

# *CURRICULUM VITAE*



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**Dr GAURAV AGARWAL**

**Orcid ID: 0000-0002-9485-8563**

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Given my rich experience in academic administration, quality assurance, curriculum development, and research in pharmaceutical sciences, I seek to contribute as an **Assessor / Expert Committee Member** with NAAC. My professional journey reflects a commitment to Outcome-Based Education (OBE) and fostering academic excellence.

## **PROFESSIONAL EXPERIENCE**

<b>NAME OF THE ORGANIZATION</b>	<b>POSITION</b>	<b>DURATION</b>	<b>WORK DONE</b>
<b>Faculty of Pharmacy, PIET, Panipat</b>	<b>Principal</b>	<b>Since 20<sup>th</sup> July 2023</b>	Academics & Administration
Shikhar Institute of Pharmacy	Director	Since 25/09/20 to 30-06-2023	Academics & Administration
RPIIT, karnal	Dean	August 2010 to September 2020.	Academics & Administration
GISIPS, Dehradun	Principal	August 2009-july 2010	Academics & Administration
SRMSCET, Bareilly	Assistant Professor	October 2008-July 2009	Academics
RBCP, Bareilly	Lecturer and Co-ordinator	June 2004-October 2008	Academics & Administration
Department of Pharmacy. IFTM, Moradabad(UP)	Lecturer	July 2003-June 2004	Handled Pharmaceutics subject.

## PROFESSIONAL QUALIFICATION

DEGREE/ EXAMINATION	INSTITUTE/ UNIVERSITY	YEAR OF PASSING	GRADE
PhD	Shri Venkateshwara University, Gajraula	2021	
M.Pharm	<b>Bits-Pilani</b> (Rajasthan)	2003	7.13 CGPA
B.Pharm	Deptt. Of Pharmacy, MJP RU, Bareilly, (UP)	2000	7.5 DGPA
TOEFL	ETS	2004	243 out of 300
IELTS	BRITISH COUNCIL	2016	L-6,S-6.5,W- 6.5,R-6.5 (OVERALL-6.5)

### RESEARCH EXPERIENCE

**M.Pharm Research Topic:** “Development of Aqueous & Non-Aqueous Formulation of Macrolide Antibiotic” at IPCA Lab (Formulation & Development) Mumbai.

**PhD Research Topic:** “ Formulation Evaluation and Characterization of Gastroretentive Superporous Hydrogel Pellets of Metformin Hydrochloride”

**GOVERNMENT FUNDED RESEARCH PROJECT :** “Completed 9.75lakh Inspire Project funded by DST”.

**Ph.D Students Guiding:**

**(One)**

## BOOKS PUBLISHED

S. NO	TITLE OF THE BOOK	NAME OF THE PUBLISHER	ISBN	YEAR OF 1 <sup>ST</sup> EDITION	NAME OF MAIN AUTHOR	CO- AUTHOR NAME
1	Pharmaceutics	CBS Publisher, N.Delhi	978-93-5466-561-5	2023	Dr. Gaurav Agarwal	
2	Pharmacotherapeutics	CBS Publisher, N.Delhi	978-93-5466-526-4	2023	Mayank Patel	Dr.Gaurav Agarwal
3	Biopharmaceutics & Pharmacokinetics	CBS Publisher, N.Delhi	978-93-5466-131-0	2022	Jyoti Ghanghas	Dr. Gaurav Agarwal
4	Industrial Pharmacy I	CBS Publisher, N.Delhi	978-93-54660-40-5	2022	Dr. Gaurav Agarwal	Dr. Atul Kaushik
5	Computer Application in Pharmacy	CBS Publisher, N.Delhi	978-81-948986-34	2021	Dr Gaurav Agarwal	Parmeet Kaur
6	Pharmacy Practice	CBS Publisher, N.Delhi	978-93-89941-91-3	2020	Dr. Gaurav Agarwal	
7	Industrial Pharmacy II	CBS Publisher, N.Delhi	978-93-89688-52-8	2020	Dr. Gaurav Agarwal	Jyoti Ghangas
8	Formulative Pharmacy	CBS Publisher, N.Delhi	978-93-88725-59-0	2019	Dr. Gaurav Agarwal	Dr. Atul Kaushik
9	Pharmaceutics-I (For B.Pharm)	CBS Publisher, N.Delhi	978-93-879-6420-4	2019	Dr. Gaurav Agarwal	
10	Pharmaceutics (For D.Pharm)	CBS Publisher, N.Delhi	978-93-88178-73-0	2018	Dr. Gaurav Agarwal	
11	Introduction to General Pharmacy	CBS Publisher, N.Delhi	978-81-239-1787-0	2010	Dr. Gaurav Agarwal	
12	Drug Regulatory Affairs	CBS Publisher, N.Delhi	978-81-239-2881-4	2015	Dr Gajendra Singh	Dr. Gaurav Agarwal & Vipul
13	Pharmaceutical Technology-I	CBS Publisher, N.Delhi	978-81-239-2294-2	2014	Dr. Gaurav Agarwal	Dr. Atul Kaushik
14	Pharmaceutical Technology-II	CBS Publisher, N.Delhi	978-81-239-2031-3	2012	Dr. Gaurav Agarwal	Dr. Atul Kaushik
15	Cosmetic Science	CBS Publisher, N.Delhi	978-93-5466-796-1	2025	Preeti, Sonia Narwal	Dr. Gaurav Agarwal

## PATENTS

S. No	Title	Design No.	Date	Type of Patent
1	Smart Glasses for Determining Retina Strains	444356-001	16/01/2025	Design Patent
2	Artificial Intelligence Based Skin Disease Detection Medical Device	439200-001	02/12/2024	Design Patent
3	Portable Device for Measurement of Cardiac Arrhythmia	435377-001	23/10/2024	Design Patent
4	Biosensor Device Used for Detection of Cancer Cells	423024-001	12/07/2024	Design Patent
5	AI – Assisted Diagnostic Device for Early Detection of Tumors in MRI Scans	410453-001	13/03/2024	Design Patent
6	AI – Based Brain Hemorrhage Detection Device	402906-001	22/12/2023	Design Patent
7	Preformulation Studies of Super Porous Hydrogels of Metformin Hydrochloride.	202311044462.	03/07/23	Utility Patent

## LIST OF PUBLICATIONS

1. **Agarwal G**, Agarwal S, Karar PK, Goyal S. Oral sustained release tablets: an overview with a special emphasis on matrix tablet. *Am J Adv Drug Deliv.* 2017;5(2):64-76.
2. Thakker P, Shah J, Mehta T, **Agarwal G**. Taste masking of pharmaceutical formulations: review on technologies, recent trends and patents. *Int J Life Sci Pharma Res.* 2020;10(3):P88-96.
3. Saudagar WS, Sidram GP, Baburo GS, **Agarwal G**, Agarwal S, Choudhari KA, et al. Development and characterization of Terminalia arjuna phospholipid complex and its tablet formulation by QbD approach. *Int J Life Sci Pharma Res.* 2021;11(3):14-28.
4. **Agrawal G**, Tushir S, Arora D, Sangwan K. Artificial intelligence in pharmaceutical drug delivery. In: *2024 International Conference on Computational Intelligence and Computing Research (ICIC)*; 2024.
5. Grover I, **Agarwal G**. Formulation and evaluation of sublingual tablets of lisinopril. *J Sci Ind Res.* 2012;71:51–6.
6. Devgan M, Karar PK, **Agarwal G**, Mohan A, Gangwar P. In silico designing of drugs for the inhibition of AMF-HER2 complex in trastuzumab resistant breast cancer. *NISCAIR-CSIR, India*; 2016.
7. Kar A, **Agarwal DG**, Agarwal DS. A review on nanostructure drug carriers for treatment and management of neuroendocrine cancer. *Int J Pharm Sci.* 2023;14(1):b1-9.
8. **Agarwal G**. Formulation and evaluation of 3D printed pregabalin tablets targeted for neuropathic pain by QbD approach for personalized medicine. *Int J Life Sci Pharma Res.* 2022;11(6):1-13.

9. **Agarwal G**. Formulation & evaluation of sustained release matrix tablet of repaglinide. *Open Access Biostat Bioinforma*. 2018;1(2).
10. Nagappa AN, **Agarwal G**, Chikkamath V, Agarwal S, Rani R, Karar P. Formulation and evaluation of acyclovir sodium solid lipid microparticles. *Am J Adv Drug Deliv*. 2016;4(5):1078-84.
11. Singh PA, Tushir S, Hazra S, Purewal SS, **Agarwal G**. Novel approaches for the extraction and identification of phytoconstituents from herbs and spices. *Nat Prod J*. 2025;15(4):E060624230784.
12. Xiong Y, Sharma HP, Goyal RK, Narwal S, Berwal A, Jain S, **Agarwal G**, et al. Bioflavonoid combination attenuates diabetes-induced nephropathy in rats via modulation of MMP-9/TIMP-1, TGF- $\beta$ , and GLUT-4-associated pathways. *Heliyon*. 2024;10(13).
13. Agarwal S, Karar PK, **Agarwal G**. Semi-herbal nanogel of clindamycin phosphate and Aloe vera: formulation and evaluation. *Mod Appl Bioequiv Bioavail*. 2017;2(5):1-5.
14. **Agarwal G**, Patel M. Review on monoclonal antibodies (mAbs) as a therapeutic approach for type 1 diabetes. *Curr Diabetes Rev*. 2024;20(7):23-8.
15. Baalann KP, Joseph D, Bhandari A, Kulkarni P, **Agarwal G**, Agarwal S. Oncology nurses' knowledge, attitudes, and factors in cancer pain—a systematic review. *Malays J Nurs*. 2024;15(4):196-212.
16. Syed MU, **Agarwal G**, Agarwal S. An overview of the role of artificial intelligence and machine learning in pharmaceutical research and development. *Lat Am J Pharm*. 2023;42:1-8.
17. **Agarwal G**, Kumar P, Agarwal S, MD VSN, AN N. Formulation development and evaluation of delayed-release tablets of montelukast sodium. *Asian J Pharm Health Sci*. 2018;8(3).
18. Khurana S, Malik A, Narwal S, **Agarwal G**, Sangwan K. Potential of artificial intelligence in healthcare sector. In: *2024 International Conference on Computational Intelligence and Computing*.
19. Aggarwal D, Kamal CM, **Agarwal G**, Kumar A, Sharma D. Understanding of phyto-nanomedicine for the management of inflammation and wound healing: an outlook. *Int J Pharm Sci Res*. 2023;14(10):4716-23.
20. Agarwal S, **Agarwal G**, Sharma P. A review on tablet in tablet for cancer and use of artificial intelligence (AI). *J Cancer Res Rev Reports*. 2024;SRC/JCRR-214.
21. Karar PK, **Agarwal G**, Agarwal S, Devgan M. Effect of dietary protein against excess vitamin A-induced hepatotoxicity in rats. *Am J Adv Drug Deliv*. 2017;5(2):59-63.
22. Aneja S, Mittal A, Dhiman N, **Agarwal G**. A review on phytoconstituents for the treatment of psoriasis. *Pharmacogn Rev*. 2023;17(34).
23. Otayf AY, **Agarwal G**, Al Khairat M, Khormi EA, Alnemi HH, Alhazmi AA, Abutawil K, Agarwal S. Review: Fructose, the sweet culprit behind nonalcoholic fatty liver disease and type 2 diabetes. *Current Diabetes Reviews*. 2024. doi:10.2174/0115733998336827250114071627. PMID: 40176716.

24. Al Khairat M, Otayf AY, Agarwal S, **Agarwal G**. Dietary and natural aid for alcoholic liver disease steatosis and cirrhosis. *Afr J Bio Sci*. 2024;6(14):3096-3114. doi:10.48047/AFJBS.6.14.2024.3096-3114..
25. Ghouse Z, Patel M, Agarwal S, Singhal R, **Agarwal DG**. Understanding emerging trends in the management of hypertension in chronic kidney disease: a systematic review. *Eur Chem Bull*. 2023;12(4):2970-81.
26. **Agarwal G**. Perioperative medication errors: review on cause, consequences and prevention. *Int J Pharm Bio Sci*. 2021;12(2):136-42.
27. **Agarwal G**. Role of combination therapy (Valsartan plus Hydrochlorothiazide) in hypertension: a review. *Eur J Biomed Pharm Sci*. 2016;3(1):137-40.
28. Kumar S, **Agarwal G**, Sangwan K. A review on medicinal approaches of novel imatinib derivatives. *Curr Top Med Chem*. 2025;25(12):1492–516. doi:10.2174/0115680266332163241127114029.
29. Tushir GAS, Singh PA, Hazra S, Purewal SS, **Agarwal G**. Novel approaches for the extraction and identification of phytoconstituents from herbs and spices. *Nat Prod J*. 2024;15(4):e060624230784.
30. Aggarwal D, Kamal CM, Choudhary M, **Agarwal G**, Kumar A, Sharma D. Understanding of phyto-nanomedicine for the management of inflammation and wound healing: an outlook. *Int J Pharm Sci Res*. 2023;14(10):4716–23.

## M.PHARM STUDENTS GUIDED

<b>NAME OF STUDENT</b>	<b>STUDENT REG. NO.</b>	<b>YEAR</b>	<b>NAME OF UNIV.</b>	<b>TITLE OF M.PHARM PROJECT</b>
Shalu Devi	15-RPB-86	2019	Pt.B.D.S Univ. Rohtak	<i>Formulation and evaluation of sustained release mucoadhesive tablets of ranitidine hydrochloride using xanthan gum</i>
Sayra Saini	15-RPB-90	2019	Pt.B.D.S Univ. Rohtak	<i>Formulation evaluation and characterization of sustained release tablets of atorvastatin</i>
Rahul	15-RPB-85	2017	Pt.B.D.S Univ. Rohtak	<i>Microwave Irradiated Copolymerization Of Xanthan Gum For Control Drug Delivery Of Atorvastatin</i>
Shagun Goel	15-RPB-87	2017	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Of Sustained Release Tablets Of Repaglinide</i>
Neha	14-RPB-87	2016	Pt.B.D.S Univ. Rohtak	<i>Formulation And In-Vitro evaluation Of Kappa Carrageenan Nanogel Of Cefixime Trihydrate</i>
Renu Bala Kamboj	14-RPB-90	2016	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Of Orodispersible Tablets Of Clindipine</i>
Mohd Mushahid	11-RPB-78	2016	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Extended Release Tablet Of Salbutamol Sulphate</i>
Rekha Rani	13-RPB-89	2015	Pt.B.D.S Univ. Rohtak	<i>Formulation Development And Evaluation Of Microparticles Of Acyclovir Sodium</i>
Monu Kumar	13-RPB-85	2015	Pt.B.D.S Univ. Rohtak	<i>Development And In-Vitro Evaluation Of Topical Microsponge Gel Of Fluconazole Using Xanthan Gum And Ethyl-Cellulose</i>
Harmeet Kaur	13-RPB-87	2015	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Of Clindamycin And Aloe Vera Nano Gel</i>
Sandeep Kumar	12-RPB-84	2014	Pt.B.D.S Univ. Rohtak	<i>Development And Formulation Of Sustained Release Tablet Of Isoxsuprine</i>
Monica Sharma	11-RPB-80	2013	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Of Ketoprofen Transdermal Gel For Treatment Of Pain And Inflammation.</i>
Pawan Kumar	11-RPB-83	2013	Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation of Monteleukast Sodium Tablet for Nocturnal Asthma</i>
Sandeep			Pt.B.D.S Univ. Rohtak	<i>Formulation And Evaluation Of Mouth</i>

Kumar	11-RPB-85	2013		<i>Dissolving Tablet Of Cinnarizine</i>
Prateek Kamboj	11-RPB-82	2013	Pt.B.D.S Univ. Rohtak	<i>Mucoadhesive Tablet of Cefixime,Clavulanic Acid and Lactobacillus</i>
Lavina Pasricha	11-RPB-76	2013	Pt.B.D.S Univ. Rohtak	<i>Formulation And Development Multi Unit Particle System Of Proton Pump Inhibitor Drug Eesomeprazole.</i>
Monika Kalra	11-RPB-79	2013	Pt.B.D.S Univ. Rohtak	<i>Development Of Polyherbal Anti-Ageing Topical Formulation And Its Evaluation</i>
Sandeep Mann	11-RPB-78	2013	Pt.B.D.S Univ. Rohtak	<i>Mucoadhesive Tablet Of Ranitidine Hydrochloride.</i>

### SEMINARS/CONFERENCES/WORSHOPS/SYMPOSIUM

- Workshop on **“Recent Trends In Drug Regulatory Affairs”** as **SPEAKER** organized by Bhagwant Institute of Pharmacy, Muzzafarnagar, India in 2013.
- National vendor development program-cum-industrial exhibition as **DELEGATE** organized by Micro,Small and Medium Enterprises, Government of India, at Karnal 2013.
- National seminar on **“Latest Developments In Pharmacognosy And Herbal Formulations”** presented **POSTER** organized by faculty of Pharmacy, RPIIT. Karnal in 2012.
- Seminar on **“Medical Devices Regulations”** as **DELEGATE** organized by IPGA welfare trust and Indian Pharmacy Graduates association at FICCI,New Delhi in 2012.
- Workshop on **“Research Methodology Sanjeevani Ek Prayas”** as **DELEGATE** organized by MJP Rohilkhand University, Bareilly in 2008.
- 59<sup>th</sup> **“Indian Pharmaceutical Congress”** as **DELEGATE** organized by Association of Pharmaceutical Teachers of India (APTI) at Varanasi in 2007.
- International seminar on **“Emerging Trends In Pharmaceutical Sciences”** as **DELEGATE** organized by Uttar Pradesh Technical University, Lucknow, India in 2006.
- Symposium on **“Prescription Trends In New Era: Discovery Of New Drugs”** as **DELEGATE** organized by Rakshpal Bahadur College of Pharmacy, Bareilly in 2006.
- Symposium on **“Indian Pharma Industry: Challenges And Opportunities”** as **DELEGATE** organized by Rakshpal Bahadur College of Pharmacy, Bareilly in 2005.
- **“Indian Pharmaceutical Congress”** as **DELEGATE** organized by Association of Pharmaceutical Teachers of India (APTI) at Chitkara University, Chandhigarh in 2017.
- Webinar on **“Hangout With Successful Start Ups”** as **DELEGATE** organized by DIT

University, on 29 april,2020

- Webinar on “**Pharma Industry After Covid-19, Opportunities And Challenges**” as **DELEGATE** organized by Mansarovar University, on 17 May,2020
- **Panel discussion** on “**New Normal For Pharmacy Field In Covid-19 Pandemic**” organized by Amity University, on 17 May,2020.
- Webinar on “**Research Grant Writing: An Art**” as **DELEGATE** organized by Subharti University, on 25 May,2020
- **Course Study “Fullbright Fellowship Offered By USIEF”** organized by APTI (Association of Pharmacy Teacher’s of India), in May,2020
- **Course Study “Design of Experiments in Pharmaceutical Research”** organized by APTI (Association of Pharmacy Teacher’s of India), in May,2020
- Webinar on “**Research Opportunities In Post Covid Era**” Presided by **Prof(Dr) B. Suresh President PCI** as **DELEGATE** organized by Alpine Group of Institutes, on 30 May,2020
- Webinar on “**Understanding Practice School And Its Concept In UG Pharmacy Education**” as **DELEGATE** organized by JSS Academy of Higher Education and Research, Mysuru and Rajiv Gandhi University of Health Sciences, Bengaluru, on 23 May,2020
- International Webinar on “**Pharmaceutical drug development and approval process**” as **DELEGATE** organized by Galgotia University, on 30 May,2020
- International Webinar on “ **Opportunities For The Pharmacist**” as **SPEAKER** organized by Future Group of Institutes on 02 May, 2020
- **One Week Faculty Development Program on “Students teachers networking during lockdown”** as **DELEGATE** organized by RPIIT Karnal, from 23-29 May,2020.
- International Conference on Pharmacy and Pharma Networks on the topic “**Formulation, Evaluation And Development Of Metformin Hydrochloride Using Super Porous Hydrogels Technique**” as **SPEAKER** organized by ICPPN, Germany on 28-29 June, 2021.
- Two day skill development training on “**Innovation in cultivation & processing of Medicinal & Aromatic Plants & Health Care Products**” as **DELEGATE** organized by Amity University, Noida, from 21-22 December, 2021.
- Webinar on “**Solid Shall Be Alternate Source To Replace Harmful Organic Solvent In Future (Mixed Solvency Concept)**” as **DELEGATE** organized by SPSR , on 06 Aug,2023.
- National Seminar on “**Career Prospects in Pharmacy**” as **SPEAKER** organized by Bharat group of Institutions, Kurukshetra, India 02 November, 2023.

- **NIPAM** Training Program on “National Intellectual Property Awareness Mission” organized by **Intellectual Property Office**, India on 26<sup>th</sup> April, 2024
- National Conference of Pharmacy “**Nanomedicines: A Multidimensional Approach in healthcare**” as **Session Chair** organized by RKSD College of Pharmacy, Kaithal, Haryana, India on 23<sup>rd</sup> Nov, 2024.
- Two day skill development training **during National Technology Day** on “**Empowering A Sustainable Tomorrow through Innovation**” as **Co-Cordinator** organized by PIET, Panipat from 13-14 May 2025..
- One Week Faculty Development Program on “**Artificial Intelligence Enabled Pharmaceutical Research : From Drug Discovery to Clinical Trials**” organized by Amity University,Lucknow, UP, India, from 26-30 May,2025.

**PERSONAL PROFILE:**

Name	Dr Gaurav Agarwal
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Date of birth	30-11-1975
Sex	Male
Marital status	Married
Language known	English & Hindi.

## REFERENCES

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**DECLARATION: Hereby, I declare that the information given above is authentic to best of my knowledge.**

**Place Date**

**(Dr GAURAV AGARWAL)**