LIST OF TABLES

1. Mean monthly variations in condition co-efficient (k) of *Penaeus monodon* at station I.
2. Mean monthly variations in condition co-efficient (k) of *Penaeus indicus* at station I.
3. Mean monthly variations in condition co-efficient (k) of *Penaeus monodon* at station II.
4. Mean monthly variations in condition co-efficient (k) of *Penaeus indicus* at station II.
5. Mean monthly variations of physico-chemical variables at station I.
6. Mean monthly variations of physico-chemical variables at station II.
7. Interrelationship between condition co-efficient (k) of *Penaeus monodon* and physico-chemical variables at station I station II.
8. Interrelationship between condition co-efficient (k) of *Penaeus indicus* and physico-chemical variables at station I station II.
9. Mean monthly concentration of dissolved heavy metals in water at station I.
10. Mean monthly concentration of dissolved heavy metals in water at station II.
11. Interrelationship between condition co-efficient (k) of *Penaeus monodon* and dissolved heavy metals in water at station I station II.
12. Interrelationship between condition co-efficient (k) of *Penaeus indicus* and dissolved heavy metals in water at station I station II.
13. Multiple linear regression analysis at sampling station I and station II describing the effects dissolved heavy metals in water on condition co-efficient of prawns.
14. Mean monthly variations of total and biologically available heavy metals in soil at station I.

15. Mean monthly variations of total and biologically available heavy metals in soil at station II.

16. Interrelationship between condition co-efficient (k) of *Penaeus monodon* and biologically available heavy metals in soil at station I station II.

17. Interrelationship between condition co-efficient (k) of *Penaeus indicus* and biologically available heavy metals in soil at station I station II.

18. Multiple linear regression analysis at sampling station I and station II describing the effects dissolved heavy metals in soil on condition co-efficient of prawns.

19. Mean monthly heavy metal concentration in muscle of *Penaeus monodon* at station I.

20. Mean monthly heavy metal concentration in muscle of *Penaeus indicus* at station I.

21. Mean monthly heavy metal concentration in muscle of *Penaeus monodon* at station II.

22. Mean monthly heavy metal concentration in muscle of *Penaeus indicus* at station II.

23. Interrelationship between physico-chemical variables and heavy metal concentration in prawns muscles of Kulti brackish-water body.

24. Interrelationship between physico-chemical variables and heavy metal concentration in prawns muscles of Kanmari brackish-water body.

25. Mean monthly heavy metal concentration in gills of *Penaeus monodon* at station I.

26. Mean monthly heavy metal concentration in gills of *Penaeus indicus* at station I.
27. Mean monthly heavy metal concentration in gills of *Penaeus monodon* at station II.

28. Mean monthly heavy metal concentration in gills of *Penaeus indicus* at station II.

29. Interrelationship between physico-chemical variables and heavy metal concentration in prawns gills of Kulti brackish-water body.

30. Interrelationship between physico-chemical variables and heavy metal concentration in prawns gills of Kanmari brackish-water body.

31. Mean monthly heavy metal concentration in hepatopancreas of *Penaeus monodon* at station I.

32. Mean monthly heavy metal concentration in hepatopancreas of *Penaeus indicus* at station I.

33. Mean monthly heavy metal concentration in hepatopancreas of *Penaeus monodon* at station II.

34. Mean monthly heavy metal concentration in hepatopancreas of *Penaeus indicus* at station II.

35. Interrelationship between physico-chemical variables and heavy metal concentration in prawns hepatopancreas of Kulti brackish-water body.

36. Interrelationship between physico-chemical variables and heavy metal concentration in prawns hepatopancreas of Kanmari brackish-water body.

37. Mean monthly heavy metal concentration in exoskeleton of *Penaeus monodon* at station I.

38. Mean monthly heavy metal concentration in exoskeleton of *Penaeus indicus* at station I.

39. Mean monthly heavy metal concentration in exoskeleton of *Penaeus monodon* at station II.
40. Mean monthly heavy metal concentration in exoskeleton of *Penaeus indicus* at station II.

41. Interrelationship between physico-chemical variables and heavy metal concentration in prawns exoskeleton of Kulti brackish-water body.

42. Interrelationship between physico-chemical variables and heavy metal concentration in prawns exoskeleton of Kanmari brackish-water body.

43. Multiple linear regression analysis at sampling station I (Kulti) describing the effects biologically available heavy metals in soil, dissolved heavy metal, surface water temperature, pH and salinity on accumulated heavy metals in *Penaeus monodon*.

44. Multiple linear regression analysis at sampling station I (Kulti) describing the effects biologically available heavy metals in soil, dissolved heavy metal, surface water temperature, pH and salinity on accumulated heavy metals in *Penaeus indicus*.

45. Multiple linear regression analysis at sampling station II (Kanmari) describing the effects biologically available heavy metals in soil, dissolved heavy metal, surface water temperature, pH and salinity on accumulated heavy metals in *Penaeus monodon*.

46. Multiple linear regression analysis at sampling station II (Kanmari) describing the effects biologically available heavy metals in soil, dissolved heavy metal, surface water temperature, pH and salinity on accumulated heavy metals in *Penaeus indicus*. 