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## *CERTIFICATE*

*Certified that the thesis entitled "DNA Barcode based calibration of Indian freshwater fishes for analyzing species diversity and shared nucleotide traits", for the award of the Degree of Doctor of Philosophy in Biotechnology, is the outcome of a bonafide research work carried out by Mohua Chakraborty (Reg. No. 1711/2011). This work has not been submitted previously for any other degree of this or any other university. It is further certified that the candidate has complied with all the formalities as per requirements of Assam University. I recommend that the thesis may be placed before the examiners for consideration of award of the degree of this University.*

**Place:** Silchar  
**Date:**

**Sankar Kumar Ghosh**