

Tuesday, 7th September 2021

PLEASE NOTE THAT THIS TIMETABLE IS INDICATED IN CENTRAL EUROPEAN SUMMER TIME (CEST). THE ACTUAL TIME IN PORTUGAL IS GREENWICH TIME, CORRESPONDING TO CEST-1 HOUR

Plenary lecture					
9:30-10:15	PL	Klaas de Groot Award 2020 Lecture		Mário Barbosa	PT
S1 COST AERoGELS: Wound materials-based dressings and aerogels processing Chairs: Rosana Simón (ES) and Ana Luísa Torres (PT)					
10:15-10:45	KL	Functional Bacterial Nanocellulose Materials		Anna Roig	ES
10:45-11:00	O	Alginate aerogel capsules obtained by prilling in tandem with supercritical drying for wound healing applications		Pasquale Del Gaudio	IT
11:00-11:15	O	Alginate and Hyaluronic Acid Aerogels as Novel Materials for Wound Dressing applications		Tamara Athamneh	JO
11:15-11:30	O	Mid-term stability of starch-based aerogels upon storage		Víctor Santos-Rosales	ES
11:30-11:45	O	Integrated process of supercritical extraction of hemp seed flour and impregnation on starch xerogel and aerogel		Ivana Lukić	RS
11:45-12:15	COST AERoGELS: Coffee-Break & ePoster S1				
ePoster S1					
ePoster session 1 will be only in online format. All authors presenting should attend virtually during the ePoster session 1. Chair: Pasquale Del Gaudio (IT)					
Pre-recording presentations					
1 – M. Koel , P. Jõul, T. Lukk, Development of lignin-based aerogels					
2 – A. L. Peikolainen , M. Uibu, A. Aabloo, Sol-gel Derived Carbon Microspheres by Continuous Ultrasonic Spray Pyrolysis					
11:45-12:03	3 – J. M. Pajnik , I. Z. Lukic, S. L. Milovanovic, Impregnation of starch aerogels with eugenol in supercritical carbon dioxide				
4 – S. Y. Srinivasan , N. B. Cases, D. Kukhtar, P. A. Illera, J. C. Madrigal, M. M. Zoccola, R. I. F. García, A. Laromaine, C. elegans as animal model for cardiac arrhythmia - the case of Polypyrrole Nanoparticles					
5 – S. Y. Srinivasan , O. Zapata, M. Campoy, A. Laromaine, Bacterial Nanocellulose-Polypyrrole (BC-Ppy) composites as scaffolds for cardiac resynchronization					
12:03-12:15	Open discussion: Q&A				
S2 COST AERoGELS: 3D-scaffolds-based aerogels for tissue regeneration Chairs: Sílvia Bidarra (PT) and Ana Leite Oliveira (PT)					
12:15-12:45	KL	Fabrication of bi-functional drug-laden 3D printed aerogel-based scaffold from antibacterial and biocompatible RGD-AMP modified silk fibroin-silica hybrid ink		Hajar Maleki	DE
12:45-13:00	O	Textural and biological evaluation of 3D-printed alginate-hydroxyapatite aerogel scaffolds		Ana Iglesias-Mejuto	ES
13:00-13:15	O	Ethyl cellulose composites with polylactic acid in tissue engineering		Gabrijela Horvat	SI
13:15-13:30	O	In vitro and in vivo biocompatibility and biodistribution screening of aerogel products		Szemán-Nagy Gábor	HU
13:30-14:30	Lunch break COST AERoGELS Symposium & Joint YSF: ESB-AERoGELS Action event				

YSF				
Joint YSF: ESB-AERoGELS Action event: Educational session for science writing				
13:30-13:35	Welcome: YSF ESB Board Officer & Carlos A. García-González (AERoGELS COST Action Chair)			
13:35-13:50		Effective graphical abstract and cover	Maria Southall Editor Biomaterials Science, Royal Society of Chemistry	
13:50-14:05		From data selection to the best graphical representation	Uta Goebel Editor-in-Chief Advanced Healthcare Materials, Wiley	
14:05-14:20		Assembling figure panels	Christine Horejs Chief Editor Nature Reviews Materials, Nature	
14:20-14:30	Open discussion: <i>Q&A to Speakers</i>			
ECIF				
COST AERoGELS: Early-career investigators Forum				
Chairs: Joana Barros (PT) and Tamara Athamneh (JO)				
14:30-14:42	ECI	Structure and properties of silk fibroin based aerogel particles prepared by emulsion-gelation followed by supercritical CO ₂ for wound healing	Beatriz G. Bernardes	PT
14:42-14:54	ECI	Gold nanoparticles as a part of a photothermal therapy system	Tânia Ferreira- Gonçalves	PT
14:54-15:06	ECI	IBU/ZIF-8@Graphene Oxide Aerogels as scaffolds for bone tissue regeneration.	Alejandro Borrás	ES
15:06-15:18	ECI	Mechanical properties of a conductive porous material produced by biopolymer cryogel as template and its potential application as extracellular matrix in biological cell culture	Ricardo Starbird- Perez	ES
15:18-15:30	ECI	Fabrication of chitosan/alginate aerogels with antibacterial properties	Jelena M. Pajnik	RS
15:30-15:42	ECI	Biological effect of alginate aerogel microparticles for pulmonary administration	Lara Diego- González	ES
15:42-15:54	ECI	Polysaccharide κ-Carrageenan as doping agent in conductive coatings for Electrochemical Controlled Release of Dexamethasone at Therapeutic Doses	Karla Ramírez- Sánchez	CR
16:00-16:30				
COST AERoGELS: Coffee-Break & ePoster S2				
ePoster S2	<i>ePoster S2 will consist only of the pre-recorded video presentations. Not needed the presenting authors to attend this session.</i>			
S3				
COST AERoGELS: Drug-delivery systems and Nutraceutical/food systems				
Chairs: Bruno Sarmento (PT) and Catarina Pinto Reis (PT)				
16:30-17:00	KL	Bioaerogels prepared using the Pressurized Gas eXpanded liquid (PGX) process as delivery systems for hydrophobic bioactives	Feral Temelli	CA
17:00-17:15	O	Protective and Functional Coatings of Alginate Aerogel Particles as a Drug Carrier	Işık Sena Akgün	TR
17:15-17:30	O	Potential of whey protein aerogels as delivery systems in food: structural characterization and physical stability	Stella Plazzotta	IT
17:30-17:45	O	Whey protein aerogel particles as templates to produce oleogels with tailored digestibility	Sonia Calligaris	IT
17:45-18:00	O	Ultrasonic Detection of Aerogel coupons for Biomedical Applications	Firouzeh Sabri	US
18:00-18:30				
COST AERoGELS: Awards & Closing session				
Chairs: Carlos A. García-González (ES) and Fernando J. Monteiro (PT)				

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AERoGELS Management Committee and WG1- meeting

9:30-10:00	Coffee-Break
10:00-12:30	AERoGELS Management Committee
12:30 – 14:00	Lunch Break
14:00-15:30	WG1-meeting