

# Some Aspects of Scale Invariant Analysis on Cantor Sets

A THESIS SUBMITTED TO THE  
UNIVERSITY OF NORTH BENGAL

FOR THE AWARD OF DOCTOR OF PHILOSOPHY  
IN MATHEMATICS

BY  
**SOMA SARKAR**

Under The Supervision of  
**DHURJATI PRASAD DATTA**  
Professor (Retd.)



DEPARTMENT OF MATHEMATICS  
UNIVERSITY OF NORTH BENGAL  
RAJA RAMMOHUNPUR  
DIST. DARJEELING  
PIN 734013, INDIA

**May 2023**