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(सर्वोत्तम विश्वविद्यालय के लिए कुलाध्यक्ष पुरस्कार, 2016 और भारत के 100 श्रेष्ठ उच्च शिक्षण संस्थानों में पंचम स्थान प्राप्त विश्वविद्यालय)
(Awardee of Visitor's Best University Award, 2016 and 5th among India's Top 100 Universities, MHRD-NIRF Ranking, 2016)

CERTIFICATE FROM THE SUPERVISOR

This is to certify that the thesis entitled “**Synthesis, Characterization and Catalytic Application of Palladium- and Copper-based Nanoparticles**” submitted to the School of Sciences, Tezpur University in part fulfillment for the award of the degree of Doctor of Philosophy in Chemical Sciences is a record of research work carried out by **Mr. Biraj Jyoti Borah** under my supervision and guidance. All help received by him from various sources have been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

Dr. Pankaj Bharali

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