



CERTIFICATE

This is to certify the work presented in this project entitled “Mitigation Effect of Biosurfactant from natural oil for Mild Steel Corrosion”. Is the own work of Ms. Ankita, student of M.Sc (Honours) Chemistry conducted in the Department of Physical Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab under my supervision towards the fulfillment of the degree of M.Sc (Honours) Chemistry during session 2023-2025. To the best my knowledge, no university/institute has previously submitted this material for a degree.

Date: 10/6/25


10/6/25

Dr. Nizamul Haque Ansari

(Co-supervisor)

Professor (Chemistry)


10/6/25

Dr. Mithu Maiti Jana

(Supervisor)

Associate Professor (Chemistry)

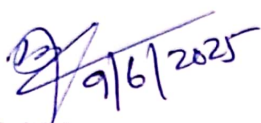
Department of Physical Sciences

Sant Baba Bhag Singh University

Khaila, Jalandhar

CERTIFICATE

This is to certify that the work presented in this project entitled “**Synthesis of Nanosurfactant by using Cucurbita pepo and its application in pharmaceutical industry**”. Is the own work of **Ms. RITIKA SHARMA** student of M.Sc.(Honours) Chemistry conducted in the **Department of physical sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab** under my supervision towards the fulfilment of the degree of M.SC. (Honours) Chemistry during session 2023-2025. This work has not submitted earlier to any university/institute for any degree to the best of my knowledge.


9/6/2025

Dr. Mithu Maiti Jana

Cosuperviser

Assosiate professor (chemistry)


Niz 9/6/25

Dr. Nizamul Haque Ansari

(Supervisor)

Professor (Chemistry)

Date : 09/06/2025

**Department of physical sciences
Sant Baba Bhag Singh University
Khiala, Jalandhar**

CERTIFICATE FROM CANDIDATE

This is to certify that the work presented in this thesis entitled “**Synthesis of Nano surfactant by using Karanja oil and its application in agriculture**”. Is the own work of **Ms. PRAKRITI JAMWAL** student of M.Sc. (Honours) Chemistry conducted in the **Department of physical sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab** under my supervision towards the fulfilment of the degree of M.Sc. (Honours) Chemistry during session 2023-2025. This work has not submitted earlier to any university/institute for any degree to the best of my knowledge.



Dr. Mithu Maiti Jana

Cosupervisor

Assosiate professor (chemistry)



Dr. Nizamul haque Ansari

Supervisor

Professor (chemistry)

Date : 09/6/25

Department of physical science

Sant Baba Bhag Singh University

Jalandhar

CERTIFICATE

This is to certify that work presented in the project dissertation entitled, "SYNTHESIS AND CHARACTERIZATION OF SILVER-DOPED ZINC NANOFERRITES USING PLANT EXTRACT AND ITS APPLICATIONS" is the own work of Miss Monika devi, registration number 23031004 and this work has been conducted in department of Physical Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab, India under my supervision and not been submitted earlier to any University/Institute for any research degree to the best of my knowledge.

Date: 30/6/2025

Place: Jalandhar


Signature of Supervisor

Dr. Nisha Sharma

Associate Professor (Chemistry)

Department of Physical Sciences,

SBBSU

CERTIFICATE

This is to certify that the dissertation titled "SYNTHESIS OF SILVER-DOPED MANGANESE NANOFERRITES USING PLANT EXTRACT AND ITS APPLICATIONS" submitted by **SONAL BHATIA**, Roll No.23031005, in partial fulfillment of the requirements for the award of the degree **M.SC. (HONS) CHEMISTRY**, in **DEPARTMENT OF PHYSICAL SCIENCES**, is a record of original work carried out by them under my supervision and guidance.

The project work has been carried out at **SANT BABA BHAG SINGH UNIVERSITY, JALANDHAR** during the academic year **2024-2025**, and has not been submitted elsewhere for the award of any degree or diploma.

Date: 30/6/2025

Place: Jalandhar

Signature of supervisor

Dr. Nisha Sharma

Professor (Chemistry)

Department of Physical Sciences

Sant Baba Bhag Singh University,

Jalandhar

