

# PEF SCHOOL 2020

	MONDAY 25/05/2020	TUESDAY 26/05/2020	WEDNESDAY 27/05/2020	THURSDAY 28/05/2020	FRIDAY 29/05/2020
9:		A.4.- Electrochemical reactions during PEF <b>G. Pataro</b> , ProdAI S.c.a.r.l. & University of Salerno	C.1.- Microbial inactivation by PEF <b>J. Raso</b> , University of Zaragoza	C4-Effect of Pulsed electric field process for bio-based applications. <b>L Buchmann</b> , ETH Zurich	D.4 Drying enhancement by PEF <b>A. Wiktor</b> , Warsaw University of Life Sciences
9:15					
9:30					
9:45					
10:00		B.2. Techniques to detect electroporation in microbial cells <b>G. Cebrian</b> , University of Zaragoza	C.2.- Improving mass transfer through membranes by electroporation. <b>G. Ferrai</b> , ProdAI S.c.a.r.l. & U. Salerno	D.1 Electrical discharges <b>E. Vorobiev</b> , Université de Technologie de Compiègne	D.5. PEF for improving freezing tolerance <b>F. Gómez</b> , Lund University
10:15					
10:30					
10:45		Coffee break	Coffee break	Coffee break	Coffee break
11:00					
11:15		B.1 Techniques to detect electroporation in cell tissues <b>N. Lebovka</b> , Institute of Biocolloidal Chemistry of Ukraine	C. 3.- Effects of PEF on enzymes and food constituents <b>R. Soliva</b> , University of Lleida	D2. PEF process performance analysis <b>H. Jeager</b> , BOKU University	D.6. PEF pre-treatment for the production of intermediate moisture products. <b>U. Tylewicz</b> , University of Bologna
11:30					
11:45					
12:00		B.3 Numerical simulation techniques for PEF process <b>C. Rauh</b> , Technical University of Berlin	Practical work	D.3 PEF in wineries <b>I. Álvarez</b> , University of Zaragoza	D 7. Legislative framework <b>J. Lyng</b> , University College Dublin
12:15					
12:30		Student presentation			Student presentation
12:45					
13:00		Lunch	Lunch	Lunch	
13:15					
13:30					
13:45					
14:00					
14:15					
14:30					
14:45					
15:00	Welcome	Practical work	Traveling to Paraninfo	Practical work	
15:15					
15:30	A.1.- Basic electric concepts <b>G. Saulis</b> , Vytautas Magnus University				
15:45					
16:00					
16:15	A.2.- Basic concepts on electroporation <b>J. Teissie</b> , CNRS	Practical work	<b>Plenary lecture</b> Applications of electroporation in medicine <b>D. Miklavcic</b> , University of Ljubljana	Practical work	
16:30					
16:45	Coffee break		<b>Plenary lecture</b> Applications of PEF in the Food Industry <b>S. Toepfl</b> , ELEA		
17:00					
17:15					
17:30	A.3.- Basic concepts on high voltage pulse generation <b>W. Frey</b> , KIT				
17:45					
18:00					

Fundamentals
  Techniques
  Effects
  Applications