

# **Physical Studies on some Liquid Crystals**

by

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**Thesis submitted to the Jawaharlal Nehru University for the  
degree of Doctor of Philosophy**

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## **DECLARATION**

I hereby declare that this thesis is composed independently by me at the Raman Research Institute, Bangalore, under the supervision of Prof. N. V. Madhusudana. The subject matter presented in this thesis has not previously formed the basis of the award of any degree, diploma, associateship, fellowship or any other similar title in any other University.

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## **CERTIFICATE**

This is to certify that the thesis entitled **Physical Studies on Some Liquid Crystals** submitted by Surajit Dhara for the award of the degree of DOCTOR OF PHILOSOPHY of Jawarharlal Nehru University is his original work. This has not been published or submitted to any other University for any other degree or diploma.

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