



Venture Center
100 NCL Innovation Park, Dr Homi Bhabha Road,
Pashan -411008

Sanitation Campaign
Seminar and Panel Discussion on
Solid Waste Management: Situation, Needs and Priorities in India
- Organized by Venture Center -

Potential gains	<ul style="list-style-type: none">• Get an overview of key issues/ challenges and emerging opportunities• Explore potential industry-academia/research/medical fraternity partnerships in technology development and advancement to address Sanitation issues prevalent in India. Meet and network with innovators, enthusiasts and experts in the Pune region.• Learn about recently announced and upcoming funding opportunities
Organized by	<ul style="list-style-type: none">• Venture Center's Social Innovation Immersion Program• Bioincubator at Venture Center (Bioincubator at Venture Center is supported by BIRAC, Government of India)
Supported by	<ul style="list-style-type: none">• Biotechnology Industry Research and Assistance Council (BIRAC)• Venture Center
For whom	<ul style="list-style-type: none">• Innovators and technologists• NGOs and Social Innovators• Industry professionals• Researchers and students• Entrepreneurs/ startups with interest in Sanitation issues• Impact/ Social Investors with interest in venture financing for Sanitation issues.• Medical doctors and clinicians
When	Saturday, 28 January 2017 Time: 2 pm – 5.30 pm
Where	Lecture Theatre, Venture Center, 900 NCL Innovation Park, Dr. Homi Bhabha Road, Pune
Contact	Ms. Lipika Biswas Phone: +91-20-2586-5877 Email: eventsdesk@venturecenter.co.in
Cost	<p>Rs 100/- per head Maximum 50 seats; First-come-first-serve.</p> <p>Registration form available at - http://bit.ly/2ibeHgl More info on: http://www.venturecenter.co.in/campaigns/sanitation/?page_id=15 Last date for receipt of applications 23 Jan 2017</p> <p>Note:</p> <ul style="list-style-type: none">• Attendance only on confirmation of registration.• Fees paid is not refundable and non transferable under any circumstances.• First preference to innovators and technologists, industry professionals, entrepreneurs, investors, senior researchers, NGOs, Doctors. Students shall be allowed to participate if seats are available.• Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group.

Venture Center: <http://www.venturecenter.co.in/>
Contact No: 020 2586 5877; Email: eventsdesk@venturecenter.co.in
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Introduction

We aim to network all stakeholders to help initiate useful projects, start-ups etc in Sanitation space. This workshop is part of a campaign of Venture Center to nucleate and nurture Sanitation related startups in the Pune region. The workshop is aligned intentionally with the announcement of funding program so as to help facilitate startup creation.

Workshop aims to:

- Explore potential industry-academia/research partnerships in technology development and advancement.
- Foster networks with industry/academic experts/doctors/entrepreneurs
- Introduce upcoming funding opportunities like the BIRAC-SPARSH-SIIP call for Sanitation.

Workshop Outline

Workshop shall consist of:

- Talk
- Panel discussion
- Networking sessions

Workshop includes

- Workshop includes tea/ snacks
- Membership in mailing list to follow-up on workshop
- Access to workshop white paper

***Please note, the participants will have to arrange for their own travel/local transport and accommodation and dinners.**

- For accommodation (standard and budgeted hotels) please visit: <http://www.venturecenter.co.in/puneguide/standard.php>
- For accommodation (deluxe and luxury hotels) please visit: <http://www.venturecenter.co.in/puneguide/deluxe.php>
- For local transport details visit: <http://www.venturecenter.co.in/puneguide/taxi.php>







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Schedule		
Time	Session title	Faculty
1330-1400	Registration : 900 Foyer Area	
1400-1415	Welcome to Venture Center and introduction to the workshop	V. Premnath
1415-1500	Session 1: Set the stage: Solid waste management: Overview, issues, opportunities and experiences	Harsh Modak
1500-1515	Networking Tea/Coffee break	
1515-1645	Session 2: Panel discussion Identification and stream lining of certain key issues related to Solid waste management with specific reference to technology solutions at the levels of Waste Generation, Waste processing/treatment/storage and Waste disposal/value addition <ul style="list-style-type: none">Defining problems and areas where technology interventions are neededExploring user-friendly solutions for using in the community set upWhere will technology intervention work within a reasonable time frame and costIdeas for compilation and for the Seminar white paper.	Moderator: Harsh Modak Panelists: A). Suresh Rege B). Manisha Date C). Kishori Gadre D). Prakash Doke Rapporteur: Mugdha Lele
1645-1700	Case study of Entrepreneurship in Solid Waste Management: NobleExchange Environment Solutions, Pune	Sumedh Bapat
1700-1715	An overview of SIIP-SPARSH fellowship scheme from DBT-BIRAC focused on Sanitation and Waste to Value theme	Mugdha Lele
1715	Networking tea with snacks: 900 Foyer Area	



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Speakers and Panelists (in alphabetical order of last names)

<p>Sumedh Bapat</p>	<p>Sumedh works with Noble Exchange Environment Solutions, Pune (NEX), which is a provider of integrated environmental solutions with a mission to minimize environmental impact of human activity through managing waste from collection to disposal, while recovering valuable resources and creating clean and renewable energy. NEX specializes in processing of “Organic Food Waste” with cutting edge Anaerobic Digestion technology to generate biogas rich in methane and CO₂, which is compressed and commercialized to replace fossil fuel. NEX LLP is the subsidiary company of NEX to manage the contract of processing 500 tons of organic waste per day in Pune.</p>
 <p>Manisha Date</p>	<p>Manisha is an electrical engineer by training from Mumbai University with 18 years of industry experience. She has developed a bio-culture for treating faecal waste along the <i>Wari</i> route. She has been a Program Officer at Environment Information System (ENVIS) of Ministry of Environment, Forests and Climate Change run by National Solid Waste Association of India. She has pioneered the liquid composting system in India along with several waste management projects at varying levels like individual houses, apartments, hotels, wedding halls, slums, villages etc. She is also actively involved in awareness generation programs in schools colleges and other public places.</p>
 <p>Prakash Doke</p>	<p>Prakash Doke has been Director of Health Services, Government of Maharashtra. Currently he is Professor for Community Medicine at Bharati Vidyapeeth, Pune. He has worked extensively at the community level both from implementation and policy development view in the Government health services. His areas of interest include infectious diseases of national importance. He is a Medical doctor trained in Community Medicine and Public Health Specialty.</p>
 <p>Kishori Gadre</p>	<p>Kishori has worked as Deputy Municipal Commissioner for solid waste management at Pune Municipal Corporation during which she conceptualized and implemented zero garbage model in one ward in Pune municipal limits. She has worked with the Government of Maharashtra at various prestigious positions like Assistant Professor at Yashada Goernemnt training institute, Director at Indira Research and Development Centre, Director of Maratha Chamber of Commerce Industries and Agriculture, Director of Janwani, the city development NGO wing of MCCIA, General Manager at Maharashtra Tourism Development Corporation, before her voluntary retirement in Feb 2016. She is now working with Janwani, and with Heritage India magazine as a strategy advisor. She is also a lead auditor for ISO.</p>
 <p>Mugdha Lele</p>	<p>Mugdha is Manager - Social Innovations at Venture Center. She is responsible for conceptualizing and implementing social innovation and entrepreneurship activities at Venture Center, where as part of this she also drives the Social Innovation Immersion Program at Venture Center. She serves on the Board of Directors of Annweshan Innovations Pvt Ltd (a diagnostics spin-off company) and Synthera Biomedical Pvt Ltd (a dental biomaterials startup). She holds a PhD in Health Sciences from the University of Pune. She was a Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) Fellow at the Saïd Business School, University of Oxford, UK, 2016.</p>



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Harsh Modak

Dr. Modak is Consultant, (Industrial & Urban) in areas of Waste to Energy and Zero Liquid Discharge at National Solid Waste Association of India. He is Ph.D. in Organic Chemistry from National Chemical Laboratory, Pune and a Diploma in Business and Industrial Management. Earlier he has worked as CEO of a distillery division of Western Maharashtra Development Corporation Ltd (State Govt. undertaking). He was also Group President at Rochem Separations Systems India Pvt Ltd and Concord Enviro, Mumbai, India, where he was involved in Membrane based solutions in water, waste water & Waste to Energy projects. He has expertise in evolving Waste to Energy solutions for Zero Liquid Discharge for industrial effluents in Alcohol Distillery, Pharmaceuticals, Textiles, Industrial Chemicals, Tanneries, Disposal of urban & industrial waste, RO based effluent treatment etc, where he has participated in Operations & Maintenance related roles. He also has experience in other fields of manufacture of Intermediates for Dyestuffs, Pesticides, Pharmaceuticals & Bulk Drugs, Perfumery Chemicals etc. He has secured 2 patents & published 15 international research papers.



Suresh Rege

Lt. Col. Rege is currently Executive Director at Mailhem Ikos Environment Pvt Ltd, created in April 2014 out of a partnership between Mailhem Engineers Pvt. Ltd. (existing since 1990) and a French Group Lhotellier Ikos. He was commissioned in the Indian Army in 1969 and took voluntary retirement after 2 decades to form his company Mailhem Engineers. Mailhem has been credited with developing modified upflow anaerobic sludge blanket technology to treat liquid as well as solid waste with high percentage of suspended solids. He was founder CEO of Infrastructure Leasing & Financial Services Waste Management and Urban Services Ltd. With his specialization in Biomethanation projects - solid and grey water (sewage), he has been a strong supporter of the concept of Integrated Municipal Solid Waste Management. He is also involved in several policy forming committees of the Ministry of New and Renewable Energy, Government of India.



Premnath Venugopalan

Premnath is currently the Head- NCL Innovations, Head -Intellectual Property Group at NCL, Scientist-Polymer Science & Engineering Division at NCL and Director-Venture Center. He has helped found and be the first Director of Venture Center, CSIR-Tech (a technology commercialization company), Orthocrafts Innovations (degradable synthetic polymer based biomed products start-up) and BioMed Innovations (silk based biomaterials start-up). He holds a B.Tech. from the IIT-B and a Ph.D. from the MIT, 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 start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.

Panelist D

Person experienced in supervising waste management in industries.

Panelist E

Medicine or Virology Person experienced in management of diseases & epidemics.

Organized by



Social Innovation Immersion Programme (SIIP) is a programme conceptualized by the Biotech Industry Research Assistance Council (BIRAC), Government of India under its SPARSH (Social Innovation Programme for Products: Affordable & Relevant to Societal Health) scheme. SIIP intends to create a pool of "Social Innovators" who can identify needs and gaps within communities and then can help bridge the gaps either through an innovative product development or services. Venture Center is an implementation partner for this BIRAC funded program. Focus of this call is on the theme of "Sanitation and Waste to value". **For more information visit <http://www.venturecenter.co.in/siip2>**

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The BioIncubator at Venture Center aims to nucleate and nurture technology and knowledge-based enterprises leveraging knowledge in the areas of biotechnology (biopharma, agrobiotech, industrial biotech, clean technology), biomedical engineering/ devices/ diagnostics, biomass value addition/ renewable fuels/chemicals/materials, bioinformatics, bio/medical services and related disciplines.

Created with support from DBT-BIRAC under the Bioincubator Support Scheme.

For more information, visit: <http://www.bioincubator.venturecenter.co.in/>

Supported by



Biotechnology Industry Research & Assistance Council 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



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.

For more information, visit: <http://www.venturecenter.co.in/>