

Research Trainee | Biocon

• Studied and researched pharmaceutical processes such as enzymatic reactions for insulin analogs, crystallisation and precipitation analysis of reactions using chromatographic techniques and HPLC.

PROFESSIONAL EXPERIENCE

Senior Patent Analyst | Kommit Techno-Legal LLP

• Manages deadlines, deliverables and filings for various patent prosecution matters at Kommit.

Shreya is an experienced Biotechnology PhD. graduate who is currently working at

She has a strong background in biotechnology, biosynthesis, microbiology and

Kommit as a Senior Patent Analyst, handling patent prosecution matters at Kommit.

- Regularly deals with clients and the patent office for developments in the prosecution matters.
- Conducts Freedom-to-Operate searches and prior art analyses on patent filing and enforcement projects.

Patent Associate | IPNeeti

bioinformatics.

• Managed patent prosecution matters, conducting patentability searches, infringement analyses, filing responses and documents before the patent office and attended hearings.

Research Scholar | Birla Institute of Technology, Mesra

• Studied and researched different technologies relating to biosynthesis and bioengineering.

2024 - Present

2017-2017

2018-2022

2022-2023

SENIOR PATENT ANALYST | PH.D. **DR. SHREYA** ANAND



EDUCATION

Doctor of Philosophy, PhD | Birla Institute of Technology, Mesra

Bioengineering

Master of Technology (M.Tech) | Birla Institute of Technology, Mesra Biotechnology

Bachelor of Technology (B.Tech) | Amity University, Lucknow Biotechnology

PUBLICATIONS

- 1. Anand, S., Mukherjee, K. & Padmanabhan, P. | "Pollution to Product—a Novel Two-Stage Single-Pot Fermentative Production of 1,3-Propanediol" Bioenerg. Res. (2023). https://doi.org/10.1007/s12155-023-10570-1
- 2. Anand et al. | "ANN based process optimization for the growth kinetic study of Nostoc ellipsosporum NCIM 2786." IFAC-PapersOnLine 55.1 (2022): 423-428.
- **3.** Anand et al. | "Insight into fermentable sugar recovery process from sugarcane bagasse: in silico elucidation of enzymatichydrolysis and techno-economic assessment." Journal of Taibah University for Science 16.1 (2022): 204-213.
- 4. Anand, et al. | "An insight to flux-balance analysis for biochemical networks." Biotechnology and Genetic Engineering Reviews 36.1 (2020): 32-55.
- 5. Anand et al. | "Morphological analysis of Spirulina sp. NCIM 5143 and Nostoc ellipsosporum NCIM 2786 and comparative characterization of associated enzymes through in silico approach." Biologia 75.10 (2020): 1553-1561.
- 6. Anand et al. | "Insight into the kinetically and thermodynamically controlled biosynthesis of silver nanoparticles." IET nanobiotechnology 14.9 (2020): 864-869.
- Anand et al. | "Computational Study and Characterization of Green Synthesis of Silver Nanoparticles." International Journal of Basic and Applied Biology 3.4 (2016): 242-246.

SKILLS

Technical

Fermentation, Homology Modelling, Molecular Docking, Fermenter technology, HPLC, COPASI, SuperPro.

Intellectual Property

Patent eFiling (India), InPASS, WIPO ePCT