

इन्वर्टिस विश्वविद्यालय

INVERTIS
UNIVERSITY BAREILLY

बरेली, उत्तर प्रदेश, भारत

श्री कमाल अहमद कुरैशी

को एतद्वारा

बायोटेक्नोलॉजी विषय में विद्या वाचस्पति

की उपाधि प्रदान करता है।

विद्या-परिषद् की अनुशंसा पर यह उपाधि,

अवाप्ति हेतु विनियमों में विहित अपेक्षाओं को पूर्ण कर लेने पर

तथा अक्टूबर 2021 में अपने शोध-प्रबंध

“एंटीबायोटिक प्रोडक्शन, प्यूरिफिकेशन, कैरेक्टराइजेशन, ऐंड बायोइवालुएशन ओफ हाइली
पोटेंट स्ट्रेप्टोमीज़ स्मिरनियस स्ट्रेन UKAQ_23”

के सफल पक्षपोषण के उपरांत

आज 20 नवम्बर 2021 को दी गई है।

INVERTIS UNIVERSITY

BAREILLY UTTAR PRADESH, INDIA

*Upon the recommendation of the Academic Council,
the University hereby confers the degree of*

Doctor of Philosophy in Biotechnology

Upon

Mr. Kamal Ahmad Qureshi

*who has fulfilled the requirements for the degree as prescribed under the regulations
and successfully defended in Oct-21, the thesis entitled:*

**“ANTIBIOTIC PRODUCTION, PURIFICATION, CHARACTERIZATION, AND BIO-
EVALUATION OF HIGHLY POTENT STREPTOMYCES SMYRNAEUS STRAIN UKAQ_23”**

Given this day, on November 20, 2021.

Registrar
Invertis University

Kamal Ahmad
28/10/21



Santosh

Signature

Signature

INVERTIS UNIVERSITY, BAREILLY

Report of Ph.D. Thesis Viva Voce Examination

Name of the Candidate: Mr. Kamal Ahmad Qureshi

Student ID: PHDHU2018002
Enrolment No. 180003

TOPIC: "Antibiotic Production, purification, characterization, and bioevaluation of a highly potent *Streptomyces smyrnaeus* strain UKAQ_23"

Modified Topic (if any):

x

x

x

Department: Biotechnology
Date of Registration/URDC: 04.08.2018

Supervisor: Dr. Dinesh Kumar
Co-supervisor: Dr. Pankaj Kumar Rai
Dr. Avinash D. Bholay

Comments of the Committee:

defended successfully

The Candidate has **PASSED / TO RE-APPEAR / FAILED**

Viva Voce Examination Committee

1. Prof. YDS Arya (Vice- Chancellor & Chairman)

[Signature]

11.10.2021

2. Dr. Manish Kumar (External Examiner)

[Signature] Manish Kumar

11/10/2021

3. Prof. Lalit Singh (Dean Biotechnology)

[Signature] Lalit Singh

4. Dr. Shashank Upadhyay (HOD)

[Signature]

5. Dr. Keshwa Nand Tripathi (Internal Expert)

6. Mr. Santosh Kumar (Registrar)

[Signature] Santosh Kumar

11/10/21

7. Dr. Arvind Kumar Shukla (Secretary, URDC)

[Signature]

11.10.2021

8. Dr. Dinesh Kumar (Supervisor)

[Signature]

9. Dr. Pankaj Kumar Rai (Co-Supervisor)

[Signature] Pankaj Kumar Rai

11.10.2021

Ph.D. Coordinator

[Signature]
Approved by Vice Chancellor, Invertis University, Bareilly

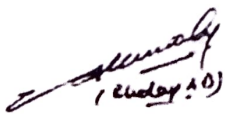
Registrar
Invertis University
Bareilly

CERTIFICATE


This is to certify that the thesis entitled " Antibiotic production, purification, characterization, and bio-evaluation of highly potent *Streptomyces smyrnaeus* strain UKAQ_23" submitted by Kamal Ahmad Qureshi for the award of Degree of Doctor of Philosophy (Biotechnology) in the Faculty of Biosciences, Department Biotechnology, of Invertis University, Bareilly is a record of authentic work carried out by him under our supervision.

The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other Degree or Diploma.

It is further certified that he has worked with us for the required period in the Faculty of Biosciences, Department of Biotechnology, Invertis University, Bareilly.




DR. AVINASH D. BHOLAY
Co-supervisor
Department of Microbiology,
KTHM College (SPPU),
Nashik, Maharashtra, India



DR. DINESH K. PRAJAPATI
Supervisor
Department of Biotechnology,
Invertis University, Bareilly,
Uttar Pradesh, India



Registrar
Invertis University
Bareilly



DR. PANKAJ K. RAI
Co-supervisor
Department of Biotechnology,
Invertis University, Bareilly,
Uttar Pradesh, India