

DEVELOPMENT AND PHYSIO-CHEMICAL PROPERTIES
OF WOOD APPLE (*Limonia acidissima*) FRUIT BAR WITH JAGGERY AS A
SWEETNER

A project report

Submitted in partial fulfilment of the requirements

For the award of degree of

BACHELOR OF SCIENCE

IN

CHEMISTRY, BIOTECHNOLOGY AND MICROBIOLOGY

By

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SRI Y.N COLLEGE (AUTONOMOUS)-NARASAPUR

(Affiliated to Adikavi Nannaya University)
Accredited by NAAC at A+ Grade (4th cycle)
2022-2025

Submitted to



CENTRAL FOOD TECHNOLOGY RESEARCH INSTITUTE
RESOURCE CENTRE, HYDERABAD
TELENGANA

Verified
K. Ramesh
28/3/2025

DECLARATION

I, Kumari NAGADASU LILLY GRACE, hereby declare that the thesis titled “DEVELOPMENT AND PHYSIO-CHEMICAL PROPERTIES OF WOOD APPLE FRUIT BAR WITH JAGGERY AS SWEETNER- A Comparative study” has been submitted to SRI YERAMILLI NARAYANA MURTHY COLLEGE affiliated with ADIKAVI NANNAYA UNIVERSITY, RAJAHMUNDRY as part of the partial fulfilment of the requirements for the award of a **Bachelors of Sciences in Chemistry, Biotechnology and Microbiology**.

This thesis is an original and bonafide piece of research work carried out solely by me under the external guidance of **Dr. D. Madhusudhan Rao**, senior Technical Officer, **CSIR-CFTRI**, Resource Centre, Hyderabad, and the internal guidance of **Sub. Lt. G Sam Babu** (HOD of Biotechnology department) in SRI YERAMILLI NARAYANA MURTHY COLLEGE. The research was conducted during the period from **20-01-2025 to 20-03-2025**.

I further affirm that this work has not been previously submitted, either wholly or partially, for the award of any other Degree, Masters, Diploma, Fellowship, or similar title to any university or institution, Additionally, I declare that it will not be Submitted in the future for any such purpose.

Place: Hyderabad

Date: 28-03-2025


Signature of the Candidate:

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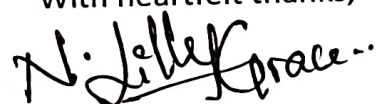
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With heartfelt thanks,


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CERTIFICATE OF THE EXTERNAL GUIDE

This is to certify that the internship entitled “DEVELOPMENT AND PHYSIO – CHEMICAL PROPETRIES OF WOOD APPLE FRUIT BAR WITH JAGGERY AS A SWEETNER.” is submitted by Ms. Nagadasu Lilly Grace, Reg No 12210004, to B.Sc. (Chemistry, Biotechnology and Microbiology), Sri Yeramilli Narayana murthy College (Narsapur) affiliated with ADIKAVI NANNAYA UNIVERSITY (Rajamahendravaram), Andhra Pradesh in partial fulfillment of the requirements for the degree of B.Sc. (Chemistry, Biotechnology and Microbiology) is a record of work carried by her under my supervision (Mr. D. Madhusudhan Rao, Senior Technical Officer, CSIR -CFTRI -Resource Centre, Hyderabad). The contents of the internship, in full or in parts have not been submitted to any other institute or University for the award of any Degree or diploma.


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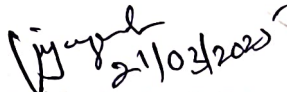
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This is to certify that the project work entitled "DEVELOPMENT AND PHYSIO - CHEMICAL PROPETRIES OF WOOD APPLE FRUIT BAR WITH JAGGERY AS A SWEETNER." is a result of experiments carried out by Ms. Nagadasu Lilly Grace, a student of B. Sc. (Chemistry, Biotechnology and Microbiology), Sri Yeramilli Narayana murthy College (Narsapur) affiliated with ADIKAVI NANNAYA UNIVERSITY (Rajamahendravaram) during January 20-2025 to March 20-2025 at CSIR - Central Food Technological Research Institute (CFTRI), Resource Centre, Hyderabad under my guidance.

This is also to certify that the above said work has not previously submitted for the award of any degree, diploma and fellowship in any Indian or Foreign University.


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