## PARTICLE ASSISTED MICROPATTERNING OF POLYMER-ALUMINA NANOCOMPOSITE FILMS

THESIS SUBMITTED TO

## THE UNIVERSITY OF KERALA

FOR THE DEGREE OF

## **DOCTOR OF PHILOSOPHY IN CHEMISTRY**

UNDER THE FACULTY OF SCIENCE

By

## LAKSHMI V.

Minerals and Metallic Materials

Materials Sciences and Technology Division

CSIR-National Institute for Interdisciplinary

Science and Technology (CSIR-NIIST)

Thiruvananthapuram-695 019, Kerala