



Dedicated

To

My Mamaji

Late Ashok Kumar Saini

and

My Parents,

Sri Ramnaresh Bhakt & Smt. Sushila Bhakt



Panoramic view of Barren Island Volcano, Andaman Sea, India



*Our team on Barren Island Volcano (From right to left): Dr. R. Bhutani, **Dr. J. S. Ray (Thesis Supervisor)**, Dr. Hetu Sheth and **Alok Kumar (Author)**, along with Commandant S. K. Sahu and crew members of ICGS Bikhaiji Cama Coast Guard vessel*