

DILSHER SINGH

Research Associate

Versatile and self-starter individual with good data analysis, deduction and articulation abilities, having over 3 years of experience in patent research encompassing projects related to molecular biology, immunology, pharmaceuticals and chemistry. Demonstrated ability in achieving tight deadlines and outputting quality work.

Expertise

Freedom to operate analysis and preparing technical opinions/claim charts
Patent invalidation/validation searches
Infringement analysis and claim chart mapping
Novelty searches

Skills & Experience

Evalueserve SEZ, Gurgaon — Research Associate

August 2018 – Present

Responsibilities

Conducting competitive intelligence studies involving patent and market research to help clients know purview of patent portfolios
Conducting competitive benchmarking studies using patent and business research to help clients decide new business avenues
Conducting landscape and whitespace analysis to help clients picture current technology innovation scenario and pointing out markets sans competition
Keeping track of patent portfolios and conducting patent watches for reporting latest innovations to clients

Domain wise Exposure

FMCG (including eatables, food additives, food/feed and industrial enzymes, food and industrial microbial cultures)
Industrial biotechnology (including downstream processing, fermentation technology, upstream processing)
Pharmaceuticals (including capsule manufacturing, additive manufacturing, therapeutic small molecules)
Cosmetics (including cosmetic compositions and products)
Biotechnology (including immunoassays, recombinant DNA technology, microfluidics, imaging techniques)

TT Consultants, Mohali — Patent Research Analyst

January 2016 – July 2018

Responsibilities

Helping clients identify suitable jurisdictions for product manufacturing & sale through freedom to operate studies

Helping clients identify enforced patent rights, before launching a new product or entering a new market segment to avoid future infringements

Conducting due diligence (including freedom to operate, patent scope evaluation, reassignment search, legal status extraction) details before buying or licensing patent rights

Conducting product research to find products and parties infringing upon client's intellectual property rights (including patents and trademarks)

Providing assistance in patent procurement and maintenance, primarily by performing novelty analysis, providing written opinions for circumventing rejections by patent authorities and writing patent drafts for filing with patent authorities

As a member of training committee, preparing training material, conducting training sessions and tests for new joiners

Preparing approach papers and project proposals for the client engagement

Domain wise Exposure

Polymer chemistry (including polymeric compositions, polymer extrusion technology)

Oil & gas (including offshore mining equipment, techniques and compositions, pipe laying equipment, pipe manufacturing technologies)

Plant biotechnology

Industrial chemistry (chemical entity synthesis, processing apparatus, pulp & paper industry, inks & varnishes)

Pharmaceutics (including small molecules, synthesis reactions & parameters)

Biomedical (including oximeters and oximetry techniques, atherectomy devices, knee surgery devices, cardiac assistance devices – stents and vads)

Mechanical (including foundation brakes, gas turbine engines, additive manufacturing, autonomous vehicles and platoons, hvac)

Electronics (including maps, location based services, ai & machine learning, client systems)

Other Skills

Interpersonal Skills

Ability to work in a team & sure-handedly taking and following instructions

Able to effectively lead and guide a team to perform tasks in a well-structured manner

Able to communicate ideas, needs, beliefs and opinions freely

Patient personality and ability to maintain aplomb in challenging situations

IT Skills

Familiar with regional patent databases including Indian, Chinese, Japanese, Taiwanese, Korean, Thai and German

Experience with commercial patent databases including Derwent Innovation, Questel Orbit, Lexis Nexis, PatBase and GPI

Familiar with FDA, EMA, EFSA, USDA, CIR, clinicaltrials.gov

Experience with MS Word, MS Excel, MS Powerpoint

Chemical structure search in STN express for querying in STN databases

Ability to work with several operating systems including GNU/Linux, Windows and Mac OSX

Intermediate level knowledge of Linux CLI

Education

Sr. No.	Institute	Stream	Tenure	Marks
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1.	UIET, Panjab University, Chandigarh	B.E. Biotechnology Engineering	2012 - 2016	Passed with CGPA of 8.44 With Honours
2.	Dr. DRB, DAV CPS, Batala	CBSE 12 th Non-Medical	2011 - 2012	Passed with 88.6%
3.	Dr. DRB, DAV CPS, Batala	CBSE 10 th	2009 - 2010	Passed with CGPA of 9.8

Student Summer Internships

1) In-Silico Drug Designing - IBI Biosolutions Pvt. Ltd., IT Park, Chandigarh

Project Based Intensive Industrial Training Programme involved working on the In-Silico Drug Designing and Docking Analysis against Potential Target of Taiwan Acute Respiratory Syndrome. Target Identification and Drug Design against Human Pathogen *Chlamydomphila pneumoniae*.

2) Food Microbiology: R&D and manufacturing probiotic food products - Orbit Biotech Pvt. Ltd., Mohali, Punjab

Industrial training program related to partial characterization using biochemical analysis, Thermal death point and Thermal death time analysis and determination of various probiotic attributes (like bile and pH tolerance, hydrophobicity index, antimicrobial activity against intestinal *E. coli*) of *Lactobacillus casei* Shirota, *L. plantarum* and *L. reutri*.

Awards

Employee of the quarter - January to March, 2017

Best working model for Bio-remediation of agricultural soils using biosorption - Bio-cAMP, Panjab University, 2014

Hobby

Reading