INDEX OF FIGURES

Fig. 1: *Senga kaigaonensis* n.sp.
   a) Scolex  (b) Mature Proglottid  (c) Gravid proglottids

Fig. 2: *Circumoncobothrium hemlatae* n.sp.
   a) Scolex  (b) Mature Proglottid  (c) Gravid proglottids

Fig. 3: *Circumoncobothrium shindei*, 1977.
   a) Scolex  (b) Mature Proglottid  (c) Gravid proglottids

Fig. 4: *Lytocestus teesgaonensis* n.sp.
   a) Scolex  (b) Mature Proglottid  (c) Gravid proglottids

Fig. 5: *Gangesia bensurensis* n.sp.
   a) Scolex  (b) Mature Proglottids

Fig. 6: Protein content in *Circumoncobothrium hemlatae* n.sp. infected and uninfected intestinal tissue of *Mastacembelus armatus*

Fig. 7: Protein content in *Lytocestus teesgaonensis* n.sp. infected and uninfected intestinal tissue of *Clarias batrachus*.

Fig. 8: Protein content in *Gangesia bensurensis* n.sp. infected and uninfected intestinal tissue of *Wallago attu*. 
Fig. 9: Glycogen content in *Circumoncobothrium hemlatae* n.sp., infected and uninfected intestinal tissue of *Mastacembelus armatus*.

Fig. 10: Glycogen content in *Lytocestus teesgaonensis* n.sp., infected and uninfected intestinal tissue of *Clarias batrachus*.

Fig. 11: Glycogen content in *Gangesia bendinensis* n.sp. infected and uninfected intestinal tissue of *Wallago attu*.

Fig. 12. Lipid content in *Circumoncobothrium hemlatae* n.sp. infected and uninfected intestinal tissue of *Mastacembelus armatus*.

Fig. 13. Lipid content in *Lytocestus teesgaonensis* n.sp. infected and uninfected intestinal tissue of *Clarias batrachus*.

Fig. 14. Lipid content in *Gangesia bendinensis* n.sp. infected and uninfected intestinal tissue of *Wallago attu*.

Fig. 15. Graph showing RBC count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 16. Graph showing WBC count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 17. Graph showing Hb% count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 18. Graph showing PCV% count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*. 
Fig. 19. Graph showing MCV (µ³) count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 20. Graph showing MCH (µg) count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 21. Graph showing MCHC (%) count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*.

Fig. 22. Graph showing Differential leucocyte count (DLC %) count in infected and uninfected hosts, *Clarias batrachus, Mastacembellus armatus* and *Wallago attu*. 
INDEX OF PHOTOPLATES

Plate I: Map of India and Maharashtra.
Plate II: Collection sites (Satellite map).
Plate III: Host.
Plate IV: Preservation and Collection of Cestode Parasites

Plate 1: Senga kaigaonensis n.sp.
Plate 2: Circumoncobothrium hemlatae n.sp.
Plate 3: Circumoncobothrium shindei, 1977.
Plate 4: Lytocestus teesgaonensis n.sp.
Plate 5: Gangesia bendsurensis n.sp.
Plate 6: Histopathology of cestode Senga kaigaonensis n.sp.
Plate 7: Histopathology of cestode Circumoncobothrium hemlatae n.sp.
Plate 8: Histopathology of cestode Gangesia bendsurensis n.sp.
Plate 9: Blood Collection Technique
Plate 10: Red and White Cells