



भारतीय प्रौद्योगिकी संस्थान मुंबई

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IIT Bombay

No.Acad./Verif./UGC/15/2022

Date: 15th September, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Manoj Kumar Gangwar**, admitted in the session 2010-11, was awarded **Ph.D.** degree under **Enrollment No. 10403327**, Department of **Chemistry** by this Institute in the Year 2017. The title of his thesis is "**Asymmetric Catalysis Mediated by Different Transition Metal N-heterocyclic Carbene Complexes.**"

The details are as follows :-

Sr. No.	Particulars
a	Ph.D. degree of the candidate was awarded in regular mode only
b	Evaluation of the Ph.D. thesis by at least two external examiners as per Institute norms
c	Defended open viva-voce examination as per Institute norms

It is further added that the IIT Bombay is established under Act of Parliament of 1961 as Institute of National importance. The degree awarded by IIT Bombay is recognized by all entities in India, including UGC (Pertinent to the 2009 regulation for Ph.D. - Minimum Standard and Procedure for Award of M.Phil./Ph.D. Degree).

This certificate is issued on his request.

N. Lalwadekar
15/09/22

Asst. Registrar
(Academic)



कृते सहायक कुलसचिव (शाक्षक)
For Assistant Registrar (Academic)
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