



Indian Institute of Technology Madras

has hereby conferred the degree of
Doctor of Philosophy
of the Institute
on

POTHUMAHANATHI H K CHARAN

for successfully completing the prescribed programmes of study and
presenting the thesis entitled

**METAL/METAL-OXIDE GRAFTED SBA-15 MESOPOROUS MATERIALS AND
THEIR CATALYTIC APPLICATIONS**



0700004



Given this day the Twentyfourth of July, 2013
under the seal of the Institute

V. S. S. S.
Registrar

B. J. S.
Director

K. R. S.
Chairman, Board of Governors