



Workshop

High pressure, pulsed electric fields and ozonation novel processes and applicability to improve quality and productivity of Greek fruit and vegetable industrial products

*National Technical University of Athens
Central Library*



The workshop is organized within the framework of the Research Project ARISTEIA II 3434: HIPEFO - Study of high pressure, pulsed electric fields and ozonation novel processes and applicability to improve quality and productivity of Greek fruit and vegetable industrial products

hipefo.chemeng.ntua.gr



Friday 23/10/2015
National Technical University of Athens
Central Library Auditorium

Workshop agenda

- 09:00 Registration
- 09:15 Opening – Welcome - **Prof. P. Taoukis (NTUA)**
- 09:30 HIPEFO Project presentation - **Prof. P. Taoukis (NTUA)**
- 10:00 Novel Technologies for Food processing-Fundamentals and potential applications
High Pressure technology- **Prof. P. Taoukis , Dr. G.Katsaros (NTUA)**
- 10:45 Coffee break
- 11:15 Nonthermal processing of food: Pulsed Electric Fields Technology-Fundamentals and
Industrial applications - **Dr K.Aganovic, Dr S.Toepfl, Dr A.Mathys, Prof. V.Heinz (DIL)**
- 11:45 Cold plasma technology - Fundamentals and potential applications - ARISTEIA I 695
PlasmaNanoFactory (<http://www.imel.demokritos.gr/projects/plasmananofactory>) -
Dr.P.Dimitrakellis, Dr. A.Tserepi, Dr. E.Gogolidis (NCSR Demokritos), Dr. G.Katsaros (NTUA)
- 12:15 Results of HIPEFO Project: Effect of novel technologies on extractability and stability
of olive oil from Greek olives – **V. Andreou, Dr. G. Katsaros, G.Dimopoulos,
Dr.Z.Alexandrakis, Prof. P.Taoukis (NTUA), Dr.D.Iconomou (ELGO-Demeter)**
- 12:45 Results of HIPEFO Project: Effect of novel technologies on yield increase and quality
of tomato products- **G.Dimopoulos, V.Andreou, Dr. G.Katsaros, Prof.P. Taoukis (NTUA)**
- 13:15 Results of HIPEFO Project: Effect of novel technologies on yield increase and storage
stability of Greek fruit and vegetable products- **Dr. G.Katsaros, V.Andreou,
Dr.Z.Alexandrakis, Dr.T.Tsironi, G.Dimopoulos, Prof. P.Taoukis (NTUA)**
- 13:45 Conclusions - Discussion
- 14:00 Light lunch
- 14:30 Optional visit and demonstration of the pilot Pulsed Electric Fields (PEF) equipment
in NTUA