



Shizuoka Institute of Science and Technology

2200-2 Toyosawa, Fukuroi 437, Japan

Telephone 0538-45-0111

Telefax 0538-45-0110

Dr. Tatsuro Miyaji, Ph.D.
Associate Professor

Shizuoka Institute of Science
and Technology 2200-2
Toyosawa, Fukuroi, Shizuoka
437-8555, Japan

CERTIFICATE OF THE CO-SUPERVISOR

This is to certify that the thesis entitled **“Biochemical and microbiological characterization of rice beer produced in Assam and therapeutic application of a novel ester synthesized from its components”** submitted to the School of Engineering, Tezpur University, Assam in partial fulfilment for the award of the degree of Doctor of Philosophy in the Department of Food Engineering and Technology is a record of research work carried out by Mr. Arup Jyoti Das under my cosupervision and guidance.

All helps received by him from various sources have been duly acknowledged.

No part of the thesis has been submitted elsewhere for award of any other degree.

Date: 16th/December/2016

Place:

Tatsuro Miyaji

Tatsuro Miyaji (Co-Supervisor)
Department of Materials and Life Science,
Faculty of Science and Technology,
Shizuoka Institute of Science and Technology,
2200-2 Toyosawa, Fukuroi, Shizuoka 437-8555, Japan
Tel.+81-538-45-0196
Fax. +81-538-45-0110
E-mail miyaji.tatsuro@sist.ac.jp