



One-day training workshop on
Use of High-Performance Thin Layer Chromatography (HPTLC) for Industrial Product Analysis

19th February, 2020

**DSIR-IITGN-CRTDH
 IIT Gandhinagar**

DSIR-IITGN-CRTDH

Department of Scientific & Industrial Research (DSIR) and IIT Gandhinagar (IITGN) together established a Common Research & Technology Development Hub (DSIR-IITGN-CRTDH) on Chemical Processes at IIT Gandhinagar (IITGN), Palaj, Gandhinagar. The initiative aims to engage MSMEs and other chemical industries to enhance their capabilities in technology know-how on effluent treatment, waste reduction, process improvement, research on new products and testing products/raw materials/effluents etc. Industry partners can be benefited from the state-of-the-art laboratory facilities as well as the interdisciplinary knowledge base at IIT Gandhinagar. The CRTDH at IITGN is arranging a one-day training workshop on "Use of High-Performance Thin Layer Chromatography (HPTLC) for Industrial Product Analysis" for industry partners.

Date and Venue of the Workshop

Date: 19th February, 2020 (Wednesday) from 09:45 AM to 5 PM

Venue: Academic Block 5, Room Number 209, IIT Gandhinagar, Palaj, Gandhinagar-382355, Gujarat

Registration: No registration fees. But preregistration required by sending an email to crtdh@iitgn.ac.in (registration form attached)

Tentative Program:

- *Technology development at DSIR-IITGN-CRTDH*
- *Facilities available for industry members at IITGN.*
- *HPTLC and its sample preparation using USP 2017 article 1064 method; regulatory acceptance as per USP 202, 203, 1064 guideline*
- *Quantification of unknown compound through HPTLC*
- *Challenges with complex samples*
- *Analysis using HPTLC hyphenated MS*
- *Case studies and application of HPTLC in various fields like new molecules, Dye, Textile, Herbal, Pharmaceuticals, Forensic, Food, etc.*
- *Hands-on and demonstration of HPTLC*

