



AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6900

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Dipartimento di

Bioscienze \_\_\_\_\_

Responsabile scientifico: Prof. Nardini Marco \_\_\_\_\_

[Nome e cognome]

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Pandey
Nome	Niteesh

OCCUPAZIONE ATTUALE

Incarico	Struttura
Research Associate	International Water Management Institute, funded project "Protecting Human Health through One Health Approach"

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Master Of Science (M.Sc.) in Biotechnology	Himachal Pradesh University-Shimla, India	2015
Specializzazione	Not applicable	Not applicable	Not applicable
Dottorato Di Ricerca	Characterizing drug resistant beta-lactamases produced by isolated bacteria from field samples, towards the understanding of AMR and development of novel diagnostics	Indian Institute of Technology-Roorkee, India	2024
Master	Not applicable	Not applicable	Not applicable
Diploma Di Specializzazione Medica	Not applicable	Not applicable	Not applicable
Diploma Di Specializzazione	Not applicable	Not applicable	Not applicable

Self-Attested  
Niteesh





Europea			
Altro	Not applicable	Not applicable	Not applicable

## ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città
Not applicable	Not applicable	Not applicable

## LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	Excellent
Hindi	Excellent

## PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2017	Graduate Aptitude Test in Engineering (EY) All India Rank 73
2016	Graduate Aptitude Test in Engineering (Biotechnology) All India Rank 993

## ATTIVITÀ DI FORMAZIONE O DI RICERCA

<b>Workshops-</b> <ul style="list-style-type: none"><li>One day workshop On "Characterization of Nanoparticles using Zetasizer: Hands-on training" in IIT-Roorkee, November 2018.</li><li>Virtual workshop on Elemental Analysis and Genomics, ICGEB-New Delhi, September 2021.</li><li>GCxGC-TOF-MS workshop in ICGEB-New Delhi, February 2020.</li></ul>
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## ATTIVITÀ PROGETTUALE

Anno	Progetto
Jan 2015- Jun 2015	Immobilization of $\alpha$ -amylase from <i>Bacillus licheniformis</i> on Whatman filter paper and its application in wastewater treatment
Jul 2024-	Protecting human health through one health approach

Self Attested  
Nitesh





Present

## TITOLARITÀ DI BREVETTI

### Brevetto

Niteesh Kumar Pandey and Saugata Hazra, Colorimetric assay for testing the presence of antimicrobial resistance, 2021, Patent Number 435256. (Indian Patent)

## CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
07 Feb 2018	Niteesh Kumar Pandey, Saugata Hazra, Serine protease and its inhibitors, International conference ACS on Campus IIT Roorkee, Indian Institute of Technology- Roorkee, India, 2018	Not applicable
7-8 march 2019	Niteesh Kumar Pandey, Saugata Hazra, Optimization towards AMR field data collection using culture free testing kit, International conference, 22nd ADNAT Convention AROHP-2019, Indian Institute of Technology- Roorkee, India, 2019	Not applicable
1-4 Dec 2021	Niteesh Kumar Pandey, Saugata Hazra, A low-cost diagnostic kit to detect Antimicrobial resistance without laboratory set-up, International Conference on Biotechnology for Resource Efficiency, Energy, Environment, Chemicals and Health, CSIR-Indian Institute of Petroleum, Dehradun and The Biotech Research Society, India at Dehradun, 2021.	Not applicable

## PUBBLICAZIONI

### Capitolo del libro

Mainsh Paul, Niteesh Kumar Pandey, Gireesh Shroti, Preeti Tomar, Hrudayanath Thatoi, Debalina

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Bhattacharya, Samdra Prasad Banik, Debashish Ghosh, Saugata Hazra, "Enzyme-Nanoparticle Corona: A Novel Approach, Their Plausible Applications and Challenges", in Springer, Singapore, Springer, 2021 (Book Chapter)

Swati Mohapatra, Niteesh Kumar Pandey, Saikat Dey, Diptarka Dasgupta, Parsenjit Mondal, Debashish Ghosh, Saugata Hazra, "Production of Biodegradable Polymers (PHAs) by Soil Microbes Utilizing Waste Materials as Carbon Source", in CRC Press, CRC Press, 2020 (Book Chapter)

- Niteesh Kumar Pandey, Kalpna Hiteshi, Reena Gupta, 'Drug Deliver by Green Nanoparticles' Green Polymer Composites Technology: Properties and Applications Tylor and Francis Group and CRC Press 2017 (Book Chapter)

## Articoli su riviste

Niteesh Kumar Pandey and Saugata Hazra, "Complete genome sequence of carbapenem resistant pathogenic *Klebsiella aerogenes* strain CH7 isolated from vermicompost", Microbiology Resource Announcements, 2024.

Sourya Bhattacharya, Vivek Junghare, Mousumi Hazra, Niteesh Kumar Pandey, Abirlal Mukherjee, Kunal Dhankhar, Neeladrisingha Das, Partha Roy, Ramesh; Dubey, Saugata Hazra, "Characterization of a class A beta-lactamase from *Francisella tularensis* (Ftu-1) belonging to a unique subclass towards understanding AMR", ACS Bio & Med Chem Au, 2023.

Sourya Bhattacharya, Vivek Junghare, Niteesh Kumar Pandey, Debashish Ghosh, HiraK Patra, Saugata Hazra, "An insight into the complete biophysical and biochemical characterization of novel class A beta-lactamase (Bla1) from *Bacillus anthracis*", in International Journal of Biological Macromolecules, Elsevier, 2020

Sourya Bhattacharya, Vivek Junghare, Niteesh Kumar Pandey, Subhecchha Baidya, Harsha Agarwal, Neeladrisingha Das, Ayan Banerjee, Debashish Ghosh, Partha Roy, HiraK Patra, Saugata Hazra, "Variations in the SDN Loop of Class A Beta- Lactamases: A Study of the Molecular Mechanism of BlaC (*Mycobacterium tuberculosis*) to Alter the Stability and Catalytic Activity Towards Antibiotic Resistance of MBIs", in Frontiers in microbiology, Frontiers Media SA, 2021

Niteesh Kumar Pandey, Manish Paul, Ayan Banerjee, Gireesh Kumar Shrotri, Preeti Tomer, Rajesh Kumar Gazara, Hrudayanath Thatoi, Thallada Bhaskar, Saugata Hazra, and Debashish Ghosh. "An insight into omics analysis and metabolic pathway engineering of lignin-degrading enzymes for enhanced lignin valorization," Bioresource Technology, 2023.

## Atti di convegni

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Niteesh





Not applicable

Not applicable

ALTRE INFORMAZIONI

Not applicable

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI** sul sito di Ateneo e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: Roorkee ,India 19 Sept 2024

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19/09/2024