Figure 1 showing carbohydrate, protein and lipid in the muscle of Hard crabs *Scylla serrata*. Values are expressed as g/100g.

Figure 2 showing carbohydrate, protein and lipid in the muscle of soft shelled crabs *Scylla serrata*. Values are expressed as g/100g.
Figure 3 showing the Total Heterotrophic Bacterial population in the muscle of Hard and soft shelled crabs *Scylla serrata*. Values are expressed in cfu/gm ×10^6.

Figure 4 showing the pathogenic bacteria Coliforms in the muscle of Hard and soft shelled crabs *Scylla serrata*. Values are expressed in cfu/gm ×10^2.
Figure 5 showing the monthly variations of pathogenic bacteria *Vibrio* in the muscle of Hard and soft shelled crabs *Scylla serrata*. Values are expressed in cfu/gm.

Figure 6 showing the monthly variations of pH value in the muscle of Hard and soft shelled crab *Scylla serrata*. 
Figure 7 showing the percentage of amino acids in the muscle of soft shelled crab *Scylla serrata*. 
Figure 8 showing the carbohydrate content in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.

Figure 9 showing the protein content in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.
Figure 10 showing the total lipid content in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.

Figure 11 showing the THB in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.
Figure 12 showing the pathogenic bacteria, Coliforms in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.

Figure 13 showing the pathogenic bacteria, *Vibrio* sp., in soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.
Figure 14 showing the pH of soft shelled mud crabs treated with Chlorine (100ppm), Ozone and combined use of Chlorine and Ozone.
Figure 15 showing the percentage of amino acids content in combined use of Chlorine and Ozone treated soft shelled mud crab’s muscle.
Figure 16 showing the overall acceptability of the soft shell crabs by applying 1-9 Hedonic Rating Scale.
Figure 17 showing the score for sensory attributes (colour, appearance, flavour, texture and taste) of Soft crabs.

Figure 18 showing the score for sensory attributes (colour, appearance, flavour, texture and taste) of chlorine (100ppm) treated crabs.
Figure 19 showing the score for sensory attributes (colour, appearance, flavour, texture and taste) of ozone treated crabs.

Figure 20 showing the score for sensory attributes (colour, appearance, flavour, texture and taste) of Ozone + Chlorine treated crabs
Map 1 showing the study area at Kakinada coast in Andhra Pradesh State
Plate – 1. The study animal *Scylla serrata*
Plate – 2. Acclimatized Newly Moulted Soft Shell Mud Crab with empty shell
Plate – 3. Chlorine (100ppm) treatment of soft shelled mud crab
Plate – 4. Ozone treatment of soft shelled mud crab
Plate – 5. Ozone with Chlorine treatment of soft shelled mud crab
Plate – 6. Chlorine with Ozone treated soft shelled mud crab after cooking.
Plate 7 showing the texture of muscle from acclimatized soft shelled mud crabs.

Plate 8 showing the texture of muscle from Chlorine with Ozone treated soft shelled mud crabs.