

## Off the shelf know-hows

- IR reflecting pigment
- Advanced kitchen waste - Biogas plant
- Drier for plantation crops
- High temperature mould release coatings (for metallurgical/foundry applications)
- Industrial enzymes
- Bioprocess for natural fibre extraction
- Bioprocess for white pepper
- Bricks and floor tiles from industrial by-products
- Ceramic membrane industrial water filtration system
- Synthetic rutile from ilmenite
- Fresh ginger processing/swing technology
- Agri products spice processing
- Aluminium and Magnesium alloys development
- Metal casting simulation software



CSIR-NIIST

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**CSIR-NIIST**

Thiruvananthapuram

**R & D INDUSTRY MEET**

23<sup>rd</sup> February 2018

Turn-key Projects  
Technology Incubation  
Prior Art Search & Patenting  
Testing & Analytical Services  
Process & Product Development  
Consultancy & Technical Services  
Environment Impact Assessment Studies  
Skill Development & Training

## ***About CSIR-NIIST***

National Institute for Interdisciplinary Science & Technology (NIIST) located at Industrial Estate, Pappanamcode, Thiruvananthapuram, Kerala is one of the premier research laboratories of Council of Scientific and Industrial Research (CSIR), India's largest R&D organization in public sector. CSIR-NIIST is mandated to provide R&D support to industries through contract projects, technology transfers etc. This meet is meant to identify the requirements of industry, and provide solutions to their specific problems by working together in synergy.

## ***Core competencies***

- Functional foods and nutraceuticals
- Post-harvest/spice processing technologies
- Biomass to fuels and chemicals
- Microbial products/Industrial enzymes
- Phytopharmaceuticals and drug intermediates
- Solar energy conversion
- Fluorescent materials for security, diagnostics, imaging and drug delivery
- Heavy minerals, metals and composites
- Data analytics and modeling
- Electronic materials and smart coatings

- Bio-pesticides and Bio-fertilizers
- Solid waste management and environmental solutions
- Dioxin and POP monitoring
- Polymers & composites
- Solid/Liquid waste treatment
- Strategic materials
- Industrial effluent/sewage treatment
- Odour control