ಸಿಎಸ್ಐಆರ್-ಕೇಂದ್ರೀಯ ಆಹಾರ ತಾಂತ್ರಿಕ ಸಂಶೋಧನಾಲಯ, ಮೈಸೂರು – ೫೭೦ ೦೨೦, ಭಾರತ सीएसआईआर – केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान, मैसूरु ५७० ०२०,भारत CSIR - Central Food Technological Research Institute, Mysuru 570 020, India

### **CERTIFICATE**

This is to certify that **Mr. Jagjit Singh Garewal**, MSc. (Semester III) of the Hemchand Yadav University, Durg carried out the dissertation entitled, "**Development of dairy based food products enriched with probiotics**" for the partial fulfillment of Master of Science in Microbiology. The dissertation has not formed the basis for the award of any degree, diploma, associate ship or fellowship. The dissertation represents independent work carried out by the candidate.

Signature of the Guide 5/9PL

Damarch Head of The Department 5191

Microbiology and Fermentation Technology CSIR-CFTRI, Mysuru

Signature of Co-ordinator, HRD भागुण्य / HEAD भागव संसाधन विकास विभाग Human Resource Development सीएमआईआर-सीएकटोजारआई / CSIR-CFTRI मेसह / Mysuru-270 020

ಸಿಎಸ್ಐಆರ್ – ಸಿಎಫ್ಟಿಆರ್ಐ – ಐಎಸ್ಓ ೯೦೦೧:೨೦೦೮, ೧೪೦೦೧:೨೦೦೪ ಮತ್ತು ೧೭೦೨೫:೨೦೦೫ (ಎನ್ಏಬಿಎಲ್) ಸಂಸ್ಥೆ सीएसआईआर – सीएफटीआरआई – आईएसओ ९००१:२००८,१४००१:२००४ और १७०२५:२००५ (एनएबीएल) संगठन

## **CERTIFICATE**

I certify that the research work presented in this thesis titled "Development of dairy based food products enriched with probiotics" has been carried out by Mr. Jagjit Singh Garewal, Roll No. 210708 under my guidance and this is his bonafide work. The research work is original and has not been submitted for any other degree of this or any other University. Further, He was a regular student and has worked under my guidance as a full time student from June 2022 to September 2022 at CSIR - Central Food Technological Research Institute (CFTRI), Mysore until the submission of the thesis to the Govt. V.Y.T. Post Graduate Autonomous College.

Place: CSIR-CFTRI, Mysore Date: 5<sup>th</sup> september, 2022

> Dr.Prakash M. Halami Chief Scientist and Head MFT Department, CSIR-CFTRI, Mysore



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This is to certify that MAYA SONI is a student of M.Sc. Final year, Microbiology, Govt. V. Y. T.PG Autonomous College, Durg (Chhattisgarh) has carried out this project on Microbiological analysis of urinary tract infection (UTI) and their susceptibility pattern.

She has submitted the project during academic session 2022-2023 towards partial fulfilment of the M.Sc. Degree in Microbiology.

**GUIDED BY** 

Mrs.Sushma Dubey



CONSULTANT PATHOLOGIST

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#### CERTIFICATE

This is to certify that **Bhavesh Thakur** has been carried out the work entitled "Ocimum sanctum Assisted Silver Nanoparticles Synthesis and Evaluation of its Antibacterial Potential" at School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.) under the supervision of Dr. Jai Shankar Paul Assistant Professor. The report embodies results of original work, and studies as are carried out by the student himself. No part of this report has been submitted and will not be submitted elsewhere for the award of any degree or diploma. The work submitted to Department of Microbiology, Govt. V.Y.T. Post Graduate, Autonomous College Durg, Chhattisgarh, for partial fulfillment of the requirement for the award of Master of Science in Microbiology.

Dr. Jai Shankar Paul Assistant Professor (contract) (Supervisor)

Dr. Keshav Kant Sahu

Professor & Head refessor & Head SOS in Biotechnology M. Ravishankar Shukia Universiti Reibur-492010 (C. G.)





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This is to certify that Ms. Paridhi Shrivas student of M.Sc. Microbiology, Govt. V. Y. T. P.G Autonomous College, Durg, Chhattisgarh, has completed her research work project entitled "Formulation and evaluation of hydrogel from *Millettia pinnata* leaf extract and it's activity against skin and genital infection." for 3 months under the guidance of Ms. Swati Gokhe, Research Associate, Department of Biotechnology, Pinnacle Biomedical Research Institute (PBRI).

We wish her best of luck in her career.

15<sup>th</sup> Sept 2022 Bhopal

Ms. Swati Gokhe Research Associate



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