## List of Abbreviations

Abbreviation	Full form
AIRF	Advanced Instrumentation Research Facility
ASTM	American Standards for Testing of Materials
AWC	Arab Water Council
B.C.	Before Christ
BIS	Bureau of Indian Standards
CB	Crotalaria Burhia
CGWB	Central Ground Water Board
CPCB	Central Pollution Control Board
CRT	Cathode Ray Tube
EDS	Energy Dispersive Spectroscopy
EO	Equine Ordure
FESEM	Field Emission Scanning Electron Microscope
FTIR	Fourier Transform Infra-Red Spectroscopy
GSI	Geological Survey of India
ICAR	Indian Council of Agricultural Research
IIT	Indian Institute of Technology
IR	Infrared Radiations
JNU	Jawaharlal Nehru University
LEFM	Linear Elastic Fracture Mechanics
MIT	Massachusetts Institute of Technology
MM	Meth Mitti
MNIT	Malaviya National Institute of Technology, Jaipur
NZS	Standards New Zealand
Ph.D.	Doctor of Philosophy
RMC	Roscoe Moss Company
SEM	Scanning Electron Microscopy
SENB STEEPLE	Single Edge Notched Beam
JIEILE	Social, Technological, Economic, Environmental, Political, Legal and Ethical
TFS	Thermo-Fisher Scientific
UK	United Kingdom
UN	United Nations
UNCHS	United Nations Human Settlements Programme
UNICEF	United Nations International Children's Education Fund
USB	Universal Serial Bus
UTM	Universal Testing Machine
WCC	Waitakere City Councils
WHO	World Health Organization
XRD	X-Ray Diffraction
XRF	X-Ray Fluorescence
XRFS	X-Ray Fluorescence Spectroscopy