



NCL Innovations

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NCL Innovations **IDEA Catalyst** Workshop Series: 3rd Workshop

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This workshop series focuses on exploring technology development and commercialization opportunities by connecting scientists/technologists with people who understand market and industry needs.
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Technology Development Opportunities in Biomass Value Addition

by

Dr. Balu Sarma

CTO, Praj, Pune
& His colleagues from Praj

&

Dr. A. J. Varma

Scientist, NCL, Pune
& His colleagues from NCL

On

Monday, 4 October 2010

10.00 am - 1.00 pm

at

Board Room, Director's Wing (tentative)
National Chemical Laboratory
Pashan Road, Pune – 411008

About the speakers:



Dr. Balu Sarma
CTO, Praj, Pune

Balu Sarma is the President & Chief Technology Officer for Praj Matrix –The Innovation Center which is a Division of Praj Industries Limited, and is engaged in the development of technology for second and third generation biofuels, biochemicals, and health & wellness products.



Dr. A. J. Varma
Scientist, NCL, Pune

Dr. Varma has rich experience in research and commercialization in the areas of biodegradable polymers, biomass and natural polymers, especially cellulose, chitosam, hemicelluloses, lignins - their fractionation, reactions, and applications; Natural Monomers for polymerization or anchoring onto polymers, especially sugars like sucose, xylose, lactose, glucose, arabinose, and vegetable oils from all sources like cashew nut shell liquid.

Topics of discussion

Technology development opportunities in the areas of:

- Conventional ethanol
- Cellulosic ethanol
- Biobutanol
- Glycerol to value added chemicals
- Algae
- Sugar to biochemicals
- Biolubricants
- Downstream processing