

## NISHA SHARMA, M.Sc.

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### PROFESSIONAL SUMMARY

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Detail-oriented and highly motivated M.Sc. graduate in Biotechnology with a passion for Intellectual Property and a keen interest in patent analysis. Possessing a solid understanding of biotechnological concepts and methodologies, combined with a meticulous approach to research and analysis, I am eager to leverage my academic background to excel in a Patent Analyst role.

Professional Skills and Interests:

- Troubleshooting
- Leadership and teamwork
- Project Management
- Prior art search and patentability search
- Strong Oral and Written Communication Skills
- Indian Patent Law, Filing and Prosecution
- Market Research and Data Analysis
- Interpreting and Presenting Result

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### EDUCATION

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SIKSHA 'O' ANUSANDHAN UNIVERSITY, Bhubaneswar, Odisha 2018-2023

Integrated Master's degree (B.Sc. + M.Sc.) in Biotechnology

- B.Sc. – 91.8%
- M.Sc. – 90.4%

PRABHUJEE ENG. MED. SCHOOL, Bhubaneswar, Odisha 2014-2016

H.SC (12<sup>th</sup>), (67.4%)

PRABHUJEE ENG. MED. SCHOOL, Bhubaneswar, Odisha 2014

S.SC (10<sup>th</sup>), (79.8%)

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## PROFESSIONAL SKILLS DEMONSTRATED

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**DBT-INSTITUTE OF LIFE SCIENCES (DBT-ILS)**  
**PROJECT TRAINEE**

January 2023-July 2023

Topic- "Recombinant Protein Expression of Plasmodium Lipocalin gene and Determining its Sub-Cellular Localization in *Plasmodium berghei*."

- The Lipocalin (PVP5) cDNA generated from total RNA of the parasite, *Plasmodium berghei*, was cloned into pRSETA plasmid.
- Recombinant his-tagged PbPVP5 was over-expressed in E. coli Rosetta2DE3pLysS and purified using Ni<sup>2+</sup>-NTA resin.
- The purified protein was injected into mice for the production of antibody against PVP5 protein and was localized by Immunofluorescence.

**SIKSHA 'O' ANUSANDHAN UNIVERSITY**  
**PROJECT TRAINEE**

June 2022- August 2022

- Isolated Multi-Drug resistant *Acinetobacter baumannii* from the Daya River's water
- Tested it for its resistance to various Antibiotics, including Amoxiclav, Piperacillin/Tazobactam, Piperacillin, Tetracycline, Chloramphenicol, and Ciprofloxacin, using Kirby-Bauer disk diffusion method.

**SIKSHA 'O' ANUSANDHAN UNIVERSITY**  
**PROJECT TRAINEE**

January 2021- March 2021

Topic- "Fungal Biodegradation of Biomedical Waste."

- Isolation of fungi from Biomedical Waste samples.
- Biodegradation analysis of fungal isolates using FTIR and determination of potential polypropylene degrading fungi.
- Molecular characterization of the potential fungal isolate.

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## OTHER RELEVANT INFORMATION

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Languages: Hindi, English, Odia, Haryanvi

Computer Skills: Microsoft Softwares like Word, PowerPoint, Excel