

**COLLEGE OF FISHERIES SCIENCE**

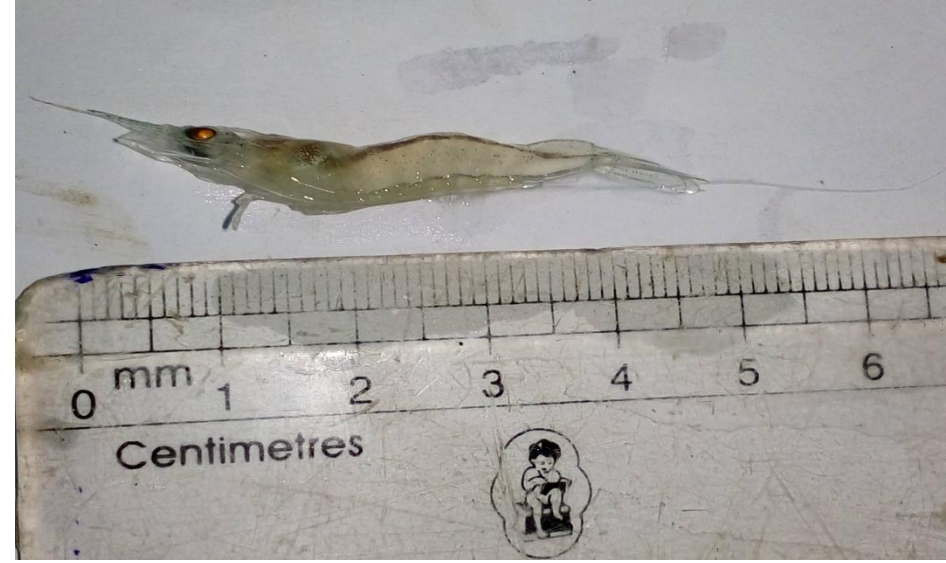
**Navsari Agricultural University**

**NAVSARI**

**Research activities at Aqua-farm**

**Danti (Umbharat)**

**Year – 2016**



**Experimental set up for the study on Indian white shrimp (*Fenneropenaeus indicus*) growth under varying salinities**

## **Exp.1:**

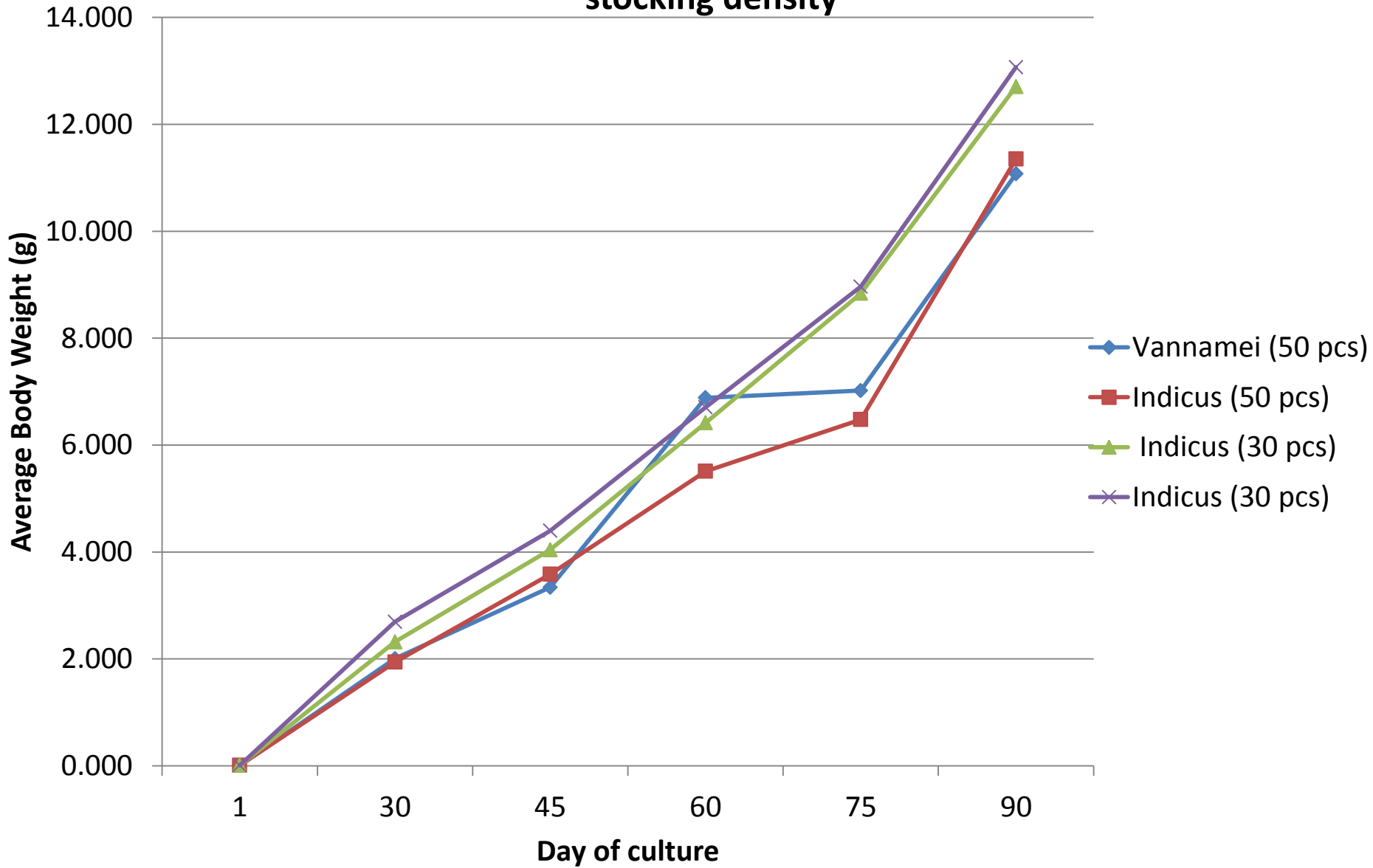
### **Study on Indian white shrimp (*Fenneropenaeus indicus*) growth under varying salinities**

With an objective to study the growth of indigenous species, *Fenneropenaeus indicus* was evaluated under different salinities. The first year trial showed better growth and survival at 25 and 30 ppt salinities

# Harvest of *F. indicus* (Indian white shrimp) and *Litopenaeus Vannamei* (Vannamei shrimp) at Danti- Umbharat farm, CSSR, NAU, Navsari



# Growth curve of Indain white shrimp and vannamei shrimp at higher stocking density



## Exp.2:

### **Farm trail on Growth comparison of Indian white shrimp and vannamei shrimp at higher stocking density**

Indian white shrimp (*F. indicus*) and White legged shrimp (*L. vannamei*) high density culture trial @ 50 nos./m<sup>2</sup> and @ 30 nos./m<sup>2</sup> were carried out for 89 and 103 days respectively at CSSRS, Danti farm. The average production of vannamei shrimp @ 50 pcs/sq.m was higher (4660 kg/ha) compared to Indian white shrimp @50 pcs/sq.m (1307 kg/ha) with survival rates of 76.39 % and 23.02 % for the respective species. Similarly, the average production of Indian white shrimp @50 pcs/sq.m was higher (1307 kg/ha) compared to Indian white shrimp @30 pcs/sq.m (667 kg/ha) with survival rates of 23.02 % and 13.58 % for the respective species.