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Profile Summary

I am graduate in Microbiology (Delhi University) and Post-graduate in Biotechnology (MDU, Rohtak). I have done my doctoral studies in Molecular genetics of asthma and role of Immunoglobulin IgE in asthma and allergy from Delhi University. My work experience is mainly in Indian Patent Prosecution, Research and Development in Biology, Medical Writing and Bioinformatics.

- **Completed LLB- 3 Year Course (CCS University), 2017-2020**
- **Qualified Patent Agent Examination, 2018**
- Patent associate trained under KIRAN-IPR Scheme under TIFAC, Department of Science and Technology.

Professional Qualification

- Working is in-house Counsel with VV Biotech, since October 2020 till date.
- Worked as Senior Patent Associate with Rajeshwari and Associates since April 2017-October, 2020.
- Trained/ worked as KIRAN-IPR women scientist- a professional training for IPR- Patents with Rajeshwari and Associates from March 2016-March 2017.
- Worked as “Research Analyst” with Jalaja technologies Pvt.Ltd. From 2-11- 2007- February 2009.
- Worked as “Assistant Content Manager” with Indegene Life Sciences, Bangalore in the field of Medical Writing from 24-04-06 to 31-10-2007.

Current Job profile

- Patent Drafting and prosecution
- Patent filing

- Coordinating with foreign associates for filing of convention/ PCT application
- Working with the R&D team for inputs and guiding the team for generating the necessary data for patent application filing.

Job profile at Rajeshwari Associate

- Patents drafting and prosecution as Patent Associate- Biotechnology
- Working towards the organization goal as a team member and handling a team of Paralegals and Patent associates.

Patent Drafting

- Drafting of claims and patent specification(s) in the field of Biotechnology, Microbiology, Immunology, Antibody technology, Fermentation technology, Bio-engineering processes and additionally other fields.

Patent Analytics

- Searches in Patent databases such as USPTO, EPO, IPO, WIPO.
- Searches in non-patent databases such as Pubmed, NCBI, Google Patents.
- Biotechnology searches -BLAST.
- Opinion drafting for clients on patent and prosecution strategy (India) including FTO and Landscape analysis.

Patent Prosecution

- Attending Hearing issued by the IPO.
- Post-hearing submissions
- Preparing responses to First examination report for Indian Jurisdiction and to Office Action for US patent office, European patent office, Chinese and Japanese patent office.
- Handling Client queries on regular basis regarding Indian patent prosecution.

Opposition

- Preparing Opposition /revocation
- Preparation for hearing/filing of documents/ affidavits etc.

Job profile as Bioinformatics team lead with Jalaja Technologies

- Client presentation of Geno-Cluster Bioinformatics product –prediction tool for identifying lead molecules/ drug targets developed by NMITLI and CSIR-IGIB.

- Worked on eukaryotic gene prediction tool as Bio-Team lead.
- Worked with a team of Bio-informatician/ Biotechnologist, giving technical inputs for developing prediction tools.

Job profile as “Assistant Content Manager” with Indegene Lifesciences

- Preparing content for Sales Training Force of Pharmaceuticals, Medico information and Patient education as E-Content and Print medium.
- Worked on molecules– Enbrel (Etanercept), Kineret (Anakinra), Taxol (Paclitaxel), Tysabri (Monoclonal antibody) and Coumadin (Warfarin).
- Worked on areas such as Cardiovascular disease, Cancer, Multiple sclerosis, Diabetes, Hematology, Ophthalmology- Macular pucker.

Work experience in R&D during Doctoral studies

- Standardized the protocol for estimation of Total IgE, Interleukin-4 in the human sera.
- Specific IgE estimation against pollen allergens/ confirmation by immunoblotting of the allergic IgE against specific pollen.
- Worked on drug potency testing through cell ELISA using HUVEC cell line cultivated by cell culture technique.
- Worked on various molecular biology and biochemical techniques such as Antigen preparation (Skin prick and Intradermal test), ELISA, Western Blotting, 2-Dimensional Electrophoresis, DNA isolation.

Qualifications

- **Completed Ph.D.** on “Studies on serum IgE in respiratory allergy patients in India and Cross-reactivity between pollen of *Holoptelea integrifolia* and *Parietaria judaica*”.

- **M.Sc. BIOTECHNOLOGY**

Completed two years M.Sc. course in Biotechnology from Maharshi Dayanand University.

- **B.Sc. (Hons.) MICROBIOLOGY**

Completed three years B.Sc. (Hons.) course in Microbiology from SSN College, Delhi University.

Personal Information

- Languages Known: Hindi (Mother Tongue); English; Bengali
- Married

Publications:

1. **Sharma S**, Kathuria PC, Gupta CK, Nordling K, Ghosh B, Singh AB. Total serum immunoglobulin E levels in a case-control study in asthmatic/allergic patients, their family members, and healthy subjects from India. ClinExp Allergy. 2006 Aug;36(8):1019-27.
2. **Sharma S**, Panzani RC, Gaur S N, Ariano R, and Singh A B. Evaluation of cross reactivity between *Holoptelea integrifolia* and *Parietaria judaica*. Int Arch Allergy Immunol. 2005 Jan 12;136(2):103-112.
3. Nagarkatti R, Rao C B, Rishi J P, Chetiwal R, Shandilya V, Vijayan V, Kumar R, Remole H K, Sharma S K, **Sharma S**, Singh A B, Gangal S V & Ghosh B. Association of Interferon Gamma Gene Polymorphism with Asthma in Indian Population. J Allergy ClinImmunol. 2002 Sep;110(3):410-2.

I hereby affirm that the information furnished above is true to the best of my knowledge and belief.

Place: Delhi

Sweety Sharma