From
Dr. Asha Bharti
Flat No. 203, Block C1A, Samridhi Apartment
Dwarka Sector 18B, New Delhi, 110078, India

To
M/s. L.S. Davar and Co.
1/2 Block F, Phase 1, Okhla Industrial Area, New Delhi – 110020

Sub: Application regarding job position for Patent Agent/Associate in field of Life Science/Biotechnology

Dear Madam/Sir,

I am writing to apply for a suitable position of Patent Agent/Associate in your organisation. My educational qualification is doctorate in Microbiology with applied research lined with plant sciences, from Indian Agricultural Research Institute, New Delhi, India.

Currently, I am undergoing one year training program (started from December 20, 2022) in PFC-TIFAC (New Delhi) as WOSC intern (batch 12) under WISE-KIRAN IPR scheme of DST, GOI, India. I have gained hand on experience in analyzing patent data, landscaping and patentability searches of various inventions. Besides, I have cleared Patent Agent examination 2020 (2022) for registration as a Patent Agent. Currently, I am looking towards a suitable career in handling IPR matters and related technological advances in the areas of life sciences/ biotechnology, and would be keen to learn more towards patent filing, drafting and prosecution process.

My academic profile and current experience can make me a valuable addition to your team and the whole organisation. Please find attached my resume below for your review.

Thankyou for your time and consideration. Looking forward to hearing back from you soon.

With regards

Dr. Asha Bharti
New Delhi, India
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Mob.: 8882895598
Date: November 09, 2022

Curriculum Vitae

Current designation

Trainee as Women Scientist C, Patent facilitating Centre–TIFAC, New Delhi, India

DR. ASHA BHARTI

Highly versatile and motivated professional seeking to work in science driven ventures. Critical thinking ability with passion for writing and developing scientific content. Team-work spirit, managerial skills with strict adherence to organizational goals. Project management from concept to completion. Adaptable in new environment and thrives in multiple tasks. Resourceful, innovative and excellent work ethics.

Date of Birth: December 22, 1990

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EDUCATION

Matriculation
Central Board of Senior Secondary Education (2005-2006)
Convent of Gagan Bharati Public School, New Delhi, India
Aggregate – 88 %

Intermediate
Central Board of Senior Secondary Education (2007-2008)
Convent of Gagan Bharati Public School, New Delhi, India
Aggregate – 76 %

Graduation
BSc. Microbiology (2008-2011)
Bhaskaracharya College of Applied Sciences, New Delhi, India
Aggregate – 65 %

Post Graduation
MSc. Microbiology (2011-2013)
Department of Microbiology, South Campus, New Delhi, India
Aggregate – 62 %

Doctorate
Ph.D Microbiology (2015-2020)
Division of Microbiology, Indian Agricultural Research Institute,

	New Delhi, India Other Qualification: **Qualified as Patent Agent 2022** (registration under process) CSIR-UGC NET/JRF (2016) ICAR-NET (2018) ICAR-IARI JRF for Ph.D program (2015)
SKILLS	*IPR skills* • Patent landscaping • Patent Analysis • Analytical report writing • Basic understanding of various IPRs • Extensive knowledge of Indian Patent Law/Rules • Basics of International IP filing (PCT) • Hands on Patent search databases (InPASS, PATENTSCOPE, USPTO, Espacenet, Google patents) • NPL literature search- Google, Google Scholar, Pubmed, TKDL, Youtube • Attended workshop on patent drafting and interpretation (April 2022) • Presented inventions for IP filing during committee meeting *Microbiological/Biotechnological Skills* • Technical expertise in Microbiology and its applied research • Basic understanding of various domains of life sciences (Biotechnology, Biochemistry, Plant biology, Cell Biology, Immunology, Agriculture, Molecular biology and Biotechnology, Environmental sciences etc.) • Molecular biology work - Nucleic acid/plasmid extraction, PCR- Real time/Quantitative, restriction digestion, gel electrophoresis, SDS/Native PAGE, western blotting, replica plating, DNA transformation, cloning, RFLP, RAPD *Data analytical skills* • Descriptive Statistics, ANOVA, Correlation analysis, Principal Component Analysis • Statistical tools (XLStat, Sigma plot, WASP 2.0), • Bioinformatics - NCBI (BLAST), MGRAST (metagenomics), PDB database *Language skills* Expertise in writing and speaking- Hindi and English

	Miscellaneous skills • Expertise in MS office tools, PDF annotation • Internet search tools and data collection • Fluent in scientific/technical writing
RESEARCH EXPERIENCE	Ph.D thesis Project: "Cyanobacterial formulations as biofertilizers and quality-enhancing options for Chrysanthemum" under guidance of Dr. Radha Prasanna • Development of cyanobacterial formulations and evaluation of their biochemical characteristics (2016- 2017) • Systematic investigations on performance of promising cyanobacterial formulations in improving the growth of selected varieties of Chrysanthemum (2017 to 2019) • Evaluation of cyanobacterial formulations for their influence on floral attributes and productivity of selected varieties of Chrysanthemum (2018 to 2019) Master's thesis Project: "Purification and Characterization of keratinases from *Amycolatopsis* sp." under guidance of Dr. Rani Gupta Under this program a potential keratinase degrader was screened, and subsequently purification and biochemical characterization of keratinase along with their further application for In vitro digestibility of feather meal and decontamination of Sup35NM, a yeast surrogate prion protein, was undertaken.
PUBLICATIONS	***Research Articles*** • **Bharti A**, Prasanna R, Kumar G, Nain L, Rana A, Ramakrishnan B, Shivay YS (2021) Cyanobacterial amendment boosts plant growth and flower quality in Chrysanthemum through improved nutrient availability. Applied Soil Ecology. https://doi.org/10.1016/j.apsoil.2021.103899 • **Bharti A**, Prasanna R, Kumar G, Nain L, Rana A, Ramakrishnan B, Shivay YS (2021) Cyanobacterium primed Chrysanthemum nursery improves performance of the plant and soil quality. Biology and Fertility of Soils 57: 89–105. • **Bharti A**, Prasanna R, Kumar G, Kumar A, Nain L (2019) Co-cultivation of cyanobacteria for raising nursery of Chrysanthemum using a hydroponic system. Journal of Applied Phycology 31: 3625–3635. • **Bharti A**, Prasanna R, Velmourougane K, Nain L (2020)

Development and characterization of cyanobacterium-amended mixes as nutrient-rich potting media. Waste and Biomass Valorization 11: 6003–6016.

- **Bharti A**, Velmourougane K, Prasanna R (2017) Phototrophic biofilms: diversity, ecology and applications. Journal of Applied Phycology 9: 2729–2744.
- **Bharti A**, Prasanna R, Raju DVS, Chawla G, Shivay YS, Nain L (2020) Cyanobacterium–amended mixes as priming options for stimulating growth and improving nutrient availability in nursery-grown Chrysanthemum plants. Acta Physiologiae Plantarum 43(7), pp.1-16
- Thapa S, Prasanna R, Ramakrishnan B, Mahawar H, **Bharti A**, Kumar A, Velmourougane K, Kumar A (2020) Microbial inoculation elicited changes in phyllosphere microbial communities and host immunity suppress *Magnaporthe oryzae* in a susceptible rice cultivar. *Physiological and Molecular Plant Pathology* 114: 101625. DOI: 10.1016/j.pmpp.2021.101625.
- Gulia U, Shukla J, Nishanth S, Kokila V, **Bharti A**, Singh AK, Shivay YS (2020) Fortifying nursery soil-less media with cyanobacteria for enhancing the growth of tomato. *South African Journal of Botany* 146, pp.564-572

Book Chapters

- Nishanth S, **Bharti A**, Gupta H, Gupta K, Gulia U, Prasanna R (2020) Cyanobacterial extracellular polymeric substances (EPS): Biosynthesis and their potential applications. In: Microbial and Natural Macromolecules (Eds: S Das, HR Dash), Chapter 14, pp. 349-369. Elsevier.
- Thapa S, **Bharti A**, Prasanna R (2017) Algal Biofilms and their Biotechnological significance. In: Algal Green Chemistry: Recent progress in Biotechnology (Eds: RP Rastogi, D Madamwar, A Pandey), Biotechnology series, Chapter 14, pp. 285-303. Elsevier

REFERENCES

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Dr. Radha Prasanna

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