

DECLARATION BY THE CANDIDATE

I, **Naresh Khanduri**, declare that the thesis entitled “**Isolation, Identification and Drug resistance testing of Gram-negative bacilli at a Tertiary-care hospital with special emphasis on Phenotypic and Genotypic Characterization of Carbapenem resistance**” is my own work conducted under the supervision of **Dr. R. K. Agarwal & Dr. Biswaroop Chatterjee** at Himalayan Institute of Medical Sciences, Department of Microbiology approved by Research Degree Committee.

I further declare that to the best of my knowledge the thesis does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University/ Deemed University without proper citation.

Besides this:

I have successfully completed the Course work of one semester as per UGC-Regulation 2016 norms.

I have also given a pre-Ph. D. presentation and successfully incorporated the changes suggested on the basis of feedback and comments received.

I have also published two research paper in a journal from the research work of the thesis and has produced an evidence of the same in the form of acceptance letter/or the reprint.

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Naresh Khanduri

(Ph. D. Student)

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CERTIFICATE

This is to certify that **Mr. Naresh Khanduri** in the department/division of **Microbiology** of this Institute has fulfilled the requirements prescribed for the Ph. D. degree of the Swami Rama Himalayan University, Dehradun.

The thesis entitled “**Isolation, Identification and Drug resistance testing of Gram-negative bacilli at a Tertiary-care hospital with special emphasis on Phenotypic and Genotypic Characterization of Carbapenem resistance**” was carried out under my direct supervision. No part of the thesis was submitted for the award of any degree or diploma prior to this date.

*Clearance was obtained from the Institutional Ethics Committee/ Institutional Animal Ethics for carrying out the study.

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Dr. R. K. Agarwal

(Supervisor)

Professor and Head
Department of Microbiology
Himalayan Institute of Medical Sciences
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Dehradun, Uttarakhand

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