

Certificate

This is to certify that the thesis titled *Advanced Functional Nanomaterials for Energy and Environmental Applications*, submitted by *Devika Laishram* (P15CY001) to the Indian Institute of Technology Jodhpur for the award of the degree of *Doctor of Philosophy*, is a bonafide record of the research work done by her under our supervision. To the best of our knowledge, the contents of this report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.



Rakesh Kumar Sharma
Ph.D. Thesis Supervisor



Ritu Gupta
Ph.D. Thesis Co-Supervisor

