

**Subject: PG Elective course for Environmental Science/biological science/chemistry/Agriculture**

**Course: Biomass characterization**

### **Development Team**

Course Coordinator: Dr.K. Arunkumar, Ph.D

Associate Professor & Head, Department of Plant Science, Central University of Kerala, Kasaragod-671320, Kerala, India

Content Writer: Dr.K. Arunkumar, Ph.D

Associate Professor & Head, Department of Plant Science, Central University of Kerala, Kasaragod-671320, Kerala, India

Content Reviewer: Prof. (Dr.) Muthukumar Muthusamy, Ph.D

Professor & Head  
Department of Environmental Science, Central University of Kerala, Kasaragod-671320, Kerala, India

**Module title: 30. Fermentation (Fermentors and products) -2**

**Id : FM/FHCF/30**

**Objectives: To study the**

- classification of fermentation process
- common fermenters used and major fermentation products including products having industrial applications as well as food items.

**Key words:** Fermentation types, reactors, fermenters, fermentation products, fermented foods

**Prerequisites:** Fermentation; microbes for fermentations; foods substances for fermentations.

**Outcome:** At the end of the modules, the learners get information about the classification of fermentation process, common fermenters used and major fermentation products including products having industrial applications as well as food items.