

DECLARATION BY THE CANDIDATE

The thesis entitled “*Gadolinium oxide and oxyfluoride nanosystems: relevant studies as regards optical, rheological and biophysical applications*” is being submitted to the Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in *Physics* is a record of bonafide research work accomplished by me under the supervision of Dr. D. Mohanta.

All helps received from various sources have been duly acknowledged. No part of this thesis has been submitted elsewhere for award of any other degree.

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