

## PROGRAMME

International Conference  
on

# BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT (green chemicals and materials, biorefinery, bioenergy, clean water)

7- 9 January 2008

#	Time	Session/ Speakers
<b>7<sup>th</sup> Jan 2008</b>		
1	15.30-17.00	<b>Registration</b> (NCL main building Foyer)
<b>INAUGURATING SESSION</b>		
2	17.00-18.00	Welcome remarks: <b>Dr. Sivaram</b> , Director NCL, Inauguration: <b>Mr. Pramod Chaudhari</b> , Chairman PRAJ Industries Ltd., Pune.
3	18.00-19.30	<b>Plenary lecture</b> <b>Wilfrid Legg</b> , OECD, France Is the promotion of biofuels contributing towards the sustainable use of resources?
	19.30-21.00	<b>Reception, NCL Guest House Lawns</b>
<b>8<sup>th</sup> Jan 2008</b>		
<b>SESSION 1: GREEN CHEMICALS AND MATERIALS</b>		
1	09.00-09.45	<b>Dr. Colja Laane</b> , DSM, Netherlands White (Industrial) Biotechnology: Clean, Clever & Competitive
2	09.45-10.30	<b>Dr. Per Henning Nielsen</b> , Novozymes, Denmark Enzymatic solutions in industry - a contribution to sustainable development
	10.30-11.00	<b>COFFEE BREAK</b>
3	11.00-11.45	<b>Prof. Rajni Hatti-Kaul</b> , Lund University, Sweden Evaluating the potential of biotechnology for production of speciality chemicals and polymers from renewable resources
4	11.45-12.30	<b>Dr. Martin Patel</b> , Utrecht University, Netherlands Green polymers - how sustainable are they?
	12.30-13.00	Questions and General Discussions
	13.00- 14.00	<b>Lunch</b>
5	14.00-15.00	<b>POSTER SESSION</b>

## SESSION 2: BIOREFINERY

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|---|-------------|---|
| 1 | 15.00-15.45 | <b>Dr. Gopal Chotani</b> , Danisco, USA<br>Dislocating technologies for biorefineries development   |
| 2 | 15.45-16.30 | <b>Prof. Irimi Angelidaki</b> , Danish Technical University, Denmark<br>Biorefinery for sustainable reliable economical fuel production from energy crops             |
|   | 16.30-17.00 | <b>Coffee break</b>   |
| 3 | 17.00-17.45 | <b>Mr. Tomas Hagstrom</b> , Perstorp, Sweden<br>Perstorp BioProducts AB, taking bio-chemicals and fuels to the market   |
| 4 | 17.45-18.30 | <b>Mr. Ghanashyam Deshpande</b> ; Executive Vice-President, Praj Industries Ltd.<br>Lignocellulosic biomass materials – Sustainable Feedstock for Ethanol Production. |
|   | 18.30-19.00 | Questions and General Discussions   |
|   | 20.30-22.00 | <b>Conference dinner</b>  |

9<sup>th</sup> Jan 2008

## SESSION 3: BIOENERGY

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|---|--------------|--|
| 1 | 09.00-09.45  | <b>Dr. Malek Alkasrawi</b> , Syngenta, Sweden<br>Energy crops  |
| 2 | 09.45-10.30  | <b>Reinhard Pätz</b> , University of Applied Sciences, Köthen/Anhalt, Germany.<br>Anaerobic Sequencing-Batch-Reactor (ASBR) Technology for High Performance Biogas Production. |
|   | 10.30 -11.00 | <b>Coffee break</b>  |
| 3 | 11.00 -11.45 | <b>Prof. Bo Mattiasson</b> , Lund University, Sweden<br>Biogas from surplus biomass – the optimal alternative/(ultimate solution)?   |
| 4 | 11.45 -12.30 | <b>Dr. Pål Börjesson</b> , Lund University, Sweden<br>Environmental system analysis concerning bioenergy from crops  |
|   | 12.30 -13.00 | Questions and General Discussions  |
|   | 13.00 -14.00 | <b>Lunch</b>   |
| 5 | 14.00 -15.30 | <b>An Indian Industry Perspective</b><br><b>(Invited presentations from leading Indian Industries)</b>   |

15.30 -16.00 *Coffee break*

#### **SESSION 4: CLEAN WATER AND WATER RECYCLE**

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|---|--------------|---|
| 1 | 16.00 -16.45 | <b>Prof. Galip Akay</b> , University of Newcastle, UK<br>Bioprocess-Chemical process intensifications using nano-structured macroporous materials and their application in wastewater treatment |
| 2 | 16.45 -17.30 | <b>Prof. N.H. Ravindranath</b> , IISc, India<br>Modern bio-energy technologies  |
| 3 | 17.30 -18.15 | <b>Prof. Ajit Annachhatre</b> , AIT, Thailand<br>Sulfate reduction process for removal of heavy metals.   |
|   | 18-15 -18.45 | Questions and General Discussions   |
| 4 | 18.45 -19.30 | <b>Valedictory Ceremony</b>   |
|   | 19.30 -20.30 | <i>High Tea</i>   |

**End of Conference**