

CSIR-CSMCRI

Vision:

The vision of CSIR-CSMCRI is to:

- ✚ Focus and deliver need-based innovative and internationally competitive technological solutions that would be of immense benefit to the industry and society in the areas of salt & marine chemicals, water desalination & purification, seaweed biology and biotechnology, saline & waste land reclamation, renewable resource utilization, clean chemical transformation, sensing and diagnostics, waste-to-value creation and cleaner environment;
- ✚ Strategically compliment the strengths of both basic and applied research for the ultimate gains on these domains;
- ✚ Contribute in the national problems and challenges through S&T interventions; and
- ✚ Nurture human resource, generate intellectual capital and position as global leader in these domains.

Mission:

The mission of CSIR-CSMCRI and its people is to work in partnership with visionary sponsors and collaborators to generate the knowledge and innovations required for efficient utilization of our coastal wasteland, sea water, marine algae, solar power and silicates. The Institute harnesses its capabilities in biosciences, chemical transformation, process engineering, environmental monitoring, separation science and analysis to address focused needs of industries and organizations in the region and beyond.

Objectives:

The objectives of the laboratory are to:

- ✚ Develop and promote technologies on salt (of different kinds) and marine chemicals for self-reliance in the larger interest of industry and society
- ✚ Design, develop and deploy processes and technologies on water desalination and purification
- ✚ Develop and promote algal cultivation, backed by high science, including post-processing of cultivated algae to several value added products
- ✚ Develop eco-friendly chemical processes via catalysis and use of benign reagents, and use molecules/methods for sensing and diagnostics
- ✚ Make saline and arable land utilization through scientific interventions
- ✚ Undertake environmental impact assessment studies, in particular for coastal regions
- ✚ Align the basic research on these domains with state-of-art instrumental and knowledge services support that lead to meaningful conclusions including development of technologies with protection through intellectual property rights
- ✚ Harness competencies aligning with national requirements, for example, renewable energy, generate waste from wealth, cleaner environment
- ✚ Generate and groom highly skilled human resource – for industry, academia and society at large

Organization Structure

