**CURRICULUM VITAE**

**Dr. JAYAMANTI PANDIT**

Ph.D (Pharmaceutics)/Registered Patent agent (IP/4392)

An experiences professional with enhanced knowledge and skills of Intellectual Property Right (IPR) with a positive intent to work with an organization of good reputed.

**Skill known**

* Prior art search/ Patentability assessment
* Patent analysis
* Patent landscape report
* Drafting of patent application

# Education Professional

* Conferred **Ph.D. (Pharmaceutics)** degree by Jamia Hamdard University, New Delhi in Nov 2017.
* Qualified for **M. Pharm.** degree in 1st division (75.5%) from Dr. Hari Singh Gour University, Sagar (M.P.) in 2006.
* Qualified for **B. Pharm.** degree in 1st division (70.04%) from Dr. Hari Singh Gour University, Sagar (M.P.) in 2003.

**Education Academic**

* Passed *Senior School Certificate Examination* of CBSE in 1st division (73.0%) in 1998.
* Passed *Secondary School Examination* of CBSE in 1st division (85.5%) in 1996.

### Professional experience (in chronological order)

* Worked as IPR trainee at National Research and Development Corporation (NRDC), New Delhi, under the prestigious Women-Scientist Scholarship Scheme WOS-C (KIRAN IPR) from Aug 2019 to July 2020.
* Worked as Assistant professor at K.R.Mangalam University, Sohna Road, Gurgaon, from Aug 2017 to Oct 2018.
* Worked as Senior Lecturer at Ram-Eesh Institute of Vocational and Technical Education, Greater Noida, Dist- Gautam Budh Nagar, (U.P), from July 2010 to Oct 2010.
* Worked as Lecturer at Technocrate Institute of Technology, Anand Nagar, Bhopal, (M.P), from April 2006 to April 2010.

**Job description**

**IPR Trainee**

* Evaluated applications for patent assistance by NRDC (45 applications)
* Performed prior art search or patentability assessment using paid /non-paid data bases (45 application)
* Involved in the assessment of application received for annual innovation awards of NRDC under the category of Budding/ Societal/Start up etc (35-40 application).
* Skilled in searching and patent analysis in the area of pharmaceutical formulation.
* Completed patent landscape reports on PPE and herbal drug delivery system for breast cancer

**Teaching**

**Class Teaching:** D.Pharm, B.Pharm. M.Pharm (Pharmaceutics)

* Undergraduate theory and practical classes in; Health education and community pharmacy, General Pharmacy, Physical Pharmacy, Pharmaceutical technology, Biopharmaceutics and P’kinetics, and Pharmaceutical engineering.
* Postgraduate theory and practical in; Product development formulation, and Novel drug delivery systems (NDDS).
* Theory and Practical evaluations
* Guidance to students at under graduate level project.

**Honours/achievements/awards/ reviewer**

* Awarded research fellowship as **Research Associate** **(ICMR**) in 2020.
* Awardees of prestigious “**Women-Scientist Scholarship Scheme WOS-C (KIRAN IPR)** in Intellectual Property Rights granted by Patent Facilitating Centre, Technology Information Forecasting Assessment Council (TIFAC), Department of Science and Technology, Govt. of India.
* **CSIR-SRF** for PhD at Jamia Hamdard, Delhi for the period 1st April 2013- 31st March 2017.
* **Junior Research Fellowship (UGC)** for Post-Graduation at Dr. H. S. Gour University, Sagar, for the period 2003-2005.
* **Awarded certificate of appreciation by Jamia Hamdard for high impact factor publications in the year 2018**
* Won consolation prize for poster presentation in **National Seminar on Biotechnology in health care: challenges and opportunities** on February 15th & 16th, 2017.
* Invited to Review manuscript from **Drug Delivery, International Journal of Biological macromolecule, British Journal of Pharmaceutics Research, Journal of Drug Targeting,** [**Ophthalmology Research: An International Journal**](http://sciencedomain.org/journal/23)**, Advance in Polymer Technology** and **Pharmaceutical Nanotechnology.** I am also associated with **Journal of Pharmacy and Bioallied Sciences** as reviewer.

**Online course/ workshop/ certificate programme**

* Successfully completed the distance learning **GENERAL COURSE ON INTELLECTUAL PROPERTY (DL101)** from October 31 to December 14, 2019 by WIPO ACADEMY
* Participated in Webinar Workshop on “Patent Drafting" **Conducted by Patent Information Centre & TISC Department of Science & Technology, GoR** from 1stto 6thMay, 2020
* Participated in Webinar Workshop on “Indian Patents Act" **Conducted by Patent Information Centre & TISC Department of Science & Technology, GoR** from 29thMay –3rdJune, 2020.
* Participated in the AISNP Webinar Lecture Series on the topic of “**Overview of the IP Landscape**” delivered by **Mr. John Cabeca**, United States Intellectual Property Attaché for South Asia, American Center 24, Kasturba Gandhi Marg, New Delhi, held on **20 May, 2020**.
* Attended the session on **“Patent Prosecution Challenges and Strategies in India”** conducted by The Frontiers Legal and Turnip Innovations on **25 July, 2020**
* Completed the **Online Certificate Course** in **Patent Searching for Beginners**, jointly organized by IP Moment and Department of Environmental Science and Department of Biotechnology of SRKI college.
* Attended the Online International Conference on **Research Innovation, IPR & MSME Opportunities in Pharmaceutical Sciences**, organized by IIMT College of Pharmacy, Greater Noida on **March 5, 2021.**
* Completed Online Elementary **FDP** on "**Technological advancement and manufacturing of Biosimilars for Cancer therapy: Present hurdles and Future prospects**" from **2021-06-21 to 2021-06-25** by National Institute of Pharmaceutical Education and Research, Hajipur organized by AICTE Training and Learning (ATAL) Academy.
* Attended the Online International Seminar Organized by ISF College of Pharmacy, Moga in collaboration with JoVE, Cambridge USA entitled “**Advancements in Pharmaceutical Education and Research: Current Insight into Molecular Biology Techniques**” on **22nd October, 2021**.

**Seminar/symposium/workshop attended**

* 56th Indian Pharmaceutical Congress”, Kolkata, India, 2004.
* “National Seminar on Controlled & Targeted Drug Delivery: Nanotechnology”, Sagar, India, 2007.
* National Seminar on “Current Challenges in Clinical Research and New Drug Development”

 conducted by IPS Academy, Indore, M.P., India, July 2008.

* National Seminar on “Emerging Approaches in Phytotherapy and Cancer Research” held at

 Technocrats Institute of Technology, Bhopal, M.P., India, April, 2009.

* WinterSchool on Emerging Areas in Pharmaceutical Sciences, organised by UGC Centre

 of advance study, Panjab University, Chandigarh held on 11 to 16 Jan, 2010.

* 65th Indian Pharmaceutical Congress”, Delhi NCR, India, 2013.
* Participated in Sodhganga: A Repositroy of Indian Theses and Dissertation, Jamia Hamdard,

 New Delhi, 5 Dec, 2013.

* Attended awareness seminar on “ Intellectual Property Rights (IPR) & Regulatory Affairs”,

 Jamia Hamdard, New Delhi, Nov, 2015.

* National conference on “Reassessing the Basic Elements of Quality Assurance for

 Pharmaceutical Performance using ICH Q10 Guidelines ” held at Jamia Hamdard, New

 Delhi, 18 March, 2016.

* National conference on “ PAT and QbD – The Enablers of Pharmaceutical Quality ” held at

 Jamia Hamdard, New Delhi, 17March, 2016.

* 5th International Conference on “IPR: Technology Financing and Intellectual Property Rights” held at Le Meridian Hotel (Soverign I), New Delhi on 03-04 December 2019
* Attended an advanced workshop on “ Intellectual property rights in defence & aerospace R&D” held at NASC Complex, Pusa Campus, New Delhi on 05-06 December, 2019
* 12th Global Intellectual Property Convention organized by Global Intellectual Property Convention (GIPC) at New Delhi on January 8-10, 2020

## Oral/ poster presentations

* Presented poster in 13th APTI Convocation-2008, organized by SLT Institute of Pharmaceutical Sciences, Guru Ghasidas University, Bilaspur, Chhattisgarh (India).
* Oral Presentation on the topic “PLGAnanoparticles for an extended delivery of bevacizumab to retina: formulation, optimization and in vitro characterization” in the **National Conference on Nanotechnology and Renewable Energy-2014** held in April 28-29, 2014 , Organized By Department of Applied Sciences and Humanities, Jamia Millia Islamia, New Delhi -110025 (India).
* Presented poster on the topic “Bevacizumab loaded chitosan coated PLGA nanoparticles as novel drug delivery system for the treatment of Diabetic Retinopathy” in UGC-SAP (DRS-I) Sponsored **National Seminar on Biotechnology in health care: challenges and opportunities** on February 15th & 16th, 2017.

**Membership of the professional bodies**

* Life Member, Association of the Pharmaceutical Teachers of India (APTI).

## Publications

1. Babu Ram Garg, Arun Kumar, Minakshi Garg, **Jayamanti Pandit** and Narendra K. Jain, Double liposome mediated dual therapy forAIDS related opportunistic fungal infection and AIDS, **International journal of pharmaceutical sciences and research**, vol. 2(3), 2011, 620-636.**(IF 0.250)**
2. **Jayamanti Pandit** and Yasmin Sultana. Vascular damage of retina in diabetic retinopathy and its treatment. **Exper Rev. of Ophthalmol**., 2012, 7(1); 73-86.
3. Shefali Katiyar, **Jayamanti Pandit**, Rabi Sankar Mondal, Anil K. Mishra, Krishna Chuttani,Mohd. Aqil, Asgar Ali, Yasmin sultana. In situ gelling dorzolamide loaded chitosan nanoparticles for thetreatment of glaucoma. **Carbohydrate Polymers**. 2014,102, 117– 124. **(IF 9.381)**
4. **Jayamanti Pandit**, MinakshiGarg, Narendra Kumar Jain. Miconazole nitrate bearing ultraflexible liposomes for the treatment of fungal infection**. J Liposome Res**,2014,24(2),163-169(DOI: 10.3109/08982104.2013.871025) **(IF 2.455)**

# Jayamanti Pandit, Yasmin Sultana, Mohd. Aqil, PLGA nanoparticles for an extended delivery of bevacizumab to retina: formulation and in vitro characterization. Advanced Science Letters, 2014, 20(7-9), pp. 1588-1593(6).

# Jayamanti Pandit, Yasmin Sultana, Mohd Abul Kalam, Newer technologies in oral vaccine delivery. Current Drug Therapy, 9, 2014,173-187.

1. [Mohammed Ashif Khan,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Khan%2C+M+A%29)[**Jayamanti Pandit**,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Pandit%2C+J%29)[Yasmin Sultana,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Sultana%2C+Y%29)[Sarwat Sultana,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Sultana%2C+S%29)[Asgar Ali,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Ali%2C+A%29)[Mohammed Aqil, and](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Aqil%2C+M%29)[Meenakshi Chauhan,](http://informahealthcare.com/action/doSearch?action=runSearch&type=advanced&result=true&prevSearch=%2Bauthorsfield%3A%28Chauhan%2C+M%29)Novel carbopol-based transfersomal gel of 5-fluorouracil for skin cancer treatment: *in vitro* characterization and *in vivo* study. **Drug Delivery**,2015;22(6):795-802. (doi:10.3109/10717544.2014.902146) **(IF 4.902)**

# Tausif Alam, Jayamanti Pandit, Divya Vohora, Mohd. Aqil, Asgar Ali, Yasmin Sultana, Optimization of nanostructured lipid carriers of lamotrigine for brain delivery: in vitro characterization and in vivo efficacy in epilepsy.Expert Opinion on Drug Delivery, 2015, 12(2):181-94. (IF 4.838)

1. **Jayamanti Pandit**, Yasmin Sultana & Mohd Aqil, Chitosan-coated PLGA nanoparticles of bevacizumab as novel drug delivery to target retina: optimization,characterization, and in vitro toxicity evaluation, **Artificial Cells, Nanomedicine, and Biotechnology,**2017.1397-1407. DOI: 10.1080/21691401.2016.1243545. **(IF 3.347)**
2. Kawish SM, Ahmed S, Gull A, Aslam M, **Pandit J**, Aqil M, Sultana Y. Development of nabumetone loaded lipid nano-scaffold for the effective oral delivery; optimization, characterization, drug release and pharmacodynamic study. **Journal of Molecular Liquids**. 2017, 514-522**. (IF 5.065)**
3. Imran Ahmad, **Jayamanti Pandit**, Yasmin Sultana, Anil K Mishra, Puja Panwar Hazari, Mohd. Aqil.Optimization by Design of Etoposide Loaded Solid Lipid Nanoparticles for Ocular Delivery: Characterization, Pharmacokinetic and Deposition Study. **Materials Science & Engineering C,** 100, 2019,959-970. **(IF 5.880)**
4. **Pandit, Jayamanti,** Yasmin Sultana, and Mohd Aqil. "Chitosan coated nanoparticles for efficient delivery of bevacizumab in the posterior ocular tissues via subconjunctival administration." **Carbohydrate Polymers,** 267 (2021): 118217. **(IF 9.381)**
5. Solanki, Pavitra, Mohd Danish Ansari, Iram Khan, Rao Nargis Jahan, **Jayamanti Pandit**, Mohd Aqil, Farhan J. Ahmad, and Yasmin Sultana. "Repurposing pentosan polysulfate sodium as hyaluronic acid linked polyion complex nanoparticles for the management of osteoarthritis: A potential approach." **Medical Hypotheses**(2021): 110713. (**IF 1.538**)

**Contributed chapters in books**

* Chapter entitled “Terpenes and Essential Oils as Skin Penetration Enhancers ” in the book “Chemical Methods in Penetration Enhancement: Modification of the Stratum Corneum (Volume 3)”, edited by Dr. Dragicevic and Dr. Maibach, publisher Springer-Verlag, Berlin Heidelberg.ISBN 978-3-662-47039-8 (eBook) DOI 10.1007/978-3-662-47039-8.
* Chapter entitled “Nanoencapsulation Technology to Control Release and Enhance Bioactivity of Essential Oils ” in the book “Encapsulation (Nanotechnology in the Agri-Food Industry) (Volume 2)”, Edited by Alexandru Grumezescu, publisher Academic Press, 2016 UK. ISBN 0128043075, 9780128043073.
* Chapter entitled “Distillation” in the book “Unit Operations in Pharmaceutical Engineering” publisher, CBS, New Delhi, India, 2018.
* Chapter entitled “QbD Considerations for Topical and Transdermal Product Development." In Pharmaceutical Quality by Design, pp. 131-150. Academic Press, 2019.
* Chapter entitled “[Impact and Role of Stability Studies in Parenteral Product Development](https://www.taylorfrancis.com/chapters/edit/10.1201/9781003043164-14/impact-role-stability-studies-parenteral-product-development-mohammed-asadullah-jahangir-syed-sarim-imam-jayamanti-pandit)” In Micro-and Nanotechnologies-Based Product Development, pp. 225-234, CRC Press, 2021
* Chapter entitled "Multifaced Applications of Nanoparticles in Biological Science." In Nanomaterials in the Battle Against Pathogens and Disease Vectors, pp. 17-50. CRC Press.

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**Extra-curricular activities**

* Organized various functions, seminars and cultural activities at the department/college level.
* Secured first position in quiz competition in college during 2003-2004.
* Secured first position in quiz competition and painting competition in University hostel annual day celebration during 2005-2006
* Organised industrial tour and visited Eros Pharma Ltd. (Bangalore), Glaxo Smithkline (Bangalore), Wyeth (Goa), German Remedies (Goa), Alkem (Mumbai) during student life.
* Organised industrial tour as faculty during teaching (Utty, Maisur and Bangalore).

**Personal details**

Date of Birth : 19th June, 1981

Father’s Name : Shri R. B. Pandit

Husband’s Name : Mr. Pawan Kumar

Nationality : Indian

Sex : Female

Marital : Married

Language known : Hindi, English

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**Date: ( Dr. Jayamanti Pandit)**