

Online Short Term Course on “Nanotechnological Interventions in Water Purification”



19-21 October, 2020

Centre for Continuing Education (CCE)

Indian Institute of Science, Bangalore, India - 560012

Course Description:

Water purification is an important part of our lives in today's world. With over-utilization of water for various applications and the concurrent shortage of clean water, has led to development of new treatment methods using novel materials. One such approach has been the use of nanomaterials in water treatment and purification. Nanomaterials can be potentially used at various stages of treatment including sedimentation, filtration, adsorption, ion exchange, catalysis and so on. It has been reported that nanomaterials improve the performance of some of the above-mentioned processes and provide a better product. In this course, various nanomaterials including their synthesis and characterization will be discussed. The application of nanomaterials in water purification will be discussed in detail. Some case studies will be provided along with some important research publications. The course will be a good introductory course for those studying and working in the area of environmental management, water treatment, industry and research and development.

Reading Material:

Current literature, case studies and some selected chapters from books will be used for this course.

Minimum Qualification Required:

BE/BTech/BSc/MSc

Prerequisites:

No

Course Coordinator:

- Prof. Ashok M Raichur, Dept. of
Materials Engineering, Indian Institute
of Science, Bangalore – 560012
Email-amr@iisc.ac.in

Registration:

This course can be attended only by registration. The number of participants is limited to 50. The registration will be accepted on a first-come first-served basis.

Apply online at: <http://cce.iisc.ac.in/ssp-stc.html>

The registration fee is INR 15000 +18% GST

Duration: 19-21 October, 2020

Last Date to Apply: 30 August 2020

Note: Classes will be conducted via Microsoft Teams/Google meet.