

Technology Showcase For Sustainable Ingredients Matchmaker (SIMM)

Showcase 2: Sustainable Ingredients For Skin & Personal Care

-- Organized by TechEx.in --

POTENTIAL GAINS	<ul style="list-style-type: none"> • Listen to technology presentations and interact with the innovators. • Hand-holding by TechEx.in team for taking innovations to market. • E-Meet and network with experts, innovators and enthusiasts in the SIMM domain from India and abroad.
ORGANIZED BY	<ul style="list-style-type: none"> • TechEx.in, a Tech Transfer Office at Venture Center
SUPPORTED BY	<ul style="list-style-type: none"> • Venture Center • National Biopharma Mission • BIRAC
FOR WHOM	<ul style="list-style-type: none"> • Business development professionals from skin care, personal care and cosmetic products manufacturers. • Startups, entrepreneurs, investors, small/ medium and large-scale companies/ corporates looking for sustainable technologies and green products. • Individuals interested in knowing about the technologies
WHEN	Thursday, 12 October 2023 Time: 4:00 PM-6:00 PM (Indian Standard Time)
WHERE	All sessions will be held on an online platform.
CONTACT	<p>Technical queries: Ms Pradnya A. tto@venturecenter.co.in</p> <p>Registration queries: Mr Vineet Joshi vineet.joshi@venturecenter.co.in</p>
REGISTRATION	<ul style="list-style-type: none"> • FREE and on a first come first serve basis, but registration is mandatory. • Register here: forms.gle/fcTcDNcaNwaM7ATR6 • Technology Seekers (invitees and attendees) have an option to attend the event anonymously. To choose this option, please check the relevant box while registering. <p><u>Please note:</u></p> <ul style="list-style-type: none"> • The registered attendees will receive the link for the online session one day prior to the event. • Organizers reserve the right to select participants so as to optimize the group for better interaction and ensure benefit to as many relevant participants as possible.

Introduction

Online technology showcase event to bring together technology providers and technology seekers working in Sustainable Ingredients for Skin & Personal Care domain. The showcase aims to facilitate technology matchmaking and potential technology transfers, collaborative projects or sponsored research projects.

Showcase includes

- Welcome address from Director, Venture Center
- Pitches by the innovators followed by a Q & A session
- Expert opinions

Showcase 2 Schedule

Time	Duration	Session title	Speaker
4:00- 4:05 PM	5 mins	Introduction to Venture Center and TechEx.in	Kavita Parekh
4:05- 4:15 PM	10 mins	Set the stage for the showcase	<ul style="list-style-type: none"> • Premnath V, Director Venture Center • Pradnya Aradhye
4:15- 4:25 PM	10 mins	High-Yielding Bioprocess For Pullulan Using Novel Indigenous Strain	Dr Anirban Roy Choudhury CSIR-IMTECH
4:25- 4:30 PM	5 mins	Q & A	
4:30- 4:40 PM	10 mins	Green Technology For Biosynthesis Of Cetearyl Alcohol	Dr Syed Shams Yazdani DBT-ICGEB
4:40- 4:45 PM	5 mins	Q & A	
4:45- 4:55 PM	10 mins	Sustainable Bioprocess For Production Of "Green" Paraffins	Dr Syed Shams Yazdani DBT-ICGEB
4:55- 5:00 PM	5 mins	Q & A	
5:00- 5:10 PM	10 mins	Bio-Derived Furanic Polymers As Skin-friendly Sunscreen	Dr Kannan Srinivasan CSIR-CSMCRI
5:10- 5:15 PM	5 mins	Q & A	
5:15 –6:00PM	45 mins	Concluding session - Comments from experts, Instructions for next steps and Vote of thanks	<ul style="list-style-type: none"> • Dr Vilas Sinkar • Dr Sanjay Nene • Dr Sudhakar Mhaskar • Dr Premnath V

About the Speakers (in alphabetical order of last names)



Dr Anirban Roy Choudhary
Senior Principal Scientist, CSIR-Institute of Microbial Technology, Chandigarh

Dr Anirban Roy Choudhury is a Senior Principal Scientist in the field of microbiology and biotechnology at CSIR- Institute of Microbial Technology which is one of the premier CSIR labs based out of Chandigarh. With more than 2 decades of experience in the industry and academia, Dr Anirban is an adept researcher in Bioprocess Development and Scale up; Fermentative production of polysaccharides and Polysaccharide based biomaterials.

The main areas of his research domain include fermentative production of various commercially important biomolecules and his laboratory is actively working on polysaccharides which are one of the most abundant but relatively less exploited biomolecules. He is extensively involved in the research of polysaccharides ranging from screening, production and scale up of polysaccharide fermentation to developing biomaterials which has diverse applications.



Dr Kannan Srinivasan
Director, CSIR - Central Salt & Marine Chemicals Research Institute

Dr Kannan Srinivasan is currently the Director of CSIR- Central Salt & Marine Chemicals Research Institute. His field of research include Chemical Sciences with focus on heterogeneous catalysis and material sciences. He holds a M.Sc & Ph.D in the field of Chemistry from IIT Madras and did his Post-doctoral research from NCL, Pune.

His current research activities include heterogeneous catalytic transformation of biomass to chemicals and fuels including bio-diesel, linear alkanes, levulinic acid derivatives, furan derivatives, bio-based polymers, epoxidized oils and castor oil derived chemicals. He has worked extensively in synthesis, including intercalation, delamination & restacking, solid state transformation and polytypism, and characterization of hydrotalcite-like or layered double hydroxides compounds, pillared and expanded cationic clays, layered perovskites, mesoporous materials, metal carbonates, mixed metal oxides and supported metal oxides (both in nano and micro dimensions), commercial resins.

Dr Kannan has further explored them as heterogeneous catalysts for the synthesis of fine chemicals of industrial importance in particular perfumery chemicals, bio-fuels, renewable chemicals, CO₂ derived chemicals and as adsorbents for environmental remediation and investigated them through microscopic and spectroscopic techniques and model catalytic studies with a view to understand the structure-property-activity relationships. He has also carried out scale-up of the processes and technology development for commercial exploitation and know-how transfer.



Dr Syed Shams Yazdani
Group Leader, DBT - International Centre for Genetic Engineering and Biotechnology

Dr. Syed Shams Yazdani is Group Leader of the Microbial Engineering, Integrative Biology group and Coordinator of DBT-ICGEB Centre for Advanced Bioenergy Research at the International Centre for Genetic Engineering and Biotechnology in New Delhi, India. His research Interests are in metabolic engineering, cellulolytic enzymes, and biofuels. He holds a BSc (Hons) Chemistry from Aligarh Muslim University and MSc and PhD (Biotechnology) from Jawaharlal Nehru University. His group is currently involved in development of technologies for fungal enzymes, C5/C6 sugar fermentation and advanced biofuels production, such as butanol, fatty alcohols and alkanes.

His early career research led to the development of technologies for production of recombinant streptokinase and recombinant malaria vaccine candidates, which were transferred to industries for cGMP production, clinical trials and commercialization. He was further involved in a breakthrough discovery during his research at Rice University, Houston, USA as an overseas fellow, where a novel pathway was identified in E. coli to produce bioethanol from glycerin, a waste from the biodiesel industry.

Dr Yazdani is an author of >50 publications in high impact international journals and 15 patent applications. He leads several multilateral international collaborative projects, including Indo-UK, Indo-Australia and Indo-US. He is a member of the editorial board of Journal of Industrial Microbiology and Biotechnology (JIMB), Frontiers in Bioengineering and Biotechnology and Indian Journal of Biotechnology, and reviewers of many renowned peer review journals.

Dr Yazdani serves in various committees of Government of India such as Department of Biotechnology (DBT), Department of Science and Technology (DST), Biotechnology Industry Research Assistance Council (BIRAC) and many academic institutions. He is representing India in an AHTEG of Synthetic Biology at the UN Convention of Biological Diversity.

About the Experts (in alphabetical order of last names)





Dr Sudhakar Mhaskar
Chief R&D and Quality Officer at Nykaa

Dr Sudhakar Mhaskar is the current Chief R&D and Quality Officer at Nykaa E-Retail Pvt Ltd. Prior to this, he was the Chief Technology Officer at Marico Ltd. Dr. Mhaskar holds a doctorate in Organic Chemistry from the University of Mumbai and an undergraduate degree from Institute of Chemical Technology (formerly UDCT). His area of expertise include Dermatology, Skin Biology, Formulations, Melanoma, Dermatopathology etc.



Dr Sanjay Nene
CEO AND FOUNDING DIRECTOR AT INNOVATION BIOLOGICALS, PUNE

Dr Nene is the CEO and Founding Director at Innovation Biologicals, a startup incubated at Venture Center. He was with CSIR-NCL as Chief Scientist and Head of Biochemical Engineering Unit, Chemical Engineering & Process Engineering Division. He is M.Tech (Biochemical Engineering) from IIT, Delhi and PhD (Tech: Chemical Engineering) from Mumbai University. His areas of expertise include production of vaccines and biologicals, fermentation for production

	<p>of enzymes (CGTase, alkaline protease, polyphenol oxidase), recombinant proteins (phytase and lactoferrin), chemicals from renewable resources (Lactic and Pyruvic acid), energy/bioremediation (Algal cultivation), recovery of natural products: Stevioside from Stevia leaves, processing of fruit juices and natural beverages (Neera) and membrane processing, chromatography, aqueous two phase extraction, biotransformation of drug intermediates etc.</p>
	<p>Dr V Premnath Director Venture Center, Head NCL Innovations & Scientist, Polymer Science Division, CSIR-National Chemical Laboratory Pune</p> <p>Dr V. Premnath is currently the Head, NCL Innovations – the group within National Chemical Laboratory (NCL), charged with the responsibility of championing the cause of technology innovation within NCL. He also provides leadership for the Intellectual Property Group at NCL – one of India's leading IP management groups based out of the research institutions. Dr. Premnath is also the Director of the Venture Center – a Technology Business Incubator at NCL campus. He is also a Scientist, Polymer Science & Engineering Division at NCL with an interest in technology development for biomedical products.</p> <p>Dr Premnath is the founder and first Director of Venture Center, CSIR-Tech (a technology commercialization company), Orthocrafts Innovations (degradable synthetic polymer based biomed products startup) and BioMed Innovations (silk-based biomaterials startup).</p> <p>Dr Premnath holds a B. Tech. from the Indian Institute of Technology – Bombay and a Ph.D. from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization (two successfully commercialized families of biomedical products), incubation and innovation management, working with startup companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as a project leader.</p>
	<p>Dr Vilas Sinkar Ex-Vice President R&D, UNILEVER</p> <p>Dr Vilas Sinkar is Ex- Vice President of R&D at Unilever, Bangalore. He is currently actively working with Academia and various National Science Organisations in developing roadmap for science and applications of science. He has been on Research Advisory Councils of National Labs and Non-Profit Organizations. One of his areas of interest includes fostering Industry academia connections. While working as Vice President at Unilever R&D and earlier positions at Unilever, he has set up several successful scientific collaborations with leading academic groups in India and abroad.</p> <p>With many years of experience in the industry, Dr Sinkar has held various positions at Unilever including Director of Programmes & Resource at Unilever R&D Bangalore, Director of Unilever Food & Health Research Institute, Head of Environmental Safety Laboratory at Hindustan Unilever, Director of Skin Care Research at Unilever R&D Bangalore, Director of Beverages Research at Unilever R&D Bangalore and Head of Microbiology & Fermentation at Hindustan Lever Research Centre. His educational qualifications include B.Sc. & M.Sc. from University of Bombay, MS & Ph.D. from University of Rochester, USA and Post-doctoral research in the Department of Biochemistry at University of Washington, USA.</p>

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 <p>TechEx.in Tech Transfer Hub at Venture Center Supported by NBM - BIRAC</p>	<p>TECHEX.IN is a Technology Transfer Hub operated by Venture Center, Pune, India and supported by the National Biopharma Mission, BIRAC (Govt of India). TECHEX.IN aims to help technology developers and technology commercialization entities find each other's, forge partnerships and advance the technology closer to the market in a win-win partnership. In this mission, TECHEX.IN will build upon the learnings, methods and experiences of NCL Innovations (department of CSIR-NCL championing innovations), IPFACE (IP Facilitation Center) and Venture Center (technology business incubator).</p> <p>The TECHEX.IN is based in the western part of India. While its focus is on organizations in Maharashtra, Gujarat and Goa states of India, it welcomes technology developers and technology commercialization entities from any part of the world. For more information please visit: techex.in</p>
Supported by	
 <p>nbm NATIONAL BIOPHARMA MISSION innovate in India for inclusiveness (i3)</p>	<p>National Biopharma Mission (NBM) is a Mission of the Government of India approved by the Cabinet for implementation in May 2017. The NBM's mission is to make India a hub for design and development of novel, affordable and effective biopharmaceutical products and solutions. The NBM has an allocation of US\$ 250 million and is jointly funded by the Government of India and the World Bank in equal measure. The NBM is officially known as "An Industry-Academia Collaborative Mission of Department of Biotechnology (DBT) for Accelerating Early Development for Biopharmaceuticals". Biotechnology Research Assistance Council (BIRAC) is the implementation partner of the Government of India for the Mission. For more information, visit: https://birac.nic.in/nbm/</p>
 <p>birac Ignite Innovate Incubate</p>	<p>Biotechnology Industry Research & Assistance Council (BIRAC) is a new industry-academia interface and implements its mandate through a wide range of impact initiatives, be it providing access to risk capital through targeted funding, technology transfer, IP management and handholding schemes that help bring innovation excellence to the biotech firms and make them globally competitive. For more information, visit: www.birac.nic.in</p>
 <p>VENTURE CENTER</p>	<p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science & Technology's National Science & Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center's focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering.</p> <p>For more information, visit: http://www.venturecenter.co.in/</p>