



Dr. Keyur N. Vyas
Department of Physics
Faculty of Science
The M. S. University of Baroda
Vadodara – 390002, Gujarat, India
Email: kn.vyas-phy@msubaroda.ac.in

CERTIFICATE BY THE SUPERVISOR

This is to certify that the thesis entitled “**Adsorption Performance of Pristine and Functionalized C₁₈ towards Hazardous Gases**” being submitted to The Maharaja Sayajirao University of Baroda, Vadodara by **Vadalkar Shardul Ram** for the award of **Doctoral degree in Physics** is a report of original research work and has been carried out by the candidate under my guidance and supervision.

I further certify that the work has not been submitted either partly or fully to any other University/Institution for the award of any degree.

Place: Vadodara
Date: 01-01-2024

Dr. Keyur N. Vyas
(Ph.D. Supervisor)