

VIRTUAL EVENT

FINAL PROGRAM



EURO-GLOBAL CONFERENCE ON

BIOTECHNOLOGY AND BIOENGINEERING

06-07
SEPT 2021

EXHIBITOR



Website:

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GMT Timings	Local Timings	
10:00-10:10		Opening Ceremony

Chair: Hector M Alvarez, National University of Patagonia San Juan Bosco, Argentina

Keynote Presentations

10:10-10:50	12:10-12:50	Title: Probiotic cellulose: A new biomaterial for antibiotic-free therapy of bacterial infections <i>Jose M Dominguez Vera, University of Granada, Spain</i>
10:50-11:30	18:50-19:30	Title: The potential of laccase produced from fungi for biotransformation of polycyclic aromatic hydrocarbons <i>Tony Hadibarata, Curtin University Malaysia, Malaysia</i>
11:30-12:10	08:30-09:10	Title: Bioengineering <i>Oleaginous rhodococcus</i> as bacterial biofactories for oil-related compounds production <i>Hector M Alvarez, National University of Patagonia San Juan Bosco, Argentina</i>
12:10-12:50	14:10-14:50	Title: Biocatalytic membrane reactors towards process intensification in biocatalysis and biorefinery <i>Rosalinda Mazzei, National Research Council, ITM-CNR, Italy</i>

Exhibitor

12:50-13:05 14:50-15:05 **Genscript, Netherlands**

Poster Presentations I

13:05-13:15	22:05-22:15	Title: Raspberry ketone production from glucose by metabolic engineered <i>Escherichia coli</i> <i>Shunsuke Masuo, University of Tsukuba, Japan</i>
13:15-13:25	22:15-22:25	Title: Identification of non-conventional p-hydroxybenzoate hydroxylase family proteins <i>Nozomi Katsuki, University of Tsukuba, Japan</i>

13:25-13:35 18:55-19:05 Title: Sortase a mediated peptide recruitment as a potential anti-virulence treatment for *Staphylococcus aureus* infection

Poonam Kumari, National Institute of Pharmaceutical Education & Research (NIPER), India

Oral Presentations

13:35-13:55 22:35-22:55 Title: Numerical simulation on the effects of fish's body thickness and head swing motion on its swimming performance

Shuhei Yoshida, Kyoto Institute of Technology, Japan

13:55-14:15 22:55-23:15 Title: Fundamental study on the airflow in the patient-specific lung models by AcuSolve

Mako Uchio, Kyoto Institute of Technology, Japan

14:15-14:35 22:15-22:35 Title: The role of 3D printing and bioprinting in engineering a bioartificial pancreas for regenerative medicine in diabetes

Jia Min Lee, Nanyang Technological University, Singapore

14:35-14:55 20:05-20:25 Title: Green synthetic biology for sustainable production of food, feed, advance biomaterials, and personal care ingredients

Santanu Dasgupta, Reliance Industries Ltd., India

14:55-15:15 15:55-16:15 Title: Improvement of saffron '*Crocus sativus* L.' by plant biotechnology

Mohammed Amine Serghini, Ibn Zohr University, Morocco

15:15-15:35 17:15-17:35 Title: Assignment of sigma factors of RNA polymerase to promoters by *in vivo* and *in vitro* systems in *Rhodococcus* sp.

Hana Dostalova, Institute of Microbiology of the CAS, Czech Republic

15:35-15:55 16:35-16:55 Title: Improving bioprocesses by using adaptation strategies of *Rhodococcus*

Carla C.C.R. de Carvalho, University of Lisbon, Portugal

15:55-16:15 12:55-13:15 Title: Cassava peel an unexplored lignocellulosic residue for the xyloooligosaccharides production: Potential pretreatments

Cristiano Jose de Andrade, Federal University of Santa Catarina (UFSC), Brazil

16:15-16:35 18:15-18:35 Title: Influence of photobiomodulation at 830 nm on proliferation and differentiation in diabetic wounded human skin fibroblast cells

Olajumoke Oyebode, University of Johannesburg Doornfontein, South Africa

16:35-16:55 18:35-18:55 Title: *Rhodococcus spp.* interactions with metals: Resistance mechanisms and bioconversion into metal-based nanomaterials

Martina Cappelletti , University of Bologna, Italy

Poster Presentations II

16:55-17:05 18:55-19:05 Title: Monitoring of clonal fidelity of highbush blueberry cultures propagated by axillary and adventitious shoots

Marzena Mazurek, University of Rzeszow, Poland

17:05-17:15 18:05-18:15 Title: Post-transcriptional control in the regulation of bioplastics synthesis

Alexandra Peregrina, NOVA University Lisbon, Portugal

17:15-17:25 19:15-19:25 Title: Newly isolated microalgae as immunostimulants for rainbow trout (*Oncorhynchus mykiss*)

Timea Ottilia KOBORI, Bay Zoltan Nonprofit Ltd. for Applied Research, Hungary

17:25-17:35 20:25-20:35 Title: Optimum magnetic navigation of nanoparticles inside the human carotid

Ioannis E. Sarris, University of West Attica, Greece

17:35-17:45 19:35-19:45 Title: Nutritional and phytochemical profile of pomegranate ("Wonderful variety") peel and its effects on hepatic oxidative stress and metabolic alterations

Chika Ifeanyi Chukwuma, Central University of Technology, South Africa

17:45-17:55 20-45:20-55 Title: Affinity effects on the release of genetic material from polyether-urethane particles

Florin Borcan, University of Medicine and Pharmacy, Romania

17:55-18:05 19:55-20:05 Title: Functional analysis of mycobacterial two-component signal transduction systems 6236/6238 of *Mycobacterium smegmatis* with the use BIOLOG OmniLog System

Katarzyna Strus, University of Rzeszow, Poland

18:05-18:15 21:05-21:15 Title: Ophthalmic in situ gels with balsam poplar buds extract: Formulation, rheological characterisation and quality evaluation

Monika Stanciauskaite, Lithuanian University of Health Sciences, Lithuania

END of Day 1

GMT Timings	Local Timings
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Moderator: **Rosalinda Mazzei**, National Research Council, ITM-CNR, Italy

Keynote Presentations

10:00-10:40	12:00-12:40	Title: Strategy in crystallization process to ensure solid state stability of drug substance Marino Nebuloni , Parma University, Italy
10:40-11:20	12:40-13:20	Title: Drying techniques to stabilize nanotechnology Francesca Selmin , University of Milan, Italy
11:20-12:00	13:20-14:00	Title: Modification of peptides to increase their cellular uptake Zoltan Banoczi , Institute of Chemistry, Eotvos Lorand University, Hungary
12:00-12:40	13:00-13:40	Title: Synthesis and characterization of biosynthetic cellulose based hydrogels with the potential wound dressing applications to tackle chronic wounds Abhishek Gupta , University of Wolverhampton, Walsall Campus, UK
12:40-13:20	09:40-10:20	Title: Snake and scorpion venom as a source for drugs to treat cancer and central nervous system diseases Leo K Iwai , Butantan Institute, Brazil

Oral Presentations

13:20-13:40	23:20-23:40	Title: <i>In vitro</i> anticancer screening of crude plant polar extracts Janice Mani , Central Queensland University, Australia
13:40-14:00	16:40-17:00	Title: Crystallization Process of API (Active Pharmaceutical Ingredients) for Dosage form Design Md Abdur Rashid , King Khalid University, Abha, Saudi Arabia

14:00-14:20	16:00-16:20	Title: <i>In vitro</i> pharmacokinetics of topically applied compounds from various formulations across porcine skin Armored Diane van Eyk, University of the Witwatersrand, South Africa
14:20-14:40	17:20-17:40	Title: Experimental design of ciprofloxacin HCl-loaded nanoparticle formulation for an enhanced antimicrobial activity Ozge Esim, Ankara University, Turkey
14:40-15:00	11:40-12:00	Title: Enzymatic production of xylooligosaccharides (XOS) from <i>Nothofagus pumilio</i> sawdust Luciana Lehuède, University of Chile, Chile
15:00-15:20	17:00-17:20	Title: Synchronization between peripheral circadian clock and feeding-fasting cycles in microfluidic device sustains oscillatory pattern of transcriptome Onelia Gagliano, University of Padova, Italy
15:20-15:40	20:50-21:10	Title: Boosting oral bioavailability through solid lipid nanoparticle approach Bhupendra Gopalbhai Prajapati, Shree S.K.Patel College of Pharmaceutical Education and Research, India
15:40-16:00	20:10-20:30	Title: Application of <i>Camellia sinensis</i> (L.) Kuntze in traditional medicine and virus control Mansureh Ghavamm, University of Kashan, Iran
16:00-16:20	18:00-18:20	Title: Design and formulation of doxycycline polymeric nanoparticles and testing antitumor and antiangiogenic activity in mouse colon cancer model Sawsan Zaitone, Suez Canal University, Egypt
16:20-16:40	13:20-13:40	Title: Mechanistic Insights into side effects of Troglitazone and Rosiglitazone using a novel inverse molecular docking approach Katarina Kores, University of Maribor, Slovenia
16:40-17:00	18:40-19:00	Title: Amelioration effect of black seed oil against high-fat diet-induced obesity in rats through Nrf2/HO-1 pathway Nada Fawzy Abo EL-Magd, Mansoura University, Egypt

UPCOMING CONFERENCES

2nd Edition of Euro-Global Conference on
Biotechnology and Bioengineering

June 13-15, 2022 | Rome, Italy

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