

**Approaches towards the Synthesis of Potentially
Bioactive Furophenanthraquinones Related to
Salvia Metabolites and Their Condensed and
Doubly Condensed Analogues**

**Thesis Submitted for the degree of
Doctor of Philosophy (Science)**

**In
Chemistry**

Submitted

By

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Certificate from Supervisor

This is to certify that the thesis entitled “**Approaches towards the Synthesis of Potentially Bioactive Europhenanthraquinones Related to Salvia Metabolites and Their Condensed and Doubly Condensed Analogues**” submitted by Ms. Aparna Sarkar (**Registration No.: R-14RS205220002** dated 18.03.2016) for the award of Ph. D degree (in science) of Presidency University is based upon her work under the direct supervision of me. Neither the thesis nor any part of the work included in the thesis has been submitted elsewhere for any other degree or diploma before.

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