



Centre for Metabolic Engineering and Synthetic Biology

Dr. Mugesh Sankaranarayanan

Professor-Biotechnology

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Dr. Mugesh Sankaranarayanan is highly proficient in the fields of Metabolic Engineering, Synthetic Biology, Genetic Engineering, Bioprocess Engineering and Seaweed Biorefinery & Bioconversion. His works includes strain engineering for the production of Platform chemicals, microbial production of pigments, nutraceuticals, media and process optimization and seaweed biorefinery. He has made significant scientific contributions, reflected in his impressive record of 28 publications and an h-index of 14 and i10-index of 16. Notable publications are in Bioresource Technology, Metabolic Engineering, Biotechnology and Bioengineering and so on. He has successfully completed three major DBT funded research projects. Currently, he is leading a collaborative project in partnership with Society of Chemical and Synthetic Biology (SCSB).

Looking for PhD students to work in the following areas

- Microbial Product Development
- Biorefinery & Process Development
- Metabolic Engineering & Synthetic Biology
- Biopigment Synthesis & Sustainable Bioprocesses

Facilities available

- ✓ UV-Visible spectrophotometer, HPLC, Bioreactor, Gel Documentation system, PCR, Electrophoresis unit, Electroporator, Biosafety cabinet, Rotary Evaporator
- ✓ Other necessary facilities for gene manipulation

Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Patents and Technology transfer
- Publication in SCI-indexed high impact journals
- National and International collaborations

Contact details

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