated discussions over food and drink





Athens

The Present

- Home to 4 million people
- Beauty, hospitality and excitement
- Unique blend of Ancient and Byzantine tradition with Neoclassical and Modern architecture
- Preferred venue for artistic events, scientific meetings and business conferences
- One of the safest destinations in Europe
- Uncompromised quality and service standards at affordable prices

Athens

The Present

- State-of-the-art infrastructure for transport and travelling:



Eleftherios Venizelos International Airport with a handling capacity of 20 million passengers annually
• *380 airplane arrivals daily*



Attiki Odos Highway offering easy access to the airport and the city's transport network

Athens

The Present



Athens Metro transferring 450,000 commuters daily

Athens

Destination for Conferences

Ideal for international congresses:

- Vantage location
- Great climate
- Rich historical, cultural, artistic and scientific legacy
- Wealth of tourist options for pre- and post-congress period
- Sound experience of local PCOs



Athens

Destination for Conferences

Climate

Athens is the ideal destination year-round, thanks to its:

- Excellent Mediterranean climate
- Sunshine during most months
- Mild winters (10-18° C on average)
- Pleasant springs and summers

Average Monthly Mid Day Temperatures in °C and °F

MONTH	°C	°F	MONTH	°C	°F	MONTH	°C	°F
JANUARY	10.3	50.5	MAY	20.7	69.3	SEPTEMBER	24.2	75.7
FEBRUARY	10.7	51.2	JUNE	25.1	77.2	OCTOBER	20	68
MARCH	15.4	54.3	JULY	27.9	82.2	NOVEMBER	19.2	67
APRIL	20.0	60.8	AUGUST	27.8	81.9	DECEMBER	14.2	57.6

Venue

Divani Caravel Hotel

This 5* Athens hotel is ideally situated in the heart of Athens. It boasts a rooftop with Acropolis view, and offers dining and guest rooms with views of the city, Lycabettus Hill and the Acropolis.



For participants/accompanying persons



Half-Day City Tour of Athens

Highlights of the striking contrasting features of Old and Contemporary Athens



Cape Sounion in the Afternoon

Views of the sea and coastal areas with stop-over at the Temple of Poseidon, Cape Sounio



One-day Delphi Tour

Sightseeing in Delphi, lunch at a local tavern, Stop-over at Arachova. Early evening return to Athens

For participants/accompanying persons



One-Day Argolis Tour

Coastal route to the archeological site at Mycenae, the picturesque historic city of Nafplion and Epidavros with its celebrated ancient theatre. Early evening arrival in Athens



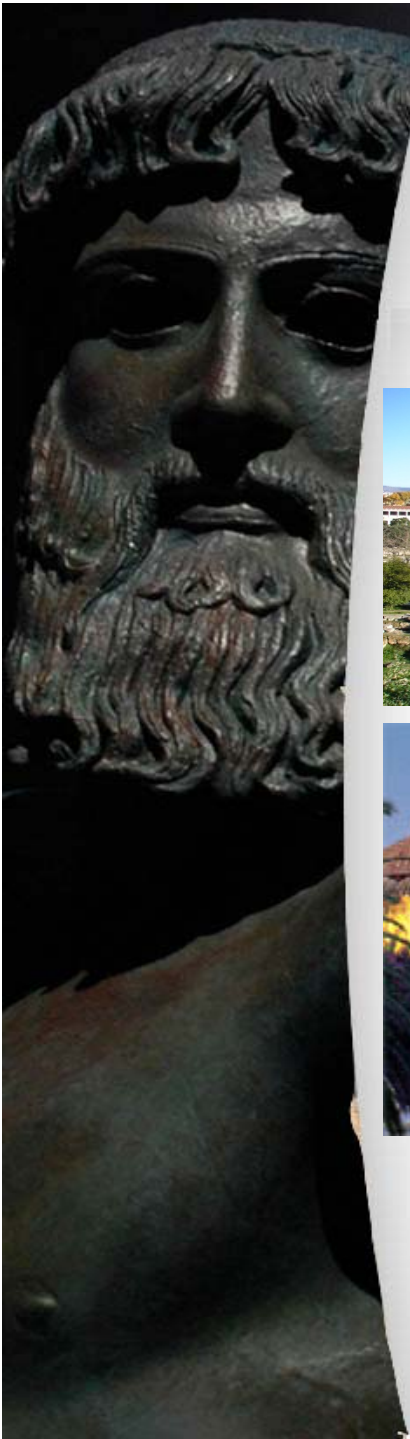
Full-Day Cruise to the Saronic Islands

(Hydra, Poros, Aegina-Evening arrival in Athens)



4-day Classical Tour

The tour provides considerable insight into Prehistory, the Classical period, Roman domination, the Byzantine Empire, the Crusades and present-day Greece.



Athenian Sights and Monuments



Acropolis

Landmark of the Athenian Golden Age.

Ancient Agora

Heart of the ancient city in the Classical era.



Kerameikos

The earliest ancient cemetery in Attica-a unique open-air museum

Plaka

The most picturesque quarters of Athens, featuring 19th century neo-classical Houses.





Museums

- *National Archaeological Museum-a unique collection of Ancient Greek works of art*
- *The New Acropolis Museum*
- *Byzantine & Christian Museum-exhibits of Religious Art*
- *National Gallery-permanent Art collections*
- *Benaki Museum-collection of 30.000 items illustrating the character of the Greek world through a spectacular historical panorama*
- *War museum-weapons from Stone Age and the Classical Period of the Second World War, various types of fighter aircraft, military uniforms etc*
- *Athens City Museum-18th -20th century paintings and engravings*
- *Cycladic Art Museum-the world's largest private collection of Cycladic Art*
- *Greek Folk Art Museum-featuring textiles, embroideries, costumes, silverware, folk paintings, wood and stone carvings from 1650 to present day*



Byzantine Churches

Old Metropoli, Kapnikarea, Agioi Apostoloi, Agios Georgios atop Lycabettus Hill, Kaisariani Monastery



NPD Workshop 2015 Dinner

- The Acropolis Museum Restaurant
- Combining a guided tour to the museum prior to dinner



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- Current knowledge on the phenomena and mechanisms of the effect of non thermal processes on biological, chemical and structural components of food
- Converting of research results into practical solutions- emerging applications and commercial development
- Paradigms of non thermal technologies applications in markets: successes and drawbacks
- Food safety and sustainability by application of non thermal technologies
- Use of non thermal technologies for superior quality or novel food products of extended shelf-life
- Impact of non thermal technologies on energy, water and waste reduction
- Non thermally treated food products for health and well-being

Join Us... in Athens !!!



For more information contact: npd2015@chemeng.ntua.gr

Important dates

Abstract submission deadline: **12 June, 2015**
Early Bird registration: **4 September, 2015**

Host

National Technical University of Athens
School of Chemical Engineering
Laboratory of Food Chemistry and Technology

Supported by:



Institute of Food
Technologists



IFT Nonthermal Processing
Division



European Federation of
Food Science and
Technology

Non Thermal Workshop 2015: Athens, Greece

www.npdworkshop2015.org

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