

Crystal Engineering of Bis(aryl)-di-imines, Bis(pyridyl)-diamides, Bis(pyridyl)-disulfonamides and Their Metal-Organic-Frameworks (MOFs): Analysis of Their Photophysical Properties, Metal-ion Sensing and Application of MOFs in Catalysis

THESIS

Submitted in partial fulfillment
of the requirements for the degree of
DOCTOR OF PHILOSOPHY

by

Moyna Das

Under the supervision of

Prof. Madhushree Sarkar



BITS Pilani
Pilani | Dubai | Goa | Hyderabad

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI

2021