

## List of Symbols and Abbreviations

‰	Part per mil
AD	Anno Domini
AMS	Accelerator mass spectrometry
amsl	Above mean sea level
BC	Before Christ
BOM	Bulk organic matter
BP	Before the Present
Cal yrs BP	Calibrated years before present
CWP	Current warm period
EA	Elemental analyzer
ENSO	El Niño Southern Oscillations
GDP	Gross domestic product
H <sub>3</sub> PO <sub>4</sub>	Phosphoric acid
HCl	Hydrochloric acid
HClO <sub>4</sub>	Perchloric acid
HF	Hydrofluoric acid
IOD	Indian Ocean dipole
IPCC	Inter government panel for climate change
ISM	Indian summer monsoon
ITCZ	Inter tropical convergence zone
Ka	Kilo years ago
LGM	Last Glacial Maximum
LIA	Little ice age
Ma	Million years ago
MCA	Medieval climate anomaly

MC-ICPMS	Multi collector-Inductively coupled plasma mass spectrometer
MLW	Mid latitude westerlies
MWP	Medieval warm period
MWS-1	Mawmluh stalagmite-1
mΩ	Milli ohm
NAO	North Atlantic oscillations
NE	Northeast
NEIM	North East Indian monsoon
NW	Northwest
PDO	Pacific decadal oscillations
SIRMS	Stable isotope ratio mass spectrometer
SWIM	South West Indian monsoon
TMC-1	Tso Moriri core -1
TOC	Total organic carbon
VPDB	Vienna Pee Dee belemnites
WIHG	Wadia Institute of Himalayan Geology
WSS-3	Wah Shikar stalagmite -3
YD	Younger Dryas