### Eggshell derived antibacterial cement-based composites

A thesis

submitted by

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In the partial fulfillment of the requirements for the degree of MASTER OF SCIENCE

(by research)



School of Engineering

### INDIAN INSTITUTE OF TECHNOLOGY, MANDI

Mandi, Himachal Pradesh-175001

MARCH 2021

# Dedicated to

# **HOPE**

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This is to certify that the thesis titled "Eggshell derived antibacterial cement-based composites" submitted by me, to the Indian Institute of Technology Mandi for the award of the degree of Master of Science (by research), is a bonafide record of the research work carried out by me in the School of Engineering, Indian Institute of Technology Mandi, under the supervision of Dr. Rahul Vaish and Dr. Rajeev Kumar. The contents of this thesis, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

In keeping with the general practice of reporting scientific observation, due acknowledgements have been made wherever the work described is based on the findings of other investigators.

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Date: 22<sup>nd</sup> March 2021

#### **Thesis Certificate**

This is to certify that the thesis titled "Eggshell derived antibacterial cement-based composites" submitted by Dikshita Nath, to the Indian Institute of Technology Mandi for the award of the degree of Master of Science (by research), is a bonafide record of the research work done by him under my supervision in the School of Engineering, Indian Institute of Technology Mandi. The contents of this thesis, 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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