

REQUIMTE's PROJECTS PRESENTATIONS

15th March - Universidade do Porto

PROJECTS

**Proj.
No.**

9:30 - 10:50	Extraction of added value compounds from orange peel wastes: application to mixed biodegradable films	1
	Evaluation of the in vitro antioxidant activity of non-steroidal anti-inflammatory drugs (NSAIDS)	2
	Development of sustainable chemical catalytic processes by integration of nanofiltration and non-conventional solvents	3
	Molecular determinants of ligand specificity in family 11 carbohydrate binding modules: An X-ray crystallography, NMR and computational chemistry combined approach	4
10:50 - 11:20	COFFEE BRAKE	
11:20 - 12:20	Anthocyanins blues. A green approach towards food colorants and new pigments based on anthocyanins and synthetic flavylum salts	5
	Development of electrochemical biosensors for on-line determination of nitrite and nitrate in complex systems	6
	Separation and characterization of bioactive peptides from whey hydrolysis to be applied in food and pharmaceutical industries	7
12:20 - 14:00	LUNCH BRAKE	
14:00 - 15:20	Synthesis and neurotoxic evaluation of methylenedioxymethamphetamine (MDMA;ECSTASY) and its metabolites in rat cortical neurons	8
	Integrated process for production of drug-loaded micro/nano sized polymers using supercritical fluid technology	9
	Bioassay- Guided isolation and identification of anti-inflammatory and antioxidant compounds from medicinal extract of pedilanthus tithymaloides	10
	Chiral chelators for industrial and domestic applications: Synthetic, complexation and biodegradation studies	11
15:20 - 16:00	COFFEE BRAKE	
16:00 - 17:00	Monitoring of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) residues in wastewaters: development of portable systems for fast quantification of NSAIDs and laboratory validation using chromatographic methods	12
	Protective role of antioxidants at DNA oxidative damages: Biosensors, mechanism and screening	13
	Monitoring, Optimization and Control of PHA production by mixed microbial cultures on vibrational spectroscopy	14
	Influence of the metabolic activation of 3,4- methylenedioxymethamphetamine (MDMA, ecstasy) on the hyponatremic effect associated with acute intoxications with this drug of abuse	15

No.	PROJECT	TEAM	
		CQFB	CEQUP
1	Extraction of added value compounds from orange peel wastes: application to mixed biodegradable films	Ana Ramos Angela Relva Isabel Coelho	Alberto Sereno Maria do Pilar Gonçalves Loic Hilliou
2	Evaluation of the in vitro antioxidant activity of non-steroidal anti-inflammatory drugs (NSAIDs)	Abel Vieira Rui Duarte Pedro Santos	Eduarda Fernandes Rita Silva David Costa
3	Development of sustainable chemical catalytic processes by integration of nanofiltration and non-conventional solvents	João Paulo Crespo Svetlozar Velizarov José Santos Luís Branco	Ana Cristina Freire Ana Silva Pankaj Das
4	Molecular determinants of ligand specificity in family 11 carbohydrate binding modules: An X-ray crystallography, NMR and computational chemistry combined approach	Eurico Cabrita Ana Luísa Carvalho Maria dos Anjos Macedo	Maria João Ramos Pedro Fernandes
5	Anthocyanins blues. A green approach towards food colorants and new pigments based on anthocyanins and synthetic flavylum salts	Maria João Melo António Parola João Carlos Lima	José Ferreira Gomes Alexandre Magalhães
6	Development of electrochemical biosensors for on-line determination of nitrite and nitrate in complex systems	Maria Gabriela Almeida Stephane Besson Cristina Cordas	Maria Conceição Montenegro Alberto Araújo Cristina Couto Sofia Gomes
7	Separation and characterization of bioactive peptides from whey hydrolysis to be applied in food and pharmaceutical industries	Pedro Tavares Maria Alice Pereira Isabel Timóteo	Isabel Ferreira Maria Beatriz Oliveira Maria Olívia Pinho Maria Virgínia Mota
8	Synthesis and neurotoxic evaluation of methylenedioxymethamphetamine (MDMA; ECSTASY) and its metabolites in rat cortical neurons	Paula Branco Luísa Ferreira Maria Manuel Marques Artur Abreu	Félix Carvalho Fernando Remião João Capela
9	Integrated process for production of drug-loaded micro/nano sized polymers using supercritical fluid technology	Ana Ricardo Teresa Casimiro	Rui Lapa João Santos João Prior Pedro Maia
10	Bioassay- Guided isolation and identification of anti-inflammatory and antioxidant compounds from medicinal extract of pedilanthus tithymaloides	Pedro Abreu Susan Mathew Yong Hong Liu	Marcela Segundo Ivone Pinto Luís Magalhães
11	Chiral chelators for industrial and domestic applications: Synthetic, complexation and biodegradation studies	Maria Teresa Barros Maria Ascensão Reis	Helena Soares Alberta Santos
12	Monitoring of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) residues in wastewaters: development of portable systems for fast quantification of NSAIDs and laboratory validation using chromatographic methods	Gilda Carvalho João Paulo Noronha	João Prior Karine Lopes Marques
13	Protective role of antioxidants at DNA oxidative damages: Biosensors, mechanism and screening	Alexandra Antunes José Gonçalo Justino José Luís Capelo Martinez	Cristina Delerue-Matos Maria do Carmo Vaz Maria Goreti Sales Maria de Fátima Barroso
14	Monitoring, Optimization and Control of PHA production by mixed microbial cultures on vibrational spectroscopy	Rui Oliveira Mário Eusébio Isabel Coelho	João Lopes Adriano Fachini Mafalada Sarraguça
15	Influence of the metabolic activation of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy) on the hyponatremic effect associated with acute intoxications with this drug of abuse	Mário Gomes Ana Lourenço	Helena Carmo Maria Paula Pinho