

**Efficacy of bacterial isolate from natural sources
(raw milk) for DL-Valine and DL-Alanine
production in different fermentation media**

DISSERTATION

Submitted to the University of Kerala in partial fulfillment of the
requirements for the award of the Degree of Master of Science

IN

Food and Dairy Biotechnology

Submitted by

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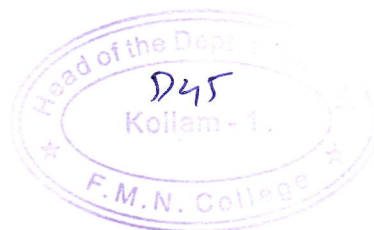


DEPARTMENT OF BOTANY

FATIMA MATA NATIONAL COLLEGE

Kollam

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सेप्सी CEPCI

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CERTIFICATE

This is to certify that this dissertation entitled "Efficacy of bacterial isolate from natural sources (raw milk) for DL-Valine and DL-Alanine production in different fermentation media" is a bonafide record of independent work carried out by Ms. RESHMI RAJ, M.Sc. Food and Dairy Biotechnology student, Fatima Mata National College, Kollam under the guidance and supervision of Dr. Rekha Sivadasan, Junior Scientist of this institute. It is further certified that she has independently reviewed the literature, performed all the tests, analyzed the results and critically discussed the findings in presenting data.

This is in partial fulfillment of the requirements for the *Master's Degree in Food and Dairy Biotechnology of University of Kerala.*

Kollam
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(Dr. C. Prabhakumari)
Dy. Principal Scientist



Accreditations : NABL as per ISO 17025:2005 in the fields of Chemical and Biological Testing
& Bureau of Indian Standards (BIS) for Packaged Drinking Water Testing.
Approvals Kerala State Pollution Control Board (KSPCB) 'A' Grade

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