## GADOLINIUM OXIDE AND OXYFLUORIDE NANOSYSTEMS: RELEVANT STUDIES AS REGARDS OPTICAL, RHEOLOGICAL AND BIOPHYSICAL APPLICATIONS

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By

## Samiran Hazarika

Registration No. TZ110029 of 2011



School of Sciences

Department of Physics

Tezpur University

Napaam, Tezpur - 784028

Assam, India

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