

1st PIAgri Workshop Programme

08:30	09:00	Registration	
09:00	09:10	Opening	
Morning session 1 – Chair: Nevena Puac			
09:10	09:40	IW-01	Z. Machala - Reactive oxygen and nitrogen species in plasma activated water: tuning their concentrations and functions in plant growth promotion
09:40	10:10	IW-02	E. Marotta - Plasma-based water treatment in agricultural applications
10:10	10:25	OW-01	F. Bilea - Removal of mixtures of pharmaceutical pollutants in aqueous solutions using non-thermal plasma
10:25	10:40	OW-02	P. Brault - Energy decomposition analysis of organic pollutants in water: a way for finding plasma degradation routes
10:40	11:10	<i>Coffee break – Conference Hall</i>	
Morning session 2 – Chair: Zdenko Machala			
11:10	11:40	IW-03	O. Schlüter - Cold atmospheric pressure plasma applications along the entire food production chain: examples and perspectives
11:40	12:10	IW-04	P. Bourke - From Bench to Prototype for Fresh Produce Processing with Non-thermal Plasma
12:10	12:25	OW-03	N. Škoro - Application of a surface DBD plasma source for flour treatment
12:25	12:40	OW-04	R. Žukienė - The potential of cold plasma for the stimulation of natural sweeteners biosynthesis in Stevia rebaudiana Bertoni
12:40	14:00	<i>Lunch</i>	
15:30	16:00	<i>Coffee break</i>	
19:30	23:00	Conference Dinner	

Friday, 3rd September

08:45	09:10	Registration	
Morning session 1 – Chair: Monica Magureanu			
09:10	09:40	IW-05	T. Dufour - Dry atmospheric plasma priming: a sustainable approach to improve seeds germinative parameters
09:40	10:10	IW-06	V. Mildažienė - The molecular mechanisms involved in plant response to stress induced by seed exposure to cold plasma
10:10	10:25	OW-05	I. Motrescu - Effects of Surface Dielectric Barrier Discharge Treatment of Some Sprout Species in Different Conditions
10:25	10:40	OW-06	A.V. Nastuta - Tailoring plasma sources towards plasma agriculture: at the interface with liquids and solids
10:40	11:10	<i>Coffee break – Conference Hall</i>	

Morning session 2 – Chair: Bogdana Mitu			
11:10	11:40	IW-07	A. Bertaccini - Plasma activated water as disease resistance inducer in plants
11:40	12:10	IW-08	H. Brust - Plasma Treatment of Growing Plants – Effects on Plant Growth, Development and Stress Responses
12:10	13:30	Poster Session – Chairs: Ionut Topala, Nikola Škoro	
13:50	14:00	Closing ceremony	
14:00	15:00	<i>Lunch</i>	

Poster session – Friday, September 3rd, 12:10 – 13:40

Workshop	
PW-01	The effect of a cold atmospheric filamentary plasma on seeds of beans (<i>Phaseolus vulgaris</i>) L.G. Carpen , C. Chireceanu, B. Mitu, C. Stancu, A. Bonciu, M. Teodorescu, I. Florescu, A. Chiriloaie-Palade, A. Geicu, G. Dinescu
PW-02	The influence of air atmospheric pressure plasma treatment on the germination of <i>Tagetes erecta</i> seeds under saline stress B. Tatarcan , C. Ifrim, C.V. Petre, I. Mihaila, V. Pohoata, I. Topala
PW-03	Effect of non-thermal plasma treatment on sunflower seeds A.G. Geicu , I. Florescu, C. Chireceanu, M. Magureanu
PW-04	Plasma-induced morphological and biochemical changes in dwarf bearded iris (<i>Iris reichenbachii</i> Heuff.) calli S. Živković , S. Jevremović, U. Gašić, M. Milutinović, N. Puač, N. Škoro ² , Z.Lj. Petrović
PW-05	Treatment of <i>Chlorella vulgaris</i> by gliding arc discharge plasma L. Marcinauskas , A. Stirkė, K. Jonynaitė, M. Aikas, A. Tamošiūnas, A. Šuopys, G. Dalmantaitė, R. Uscila
PW-06	Application of plasma activated water for phenol degradation using a gliding arc discharge at atmospheric pressure M. Wartel, F. Inoubli, F. Faubert, O. Aubry, D. Astanei, S. Rudz, R. Burlica, S. Pellerin
PW-07	Hydrophilization of corn seeds by non-equilibrium gaseous plasma N. Recek , A. Vesel, R. Zaplotnik, D. Paul, G. Primc, P. Gselman, M. Mozetič
PW-08	<i>Listeria monocytogenes</i> dynamics on multispecies biofilms formed on anti-biofilm coatings applied by Non-Equilibrium Atmospheric Plasma on stainless steel P. Fernández-Gómez, R. Múgica-Vidal, M. González-Raurich, M. López, F. Alba-Elías, M. Oliveira , A. Álvarez-Ordóñez
PW-09	Wheat seed surface changes after cold plasma treatment P. Starič , K. Vogel-Mikuš, I. Junkar
PW-10	Effect of plasma activated water (PAW) as a fertilizer improving the outdoor plant yield: maize case G.B. Ndiffo Yemeli , Z. Machala