

**DEVELOPMENT AND EVALUATION OF *ULVA LACTUCA* BASED
PROBIOTIC BEVERAGE AND *IN VITRO* BIOAVAILABILITY
OF IRON USING CACO-2 CELL MODEL**

Thesis Submitted in Partial Fulfilment of the Requirements for the
Degree of Doctor of Philosophy in Food Science and Nutrition

By
GUNTIBOINA KARISHMA YADAV
(18PHFNF003)

Supervisor
Dr. S. KOWSALYA
Department of Food Science and Nutrition

Avinashilingam Institute for Home Science and Higher Education
for Women, Coimbatore - 641 043.

NOVEMBER 2024