

Professor Prafulla K Jha
Phone(O): +91-265-2795339
Fax: +91-265-2792277
E-mail: prafullaj@yahoo.com
: jhaprafulla@gmail.com
sites.google.com/site/cmmplab



Department of Physics
Faculty of Science
The Maharaja Sayajirao
University of Baroda,
Vadodara – 390002, INDIA
<http://www.msubaroda.ac.in>

Certificate by the Ph.D. Supervisor

This is to certify that the thesis entitled “Density Functional Theory of Free and Oxide Supported Metal Nanoclusters and Nanoalloys: A Heterogeneous Catalysis” being submitted to The Maharaja Sayajirao University of Baroda, Vadodara by Baraiya Bhumi Arunkumar 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.

(Prafulla K. Jha)

Ph.D. Supervisor

Place: Vadodara

Date: 01/09/2021