

[R] TEXTILE & CHEMISTRY EVOLUTION

New
Generation
of Textiles
and
Processes

XXV INTERNATIONAL
IFATCC CONGRESS

27-29

APRIL 2021
ENSAIT, ROUBAIX
FRANCE

Online Event



**Association of Textile
Industry Chemists**



International Federation
of Associations of Textile
Chemists and Colourists

HUNTSMAN

Enriching lives through innovation


**Everlight
Chemical**

CONFERENCES SCHEDULE

TUESDAY 27TH APRIL 2021: MORNING

Time	Conferences topics	Name	Company
09:00 to 09.20	Opening		
	Chairman Co – Moderator	Prof Giuseppe Rosace Prof Anne Perwuelz	AICTC / IFATCC ACIT / IFATCC
09.27 to 10.02	Plenary conference Collaborative innovation for future textile	Louis Vovelle	Elkem, Techtera (France)
10.02 to 10.27	Improvement of the flame retardancy of cork by phosphorylation – Application to artificial turf structures	Angeline Paturel	Lille University (France)
10.27 to 10.52	Monitoring and strain sensing of bio-based fabrics with conductive sisal yarns	Ahmed Abed	ENSAIT, Gemtex (France)
10.52 to 11.17	Production and evaluation of antibacterial microcapsules impregnated to different fabrics	Arianne Lopez	INTEXTER UPC (Spain)
11.17 to 11.30:	Break		
11.30 to 11.55	The Archroma Way "Color Source": An infinite flow of colors engineered to bring your inspiration to life into achievable and sustainable designs & collections	Christophe Maestriperi	Archroma (Switzerland) - ACIT
11.55 to 12.20	Eco-dyeing by cationization – The challenging way towards the sustainable fashion	Jan Marek	InoTEX (Czech Republic)
12.20 to 12.45	Natural antimicrobials for functionalizing polyester textiles: methods and toxicological comparison	Massika Nemeshwaree Behary	ENSAIT, Gemtex (France)
12.50 to 12.55	Research project pitches		
12.55 to 13.00	1. Wetting transitions on hydrophobic textile materials under stress	Dominique Dupuis	ENSISA, Mulhouse – (France)
13.00 to 13.05	2. Forced wetting of hydrophobic textile materials : Medical Application		
	3. Preparation and characterization of electrospun alginate/PVA nanofibers loaded with ofloxacin as a potential bioactive wound dressing.	Mohammadi Parian	Amirkabir university, Tehran (Iran)

CONFERENCES SCHEDULE

TUESDAY 27TH APRIL 2021: AFTERNOON

Time	Conferences topics	Name	Company
	Chairman Co – Moderator	Prof. Meritxell Martí Prof Massika Behary Nemeshwaree	AEQCT / IFATCC ACIT / IFATCC
14.05 to 14.40	Plenary conference Circular economy for fashion and textiles	Chiara Catgiu	Ellen MacArthur Foundation (UK)
14.40 to 15.05	Building bridges between circular economy and bio-based economy	Mattia Comotton	Aquafil (Italy)
15.05 to 15.30	Sustainability of resources and readiness to follow circular economy – An extensional tasks of TC starting by fibres	Jan Marek	InoTEX (Czech Republic)
15.30 to 15.55	A novel and sustainable technology for development of durable and flexible smart textiles: 3D printing onto textiles	Aurelie Cayla	ENSAIT, Gemtex (France)
15.55 to 16.10	Break		
16.10 to 16.35	Smart Chemistry with Character - From the vision of a sustainable future to specific products and processes	Andreas Troscheit	CHT Germany GmbH (Germany)
16.35 to 17.00	Studies on denim washing with enzyme	Arun Patra	Uttar Pradesh Textile Technology Institute (India)
17.00 to 17.25	Nonwoven textiles from Biogenic Chicken Feather wastes: Sound absorption properties and environmental impact.	Marta Casadesus	UPC (Spain)
17.25 to 17.50	Impact of melt spinning parameters on the physical properties of an immiscible PLA/PCL bioresorbable textile scaffold	Vivien Barral	ENSAIT, Gemtex (France)
17.50 to 18.00	Closing of the first day congress	Prof. Meritxell Martí	AEQCT / IFATCC

CONFERENCES SCHEDULE

WEDNESDAY 28TH APRIL 2021: MORNING

Time	Conferences topics	Name	Company
	Chairman Co – Moderator	Prof Michael Rauch Prof Hayriye Gidik	VDTF / IFATCC ACIT / IFATCC
9.10 to 9.45	Plenary conference Green shades of wool	Crisan Popescu	KAO (Germany)
9.45 to 10.10	Development of reactive dyes for sustainable textiles through ERC solution	Wen-Jang CHEN	Everlight (“Taiwan, China”)
10.10 to 10.35	Present situation of supercritical fluid dyeing and finishing	Hori Teruo	University of Fukui (Japan)
10.35 to 11.00	Sustainability in a textile dyehouse	Utku VAROL	Ekoten (Turkey)
11.00 to 11.10	Break		
11.15 to 11.50	Plenary conference Capture and pilotage of drops on a fibre	David Quere	ESPCI & Ecole Polytechnique (France)
11.50 to 12.15	Novel flexible aerogel fiber constructed from p-aramid nano fibrils	Hirogaki Kazumasa	University of Fukui (Japan)
12.15 to 12.40	Investigating ionic liquid-based click-ionogels by thiol-ene photopolymerization onto textile yarns/fibres	Claude Huniade	University of Borås (Sweden)
12.40 to 13.05	Fire resistant flax composites with low environmental impacts	Marc Vanhoomissen	Veramtex (Belgium)
13.05 to 14.00	Break		

CONFERENCES SCHEDULE

WEDNESDAY 28TH APRIL 2021: AFTERNOON

Time	Conferences topics	Name	Company
	Chairman Co – Moderator	Prof Crisan Popescu Prof Lejeune Joseph	KAO ACIT
14.05 to 14.40	Plenary conference Traceability: the enabler of sustainable fashion	Stéphane Popescu	COSE361 (France)
14.40 to 15.05	Wool Up – The Sustainable re-wool-ution	Begoña GARCIA	Jeanologia (Spain)
15.05 to 15.30	Sustainable dyeing of PLA fibres using natural colourants	Naveen Kumar Balakrishnan	Maastricht University (Netherlands)
15.30 to 15.55	Thermal and hydric characterization of innovative insulation material from recycled textile	Oly Vololonirina	Junia HEI Lille (France)
15.55 to 16.10	Break		
16.10 to 16.35	Fashion show	Márcia de Carvalho	Chaussettes Orphelines (France)
16.35 to 17.00	Tackling the formaldehyde challenge: new latex binder innovation for technical textiles	Daniele Zimmermann	Synthomer (Germany)
17.00 to 17.25	Functional finishing of cotton fabric by water-based formulations of sol-gel premodified polysaccharides	Lenka Martinkova	InoTEX (Czech Republic)
17.25 to 17.50	Valve-jet printing of redox enzyme on polyester textile: a sustainable enzyme immobilization approach	Mohammad Neaz Morshed	ENSAIT, Gemtex (France)
17.50 to 18.00	Closing of the second day of the congress	Prof. Crisan Popescu	KAO

CONFERENCES SCHEDULE

THURSDAY 29TH APRIL 2021: MORNING

Time	Conferences topics	Name	Company
	Chairman	Prof. Mirela Blaga	“Gheorghe Asachi” Technical University of Iasi (RO)
	Co – Moderator	Prof Abdelaziz Lallam	ACIT
9.10 to 9.45	Plenary conference: How collective Action is Transforming an Industry	Frank Michel (CEO ZHDC)	ZHDC (Netherlands)
9.45 to 10.10	Sustainability assessment of biobased colorants in the textile value chain	Matilde Della Fontana	Maastricht University (Netherlands)
10.10 to 10.35	Sustainable recovery process orange peel-based for disperse dyes of textile industry effluents	Marta Riba - Moliner	INTEXTER UPC (Spain)
10.35 to 11.00	Dyeing of cellulosic fibres by dyes obtained from BioSource's	Gabriela Mijas	INTEXTER UPC (Spain)
11.00 to 11.10	Break		
11.10 to 11.35	Electrochemistry for clean industrial productions in textile industry	David Crettenand	RedElec Technologie SA (Switzerland)
11.35 to 12.00	Melt spinning of multifilament filled with nanoparticles for textile reflecting human body infra-red	Joseph Lejeune	ENSAIT, Gemtex (France)
12.00 to 12.25	Graft-copolymerization of vinyl monomers for intumescent flame retardant cellulose fabrics	Giuseppe Rosace	University of Bergamo (Italy)
12.25 to 12.50	Interest of carbon fibres as electrochemical biosensors	Natalie Perrault	CEA LETI DTBS, Grenoble (France)
12.50 to 13.00	Closing of the session program	Prof. Mirela Blaga	“Gheorghe Asachi” Technical University of Iasi (RO)
13.00 to 13.10	Closing of the congress XXV IFATCC CONGRESS		
13.10 to 13.20	Introduction of the XXVI IFATCC congress		