



# Dr. KAVITA BANSAL

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[Bold Profile](#)

## SUMMARY

Registered patent agent of India (IN/PA-3646, 27/06/2019) and Advocate (PH/2306/2024), with vast experience in IPR, PCT, research, technology inception, Technology transfer, effective and efficient operations. Displays outstanding knowledge and practical expertise in IPR to provide exceptional all-round service. Drafted and filled 70 (approx.) Patent application and all the cases granted after FER/hearing.

## SKILLS

- Ability to understand and figuring the inventiveness and utility of work
- Expert knowledge in the fields of nanotechnology, nanomedicines, Pharmaceuticals, Biosensing, Chemistry, Biotechnology
- Computer efficiency
- Good communication skills
- Spiritual and self motivation to learn new and challenging things

## EXPERIENCE

June 2019 - Current

**Patent Agent (Founder member) Shodh Raksha - Mohali** | Mohali, India

- Provided consultancy and technology inception for intellectual property rights, including patentability search, drafting, filling, and prosecution.

October 2013 - August 2018

**Research scholar Panjab University - Chandigarh** | Chandigarh, India

- Research scholar in Panjab University, Chandigarh

August 2011 - May 2012

**Assistant Professor of M.Tech (Nanoscience and Technology)**

**Kurukshetra University - Haryana, India** | Haryana, India

July 2010 - July 2011

**Lecturer Lord Shiva College of pharmacy - Sirsa, Haryana** | Sirsa, Haryana

- Teaching in Lord Shiva College of pharmacy

June 2009 - July 2010

**Research trainee National Physical Laboratory - New Delhi** | New Delhi, India

- Research trainee in National Physical Laboratory, CSIR, New Delhi

July 2007 - June 2008

**Lecturer Lord Shiva College of pharmacy - Sirsa, Haryana** | Sirsa, Haryana

- Teaching in Lord Shiva College of pharmacy

**Research associate PGIER - Chandigarh** | Chandigarh, India

- Research associate in PGIER, Chandigarh

## EDUCATION

December 2023

**LLB**

Kurukshetra University - Haryana, India

GPA: 70%

December 2018

**Ph.D**

Panjab University - Chandigarh, India

Thesis Title: A Novel Approach for Site Specific Delivery of

Chemotherapeutic Drug Using Peptide-Functionalized Metallic

Nanoconstructs

December 2010

**Masters in Technology** | Nanoscience and Nanotechnology  
Guru Jambheshwar University - Hissar, Haryana, India  
GPA: 8.97/10 (Gold Medalist)

December 2010

**Master of Business Administration** | Human Resource Management  
Punjab Technical University - Jallander, India  
GPA: 71%

December 2007

**Bachelor in Pharmacy**  
Lord Shiva College of Pharmacy - Sirsa, Haryana, India  
GPA: 71%

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## CERTIFICATIONS

- World Intellectual Property Organization (WIPO) certified course on “General Course on Intellectual Property”
- WIPO certified course on “The Patent Cooperation Treaty (PCT)”
- WIPO certified course on “Patent search”
- WIPO certified course on “Basics of patent drafting”

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## RESEARCH

- Research associate, PGIER, Chandigarh, Chandigarh, India, 20/07/2019, 30/04/2021
- Research scholar, Panjab University, Chandigarh, Chandigarh, India, 10/2013, 08/2018
- Research trainee, National Physical Laboratory, CSIR, New Delhi, New Delhi, India, 06/2009, 07/2010
- Summer Training, Jagsonpal Pharmaceuticals, Faridabad, Faridabad, India

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## AWARDS

- The SNMMI 2020 International Best Abstract Award for India
- WOS-C fellowship, TIFAC, New Delhi, 2018-2019
- Panjab university PhD fellowship for First rank holder in PhD entrance exam. (2013-2016)
- Merit certificate from Guru Jambheshwar University of Science & technology, Hissar (2010)
- Merit certificate and gold medal for the outstanding services on the recommendation of the college N.S.S Committee
- Commendation certificate by the district administration, Sirsa for performance in cultural programme

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## REFERENCE PATENTS

202111004175: A VACUUM SYSTEM AND METHOD THEREOF  
202111028971: Topical Etodolac Vesicular Composition For Pain Associated Inflammatory Disease And Disorders

202111000313: MOLECULAR IMAGING COMPLEX FOR POSITRON EMISSION TOMOGRAPHY  
202041034562: Artificial Intraocular Lens Supporting Device For Aphakic Patient Treatment  
202211001598: ECO-FRIENDLY METHOD AND DEVICE FOR ONSITE GENERATION OF HYDROGEN FUEL

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## INTERNATIONAL PUBLICATIONS

- A novel approach for site specific delivery of anticancer drug using peptide functionalized metallic nanoconstruct, Journal of Nuclear Medicine, May 2020, 61, supplement 1, 95, 7.887
- Protein transduction domain functionalized gold nanoparticles for effective delivery of potent cytotoxic agent in cancer cells, Journal of Molecular Liquids, 15 April 2021, 328, 115385, 5.065
- A Facile Approach for Synthesis and Intracellular Delivery of Size Tunable Cationic Peptide Functionalized Gold Nanohybrids in Cancer Cells, ACS-Bioconjugate Chemistry, 2018, 29, 1102-1110, 4.8, True
- Synthesis, characterization, mechanistic studies and antimicrobial efficacy of biomolecule capped and pH modulated silver nanoparticles, Journal of Molecular Liquids, 2018, 249, 1145-50, 3.648
- Ultrasensitive Aptamer Biosensor for Malathion Detection based on Cationic Polymer and Gold nanoparticles, Biosensors and Bioelectronics, 2016, 85, 445, 7.780
- Detection of Organophosphorus Pesticide – Malathion in Environmental Samples Using Peptide and Aptamer Based Nanoprobes, Chemical Engineering Journal, 2017, 311, 111-16, 6.216
- Development of a Colloidal Gold based Nanobioprobe for the detection of Glycated Albumin, BioNanoScience, May 2016, 1-7, 0.27
- Freeze-dried microspheres for selective intra-arterial radionuclide therapy: an affordable solution, Nuclear Medicine Communications, 15 May 2020, 41, 8, 817-823, 1.33
- IN202111011492: Cell Penetrating Labeled Multifunctional Nanoparticles as Effective Anti-cancer Agent **Granted**

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## LANGUAGES

- Hindi
- English
- Punjabi: First Language

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## DISCLAIMER

I hereby solemnly affirm that all the information furnished by me is true to best of my knowledge.