

**Structural, Magnetic, Dielectric and Thermodynamic Studies of Layered
Perovskite LnBaCuFeO_5 (Ln = Rare-earth element) and its derivatives**

A Thesis

Submitted by

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of

Doctor of Philosophy



SCHOOL OF BASIC SCIENCES

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Declaration by the Research Scholar

I hereby declare that the presented work embodied in this Thesis is the results of investigations carried out by me in the School of Basic Sciences, Indian Institute of Technology Mandi, under the joint supervision of **Dr. C. S. Yadav** and **Dr. Kaustav Mukherjee**, and that it has not been submitted elsewhere for any degree or diploma. In keeping with the general practice, due acknowledgements have been made wherever the work described is based on the finding of the other investigators.

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Dedicated to My dear Parents
And Family members

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