

# Department of Chemistry

## Guest Lecture

### Advanced Oxidation Processes for the degradation of Environmental Pollutants



Lecture by C. T. Aravindakumar,  
Mahatma Gandhi University,  
Kerala, INDIA

**ABSTRACT:** Advanced Oxidation Processes (AOPs) make use of the involvement of a highly oxidizing species like hydroxyl radical and its subsequent oxidative degradation reaction with organic water pollutants (mainly pharmaceuticals and personal care products (PPCPs), pesticides, and substituted phenols). The main scope and challenges of these technologies will be highlighted. Ultrasound and UV induced degradation of some of the selected pesticides and pharmaceutical products will be presented.

Venue : LC 101

[http://www.sesmgmu.org/ses/files/template/index\\_ses.html](http://www.sesmgmu.org/ses/files/template/index_ses.html)

Time : 10 AM – 11AM

Date : 1 st April, 2015

**ALL ARE WELCOME**