

LIST OF FIGURES

Figure No.	Title	After Page No.
1.	Bio-magnification of heavy metals along the food chain.	13
2a.	Amount of Zn extracted by different extractants from soils treated with different amendments (after 6 months period).	40
2b.	Amount of Zn extracted by different extractants from soils treated with different amendments (after 12 months period).	40
3a.	Amount of Cu extracted by different extractants from soils treated with different amendments (after 6 months period).	41
3b.	Amount of Cu extracted by different extractants from soils treated with different amendments (after 12 months period).	41
4a.	Amount of Ni extracted by different extractants from soils treated with different amendments (after 6 months period).	42
4b.	Amount of Ni extracted by different extractants from soils treated with different amendments (after 12 months period).	42
5.	Effect of amendments along with added metals on drymatter yield <i>B. juneca</i> at flowering.	44
6.	Effect of amendments along with added metals on mean Zn concentration by <i>B. juneca</i> at flowering.	45
7.	Effect of amendments along with added metals on mean Cu concentration by <i>B. juneca</i> at flowering.	46
8.	Effect of amendments along with added metals on mean Ni concentration by <i>B. juneca</i> at flowering.	47
9.	Effect of amendments along with added metals on mean Zn uptake by <i>B. juneca</i> at flowering.	48
10.	Effect of amendments along with added metals on mean Cu uptake by <i>B. juneca</i> at flowering.	49
11.	Effect of amendments along with added metals on mean Ni uptake by <i>B. juneca</i> at flowering.	50
12.	Effect of amendments along with added metals on drymatter yield <i>B.campestris</i> at flowering.	51
13.	Effect of amendments along with added metals on mean Zn concentration by <i>B.campestris</i> at flowering.	52
14.	Effect of amendments along with added metals on mean Cu concentration by <i>B.campestris</i> at flowering.	53
15.	Effect of amendments along with added metals on mean Ni concentration by <i>B.campestris</i> at flowering.	54

16.	Effect of amendments along with added metals on mean Zn uptake by <i>B.campestris</i> at flowering.	55
17.	Effect of amendments along with added metals on mean Cu uptake by <i>B.campestris</i> at flowering.	56
18.	Effect of amendments along with added metals on mean Ni uptake by <i>B.campestris</i> at flowering.	57
19.	Effect of amendments along with added metals on drymatter yield <i>B.carinata</i> at flowering.	58
20.	Effect of amendments along with added metals on mean Zn concentration by <i>B.carinata</i> at flowering.	59
21.	Effect of amendments along with added metals on mean Cu concentration by <i>B.carinata</i> at flowering.	60
22.	Effect of amendments along with added metals on mean Ni concentration by <i>B.carinata</i> at flowering.	61
23.	Effect of amendments along with added metals on mean Zn uptake by <i>B.carinata</i> at flowering.	62
24.	Effect of amendments along with added metals on mean Cu uptake by <i>B.carinata</i> at flowering.	63
25.	Effect of amendments along with added metals on mean Ni uptake by <i>B.carinata</i> at flowering.	64
26.	Effect of amendments along with added metals on drymatter yield <i>B.napus</i> at flowering.	65
27.	Effect of amendments along with added metals on mean Zn concentration by <i>B.napus</i> at flowering.	66
28.	Effect of amendments along with added metals on mean Cu concentration by <i>B.napus</i> at flowering.	67
29.	Effect of amendments along with added metals on mean Ni concentration by <i>B.napus</i> at flowering.	68
30.	Effect of amendments along with added metals on mean Zn uptake by <i>B.napus</i> at flowering.	69
31.	Effect of amendments along with added metals on mean Cu uptake by <i>B.napus</i> at flowering.	70
32.	Effect of amendments along with added metals on mean Ni uptake by <i>B.napus</i> at flowering.	71
33.	Effect of amendments along with added metals on drymatter yield <i>B.nigra</i> at flowering.	72
34.	Effect of amendments along with added metals on mean Zn concentration by <i>B.nigra</i> at flowering.	73
35.	Effect of amendments along with added metals on mean Cu concentration by <i>B.nigra</i> at flowering.	74
36.	Effect of amendments along with added metals on mean Ni concentration by <i>B.nigra</i> at flowering.	75

37.	Effect of amendments along with added metals on mean Zn uptake by <i>B.nigra</i> at flowering.	76
38.	Effect of amendments along with added metals on mean Cu uptake by <i>B.nigra</i> at flowering.	77
39.	Effect of amendments along with added metals on mean Ni uptake by <i>B.nigra</i> at flowering.	78

LIST OF PLATES

Plate No.	Title	After Page No.
1.	A general view of the laboratory hot plate- Plants analysis.	37
2.	A general view of the pot culture experiments with <i>Brassica juncea</i> .	44
3.	Effect of amendments along with added metals on <i>Brassica juncea</i> at two growth stages.	47
4.	Effect of amendments along with added metals on <i>Brassica campestris</i> at two growth stages.	51
5.	A general view of the pot culture experiments with <i>Brassica carinata</i> .	58
6.	Effect of amendments along with added metals on <i>Brassica carinata</i> at two growth stages.	61
7.	Effect of amendments along with added metals on <i>Brassica napus</i> at two growth stages.	65
8.	Effect of amendments along with added metals on <i>Brassica nigra</i> at two growth stages.	72