

List of Tables

1.1	Stable isotopes of Carbon dioxide	4
3.1	Sample preparation methods and mass spectrometric parameters .	56
3.2	IAEA standards used for carbonate and water isotope measurements	60
3.3	Comparison between reported and measured values of IAEA stan- dards	60
3.4	International standards used for trace element measurements . . .	62
4.1	Uranium and Thorium isotopic compositions and ^{230}Th ages of the subsamples of Dandak-I stalagmite	84
4.2	Uranium and Thorium isotopic compositions and ^{230}Th ages of the subsamples of Dandak- II stalagmite	85
4.3	Uranium and Thorium isotopic compositions and ^{230}Th ages of the subsamples of Kotumsar stalagmite	86
5.1	^{230}Th ages of the Kailash cave stalagmite	118
5.2	^{230}Th ages of the Belum cave stalagmite	127