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## *Certificate*

This is to certify that the work embodied in this thesis entitled “Study of transition metal mixed oxides for electrocatalysis of oxygen evolution in alkaline medium” has been carried out by **Manish Kumar Yadav** under my supervision. He has fulfilled all the requirements for the degree of Doctor of Philosophy in Chemistry of the University of Lucknow, regarding the nature of prescribed period of work. The work included in this thesis, unless or otherwise stated, is all original. I have checked the data from time to time and satisfied of its genuineness.

Date:

**(Dr. Narendra Kumar Singh)**

Place:

**Supervisor**