

## List of Tables

<b>Table Title</b>	<b>Page no.</b>
Table 3.1: Instrumental Parameters used for the determination of different metal contents	57
Table 4.1: Textural parameters of soil samples around GGS-I and GGS- III	76
Table 4.2: Physicochemical parameters of soil around GGS-I and GGS- III	80
Table 4.3: Local Background and Threshold values of heavy metals in soil along with their established normal abundance	93
Table 4.4: Variation of metal content in soil with Distance in GGS-I and GGS-III during Monsoon and Non-monsoon periods	95
Table 4.5: Variation of metal contents in soil with depth in GGS-I and GGS-III during Monsoon and Non-monsoon periods	100
Table 4.6(a): Range of variation and average total metal contents in different size fractions of soil around GGS-I during Monsoon and Non-monsoon periods	104

Table 4.6(b): Range of variation and average total metal contents in different size fractions of soil around GGS-III during Monsoon and Non-monsoon periods	105
Table 4.7(a): Correlation Coefficient for different Soil Geochemical Parameters in clay fraction around GGS-I	112
Table 4.7(b): Correlation Coefficient for different Soil Geochemical Parameters in clay fraction around GGS-III	113
Table 5.1 : Metal contents in different parts of the tea plants around GGS-I	122
Table 6.1: Average Root and Shoot length of <i>Vetiveria zizanioides</i> of different age level grown in soils containing different concentration of heavy metals	131
Table 6.2: Average Root and Shoot Biomass of <i>Vetiveria zizanioides</i> of different age level grown in soils containing different concentration of heavy metals	136
Table 6.3: Heavy metal concentration in root, shoot of <i>Vetiveria.zizanioides</i> and translocation factor with different age level	140
Table 6.4. Root Biomass and Root essential oil of <i>Vetiveria zizanioides</i> grown on different concentration of heavy metals at 120days interval	153
Table 6.5 Effect of heavy metal on composition of vetiver oil	160