LIST OF FIGURES

Figure 1  Monthly variation in Air Temperature at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 2  Monthly variation in Air Temperature at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 3  Monthly variation in water Temperature at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 4  Monthly variation in water Temperature at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 5  Monthly variation in pH at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 6  Monthly variation in pH at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 7  Monthly variation in Transparency at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 8  Monthly variation in Transparency at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 9  Monthly variation in Turbidity at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 10 Monthly variation in Turbidity at four different sites of Chitri Dam at Ajara during 2009-2010.
Figure 11  Monthly variation in TDS at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 12  Monthly variation in TDS at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 13  Monthly variation in Conductivity at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 14  Monthly variation in Conductivity at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 15  Monthly variation in Dissolved Oxygen at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 16  Monthly variation in Dissolved Oxygen at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 17  Monthly variation in Free CO2 at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 18  Monthly variation in Free CO2 at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 19  Monthly variation in Alkalinity at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 20  Monthly variation in Alkalinity at four different sites of Chitri Dam at Ajara during 2009-2010.
Figure 21  Monthly variation in Chlorides at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 22  Monthly variation in Chlorides at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 23  Monthly variation in Hardness at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 24  Monthly variation in Hardness at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 25  Monthly variation in Sulphate at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 26  Monthly variation in Sulphate at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 27  Monthly variation in BOD at four different sites of Chitri Dam at Ajara during 2008-2009.

Figure 28  Monthly variation in BOD at four different sites of Chitri Dam at Ajara during 2009-2010.

Figure 29  Density of Rotifers (org/L) in Chitri Dam at Ajara during 2008-2009.

Figure 30  Density of Rotifers (org/L) in Chitri Dam at Ajara during 2009-2010.

Figure 31  Density of Cladocerans (org/L) in Chitri Dam at Ajara during 2008-2009.
Figure 32  Density of Cladocerans (org/L) in Chitri Dam at Ajara during 2009-2010.

Figure 33  Density of Copepods (org/L) in Chitri Dam at Ajara during 2008-2009.

Figure 34  Density of Copepods (org/L) in Chitri Dam at Ajara during 2009-2010.

Figure 35  Percent occurrence of various Zooplanktons in Chitri Dam at Ajara during 2008-2009.

Figure 36  Percent occurrence of various Zooplanktons in Chitri Dam at Ajara during 2009-2010.

LIST OF PHOTO PLATES

Plate – A  Map of India
Plate - B  Map of India showing Maharashtra
Place - C  Map of Maharashtra showing Kolhapur District and Map of Kolhapur District.
Plate – D  Map of Ajara Taluka showing study Area.
Plate - E  View of Chitri Dam.
Plate - F  Sampling Station “A” and “B”
Plate - G  Sampling Station “C” and “D”
Plate - H  Collection of Plankton and Water Sample.
Plate - I  Working in Research Laboratory.
Plate - J  Avifauna of Chitri Dam.
Plate - K  Avifauna of Chitri Dam.
Plate - L  Icthyofauna of Chitri Dam.