

WGP5 Conference Schedule

Wednesday 6 November 2019	
08:45-09:15	Registration Open/ Poster Display Preparation
09:15-09:30	Welcome - Opening Remarks
09:15-09:30	Dr. Vassilios Burganos, Director, FORTH/ICE-HT & Prof.Dimitrios Vagenas, Chairman, ChemE Dept., U. of Patras
09:30-10:45	Session I: Graduate Students' Oral Presentations I
09:30-09:45	O1: <u>Fotios Zaravelis</u> , Dimitris Niakolas, Fotios Paloukis and Stylianos Neophytides
	High pressure PEM electrolysis stack as part of a Regenerative Fuel Cell System
	Energy
09:45-10:00	O2: <u>Athanasios Kordalis</u> , Stylianos Varchanis, Yannis Dimakopoulos and John Tsamopoulos
	Yield-stress analysis of elasto-visco-plastic materials in cross-slot geometry
	Nanotechnology/Advanced Materials
10:00-10:15	O3: <u>Sofia Falia Saravanou</u> , Konstantinos Safakas, Zacharoula Iatridi and Constantinos Tsitsilianis
	Thermo/shear dual responsive alginate-based graft copolymer hydrogel for injectable biomedical applications
	Biosciences/Biotechnology
10:15-10:30	O4: <u>Vasiliki Alexiou</u> , Amaia Soto Beobide, Konstantinos Andrikopoulos, George Mathioudakis and George Voyiatzis
	CNT reinforced polyester nanocomposites and related yarns for potential use as protective textiles: a molecular orientation study
	Nanotechnology/Advanced Materials
10:30-10:45	O5: <u>George Manthos</u> , Dimitris Zagklis, Panagiota Tsafrakidou and Michael Kornaros
	Kinetic modelling of bioethanol production from <i>Saccharomyces cerevisiae</i>
	Biosciences/Biotechnology
10:45-11:30	Coffee Break - Poster Session I
11:30-13:00	Session II: Graduate Students' Oral Presentations II
11:30-11:45	O6: <u>Antonios Marousis</u> , Dionisis Pettas, George Karapetsas, Yiannis Dimakopoulos and John Tsamopoulos

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	Numerical simulation of a viscoelastic film flowing over a substrate with periodic rectangular trenches
	Nanotechnology/Advanced Materials
11:45-12:00	O7: <u>Pavlos Tziourrou</u> , John Vakros, Chrysi Dimitra Tsikmanli and Hrisi Kassiani Karapanagioti
	Study of biofilm development on marine plastic litter: A Diffuse Reflectance Spectroscopy (DRS) approach
	Environment
12:00-12:15	O8: <u>Elli Bellou</u> , Nikolaos Gyftokostas, Dimitrios Stefas and Stelios Couris
	Classification of olive oils based on adulteration and acidity by using LIBS combined with Machine Learning techniques
	Biosciences/Biotechnology
12:15-12:30	O9: <u>Emmanuel Skountzos</u> , Dimitrios Tsalikis, Pavlos Stephanou and Vlasis Mavrantzas
	Atomistic simulations combined with advanced modelling for the prediction of the microscopic dynamics of polymer nanocomposites
	Nanotechnology/Advanced Materials
12:30-12:45	O10: <u>Panagiota Kalligosfyri</u> , Areti Sevastou, Iraklis Kyriakou, Sotirios Tragoulias, Despina Kalogianni and Theodore Christopoulos
	DNA Hybridization Assays and Quantitative Polymerase Chain Reaction Using a Smartphone as a Chemiluminescence Imager
	Nanotechnology/Advanced Materials
12:45-13:00	O11: <u>Andreas K. Benekos</u> , Maria Tsigara, Stergios Zacharakis, Athanasia G. Tekerlekopoulou and Dimitris V. Vayenas
	Removal of nitrates and ammonium from potable water using Electrochemical Methods
	Environment
13:00-14:00	Lunch Break - Poster Session II
14:00-15:15	Session III: Graduate Students' Oral Presentations III
14:00-14:15	O12: <u>Dimitrios Passaras</u> , George Kokkoris and Eleftherios Amanatides
	Turbulence models for plasma jets
	Nanotechnology/Advanced Materials
14:15-14:30	O13: <u>Polytimi Papavasileiou</u> , Stamatis Koutras, Sofia Terzopoulou and Michael Kornaros

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	Dilute Sulfuric Acid Pretreatment of Rice Hull for Natural Phenolic Antioxidants Production by Microalgae
	Biosciences/Biotechnology/Environment
14:30-14:45	O14: <u>Kapil Bhorkar</u> and Spyros Yannopoulos
	The mechanism behind failure of MoS₂ as solid lubricant
	Nanotechnology/Advanced Materials
14:45-15:00	O15: <u>Andreas Tzachristas</u> , Varvara Sygouni, Christakis Paraskeva Paraskeva, Petros Koutsoukos, Dimitra Kanellopoulou, John Parthenios and Roxani-Eirini Malamoudi
	Investigation of the effect of wettability on salt precipitation in microchips
	Energy
15:00-15:15	O16: <u>Nikos Mourgkogiannis</u> , Hrissi Karapanagioti, Alexis Lycourghiotis, Christos Kordulis, Eleana Kordouli and Ioannis Nikolopoulos
	Physical and chemical properties of biochar produced by pyrolysis of biomass
	Environment
15:15-15:50	Coffee Break - Poster Session III
15:50-17:30	Session IV: PostDocs' Oral Presentations
15:50-16:10	O17: <u>Dimitris Zagklis</u> , Constantinos Papageorgiou and Christakis Paraskeva
	Wastewater treatment and circular economy
	Environment
16:10-16:30	O18: <u>Antonia Marazioti</u> , Konstantina Papadia, Maria Kannavou, Georgios T. Stathopoulos and Sophia Antimisiaris
	CELLULAR VESICLES AS POTENTIAL TARGETED DRUG DELIVERY SYSTEMS
	Biosciences/Biotechnology
16:30-16:50	O19: <u>Elli Maria Stergiopoulou</u> , Ioanna Ntaikou, <u>Maria Alexandropoulou</u> , Georgia Antonopoulou and Gerasimos Lyberatos
	Dark fermentation of a sugar- based wastewater: the effect of bioreactor start -up and hydraulic retention time on distribution of metabolites and hydrogen yield

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	Energy, Environment
16:50-17:10	O20: <u>Jack Kodros</u> and Kalli Florou
	Rapid nocturnal aging of biomass burning as a source of oxidized organic aerosol
	Environment
17:10-17:30	O21: <u>Georgios Dimitrakopoulos</u> , Aris Gioutlakis, Maria Klapa and Nicholas Moschonas
	Evaluating the expansion of the experimentally determined human protein interactome using the PICKLE meta-database
	Biosciences/Biotechnology
17:30-18:00	Coffee Break - Poster Session IV
18:00- 18:45	Invited speaker's lecture: "Metal oxides: development of materials for innovative applications"
	Professor Vassilis Zaspalis, Head of School of Chemical Engineering and Director of the Laboratory of Materials Technology, Aristotelian University of Thessaloniki
18:45-19:00	Workshop Statistics - Closing Remarks
	Dr. V. Burganos Director, FORTH/ICE-HT & Prof. D. Vagenas, ChemE Dept., U. of Patras
19:00-19:15	Workshop Awards
19:15	Workshop Gala Dinner