

VIRTUAL EVENT

# FINAL PROGRAM



4<sup>TH</sup> EDITION OF GLOBAL CONFERENCE ON

# PHARMACEUTICS AND DRUG DELIVERY SYSTEMS

06-07

SEPT 2021

EXHIBITOR



Website:

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GMT  
TimingsLocal  
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

Jose M Dominguez Vera, University of Granada, Spain

10:50-11:30 18:50-19:30 Title: The potential of laccase produced from fungi for biotransformation of polycyclic aromatic hydrocarbons

Tony Hadibarata, Curtin University Malaysia, Malaysia

11:30-12:10 08:30-09:10 Title: Bioengineering *Oleaginous rhodococcus* as bacterial biofactories for oil-related compounds production

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

12:10-12:50 14:10-14:50 Title: Biocatalytic membrane reactors towards process intensification in biocatalysis and biorefinery

Rosalinda Mazzei, National Research Council, ITM-CNR, Italy

## 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 *Escherichia coli*

Shunsuke Masuo, University of Tsukuba, Japan

13:15-13:25 22:15-22:25 Title: Identification of non-conventional p-hydroxybenzoate hydroxylase family proteins

Nozomi Katsuki, University of Tsukuba, Japan

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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 Oyeboode, University of Johannesburg Doornfontein, South Africa

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## Poster Presentations II

16:35-16:45 18:35-18:45 Title: Monitoring of clonal fidelity of highbush blueberry cultures propagated by axillary and adventitious shoots

Marzena Mazurek, University of Rzeszow, Poland

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16:45-16:55 17:45-17:55 Title: Post-transcriptional control in the regulation of bioplastics synthesis

Alexandra Peregrina, NOVA University Lisbon, Portugal

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16:55-17:05 18:55-19:05 Title: Newly isolated microalgae as immunostimulants for rainbow trout (*Oncorhynchus mykiss*)

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

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17:05-17:15 20:05-20:15 Title: Optimum magnetic navigation of nanoparticles inside the human carotid

Ioannis E. Sarris, University of West Attica, Greece

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17:15-17:25 19:15-19:25 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

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17:25-17:35 19:25-19:35 Title: *Rhodococcus* spp. interactions with metals: Resistance mechanisms and bioconversion into metal-based nanomaterials

Martina Cappelletti, University of Bologna, Italy

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17:35-17:45 20:35-20:45 Title: Affinity effects on the release of genetic material from polyether-urethane particles

Florin Borcan, University of Medicine and Pharmacy, Romania

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17:45-17:55 19:45-19:55 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

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17:55-18:05 20:55-21:05 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  <b>Marino Nebuloni, Parma University, Italy</b>
10:40-11:20	12:40-13:20	Title: Drying techniques to stabilize nanotechnology  <b>Francesca Selmin, University of Milan, Italy</b>
11:20-12:00	13:20-14:00	Title: Modification of peptides to increase their cellular uptake  <b>Zoltan Banoczi, Institute of Chemistry, Eotvos Lorand University, Hungary</b>
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  <b>Abhishek Gupta, University of Wolverhampton, Walsall Campus, UK</b>
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  <b>Leo K Iwai, Butantan Institute, Brazil</b>

## Oral Presentations

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

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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 Lehuede, 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

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6<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**

June 13-15, 2022 | Rome, Italy

<https://pharma.magnusconferences.com>

5<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**

March 28-30, 2022 | Singapore

<https://magnusconferences.com/pharmaceutical-sciences/>

7<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**

September 08-10, 2022 | Paris, France

<https://pharmaceuticsconference.com/>

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