
Dr. VISHNU VIKESH JAISWAL

Contact Information:	Research & Development Department, Diamond Detection and Research Center Gemmological Institute of India 501/502, Mehta Bhavan, Charni Road Station (E), Mumbai - 400 004, INDIA	Email (s): vvjaiswal14@gmail.com vikesh@student.nitw.ac.in
Date of Birth:	20 th March, 1990	Phone: +91- 9654894259
Gender:	Male	Link: linkedin.com/in/vishnu-vikesh-jaiswal-680181246
Marital Status:	Married	Nationality: Indian

Professional Experience:

Adept at drafting and filing patent applications, with strong technical, scientific and analytical skills. Proficient in conducting patent searches, analyzing prior art, and advising others on patentability matters. Committed to staying current with patent laws and regulations to ensure effective representation and protection of innovations under strict 'IPR' Rules and Regulations.

Education:

Ph.D. (2018-2021)	in Physics, 1 st Division Thesis title: "Studies on multi-color emitting long afterglow phosphors for display, security and biological applications" National Institute of Technology Warangal (NITW), Telangana, India
M. Tech. (2014-2016)	in Nanoscience and Technology., 1 st Division (75.42%) with Distinction , Guru Gobind Singh Indraprastha University, Delhi, India
B. Tech. (2009-2013)	in Biotechnology, 1 st Division (~70.00%), Uttar Pradesh Technical University, Kanpur, Uttar Pradesh, India.

Research Experience (~8 Years: 2016 – present):

March 2023 - Present (continue)	Researcher at Diamond Detection and Research Center, Gemmological Institute of India, Mumbai - 400 004, India
May 2021 - October 2022 (1.5 Years)	Postdoc Researcher at NanoTheranostics Inc., New York, USA (After Ph.D. thesis submission)
May 2018 - April 2021 (3 Years)	Senior Research Fellow and Ph.D. Scholar at National Institute of Technology Warangal (NITW), Telangana, India
June 2016- April 2018 (~ 2 Year)	Project Fellow at CSIR-NPL, New Delhi, India

Key Achievements/Awards:

- Selected as a ‘**Reviewer**’ for Royal Society of Chemistry (RSC), Radiation Physics and Chemistry (Elsevier) and Material Science Research India (MSRI) Journal in 2023-24.
 - Recipient of ‘**Industrial Post-doctoral Research Fellowship**’ (PDF), in 2021 by M/s Nanocrystals Technology Inc. New York, USA.
 - Recipient of ‘**Senior Research Fellowship**’ (SRF), File No.: 09/922(0007)/2018-EMR-I, by Council of Scientific and Industrial Research (CSIR), Govt. of India, New Delhi, India.
 - Conferred ‘**Award of Excellence in Research**’ for “*Development of rare-earth free lumino-magnetic nanophosphors for MRI applications*” at 2nd National Conference on “NTNA-2020” by *University of Delhi* held at Atma Ram Sanatan Dharma College Delhi.
 - Conferred **Best Poster Presentation** award with the **cash prize of Rs. 3000/-** at National Conference on “Luminescence and its Applications-2018” by *Luminescence Society of India* held at CSIR-NIIST, Kerala, India.
 - Recipient of “**Certificate of Appreciation**” as “*Lead Coordinator*” for 1st Annual Technical Fest ‘Genesis-2013’ at Dr. A.I.T.H. Kanpur, Uttar Pradesh, India.
 - Recipient of “**Certificate of Excellence**” in programing of ‘C’ language from Newzen Infotech Education, Kanpur, Uttar Pradesh, India.
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Intellectual Property Right Skills:

Active Courses (2024-25):

- Patent & Trademark Agent under Turnip's Full Patent Agent Course by **Dr. Prachi Pandey**, Registered Patent Agent, and Deputy Director of IPR Cell at KPGU Vadodara.
- How to Boost Patent Filings in Academia?

Completed Courses (2023-24):

- ✓ 2-Week Patent Course under IPR Certification by Turnip Innovations (Eval. by AICTE).
- ✓ 2-Week Entrepreneurship Course by Dr. Rahul Kapoor, Founder of Turnip Innovations.

Seminar/Conferences attended on IPR:

- ✓ Active Participation in “*Role of IPR in Innovation Management for Academia-Industry Collaboration*” conducted by NIT Warangal under the scheme of National Research Development Corporation (NRDC), Delhi.

Computer Skills: Microsoft Office, Operating Systems: Windows 7-11, Excel, PowerPoint, etc.

Key Publications:

- 1) Jaiswal *et al.* Quantum confinement...nanophosphors, *Quantum Dots: Emerging Materials for Versatile Applications*, (2023) 99-137, (DoI: 10.1016/B978-0-323-85278-4.00005-2).
 - 2) Jaiswal *et al.* Luminescence...Gd³⁺ ions, *Arab. J. Chem*, 13(1) (2020) 474-480.
 - 3) Jaiswal *et al.* Development of...ceramics, *Sens. Actuators A: Physical*, 332 (2021) 113181.
 - 4) Jaiswal *et al.* Fabrication...nanocomposite, *J. Inorg. Organo Polym.* 31 (2021) 1590–1600.
 - 5) Jaiswal *et al.* Crystal Structure...phosphors, *ChemistrySelect*. 6 (2021) 4047–4055.
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