MS. SANYAM SHARMA
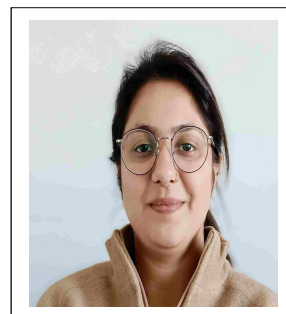
[M. Pharm. (Gold Medalist), PhD (Pursuing)]

Mobile: +91-8278765214; **E-Mail:** sanyamkhpi@gmail.com

Google Scholar link: https://scholar.google.com/citations?user=fyytBs0AAAAJ&hl=en&oi=ao.

✓ For research contributions, kindly refer to **ANNEXURE – I.**

ACADEMIA

Sr.	Description	Board/University	Year	Percentage
1.	PhD (Pharmaceutical Sciences)	Pacific Academy of Higher Education University, Udaipur	2021 (Ongoing)	63% (Coursework)
2.	M-Pharm (Pharmaceutical Analysis & QA)	Laureate institute of Pharmacy Kathog under HPTU-Hamirpur	2018-20	8.89 CGPA (*Gold Medalist*)
3.	B. Pharm	Laureate institute of Pharmacy Kathog under HPTU-Hamirpur	2014-18	71.69%
4.	H.S.C	DAV Sen. Sec. School Manai under HPBOSE	2014	68.6%
5	S.S.C	SD Model School Lunj under HPBOSE	2012	65%

CAREER HIGHLIGHTS

Nov. 2020 – June 2023   **Assistant Professor (Lecture Basis) at** Department of Pharmaceutical Sciences and Technology, Maharaja Ranjit Singh Punjab Technical University, Bathinda.

RESEARCH EXPERIENCE

Completed M. Pharm. Research work entitled "**Analytical Method development and validation for the simultaneous estimation of Atovaquone and Mefloquine hydrochloride in bulk drug by using UV-Visible spectroscopy & RP-HPLC**" under the supervision of Dr. Kamya Jindal in the year 2019-20.

EXPERTISE

⇨ Expertise in Analytical Method Development, Quality Assurance.

⇨ Expertise in Pharmaceutical Analysis, Chemistry

⇨ Expertise in operating sophisticated instruments like UV Spectroscopy, High Performance Liquid Chromatography, Zeta sizer, Automatic Dissolution apparatus, Automatic tablet punching machine etc.

CONFERENCES/SEMINARS/POSTER PRESENTATION (Last five years)

⇨ Participated in **International Conference on Advancement and Futuristic Trends in Mechanical and Materials Engineering** organized by MRSPTU, Bathinda and Society of Materials and Mechanical Engineers on 26th -28th October 2023. [**Won Best Technical Presentation Award**]

⇨ Presented research **in National Conference on Promoting Sustainable Livelihoods in the North Western Himalayas: Fostering converging among Research, Practise and Policy** organized by RCFC North NMPB and Central University of Himachal Pradesh on 27-28 May 2023.

⇨ Participated in the 2 DAYS National Conference on "**From Intelligence to Artificial Intelligence**" organized by Laurete Institute of Pharmacy, Kathog on September 23, 2023.

⇨ Presented research in UGC sponsored Inter/ Multi Disciplinary **Refresher Course on Trends and Technologies in Development of Phytochemical Products** organized by Doctor Harisingh Gaur Vishwavidyalaya, Sagar om 4th to 17 October 2023.

⇨ Participated in Online AICTE MRSPTU Faculty Development Program on "**Reshaping Pharmaceutical Education and Research for Next Generation: Prospects and Challenges**" organized by ISF college of Pharmacy , Moga on 14th - 19th February 2022.

⇨ Participated in the One Week National Online Faculty Development Program on "**Recent Trends & Advancements in Pharmaceutical Sciences**" Conducted from 1st to 6th February 2021.

⇨ Participated in Two Days in National e-Conference on "**Alternative to Animal Testing's: Replacement, Reduction, Refinement, Rehabilitation, Reuse and Recreation(6Rs) Strategy to Address Current Scenario**" organized by Laureate College of Pharmacy, Himachal Pradesh.

⇨ Attended the Online International Conference on "**Research Innovation, IPR & MSME Opportunities in Pharmaceutical Sciences**" organized by IIMT College of Pharmacy, Greater Noida.

⇨ Sharma, S, presented poster entitled "**Quality by Design: An Overview**" at National Conference on Quality by Design: Vital Necessity for Contemporary Approach. organized by Laureate College of Pharmacy, Himachal Pradesh.

⇨ Presented poster at National Seminar on **Recent trends in Radiopharmaceuticals** in Drug Delivery – Quality Safety and Regulatory Prospective organized by Atomic Energy Regulatory Board, Mumbai.

⇨ Sharma, S, presented poster entitled "**Recent Advances in LC-MS for Cancer Biomarker**" at International Conference on Pharmacy Practise Clinical Research and Pharmacovigilance Trends-2019 organized by Chitkara College of Pharmacy, Chitkara University, Punjab.

⇨ Participated in National Conference on "**Innovations in Drug Delivery through Academic and Industry Collaboration**" organized by Bansal College of Pharmacy, Bhopal.

⇨ Participated in National Conference on "**Recent advancements in Experimental Techniques in Pre-Clinical Research and Teaching**" organized by ASJSM College of Pharmacy, Bela.

INDUSTRIAL TRAINING

Completed training program on "**Value Addition of Fruit and Vegetables**" organized by NIFTEM, Thanjavur on 03-01-2022.

Completed Industrial Training at Corona remedies Pvt. Ltd. Jatoli, Dist. Solan, Himachal Pradesh during 25th May 2017 to 15th July 2017 (45 Days).

PROFESSIONAL AFFILIATIONS

⇨ Registered to Himachal Pradesh Pharmacy Council (Reg. No. – 38018)

REFERENCES

Prof. Ashish Baldi

Professor and Dean (Research and Development), Department of Pharmaceutical Sciences & Technology, Maharaja Ranjit Singh Punjab Technical University, Bathinda.
Email: baldiashish@gmail.com

Prof. (Dr.) M.S. Ashawat

Principal, Laureate College of Pharmacy, Himachal Pradesh.

Email: msaresearch@gmail.com

RESEARCH AND REVIEW PAPERS:

BOOK CHAPTERS

- Naman Verma, **S Sharma**, Jitender Madan, Joohee Pradhan, Ashish Baldi (2025), **Artificial intelligence in pharmaceutical formulation development: Recent trends and future prospects, AI-Personalized Medicine Therapy**, Cambridge Scholars Publishing, Pp: 219-47
- Sharma P, **Sharma S**, Baldi A. **Phyto-Armamentarium to Manage Metabolic Syndrome: Prospective and Prospects**. Taylor & Francis CRC Press (In press)'
- **Sanyam Sharma,** Subh Naman, Varinder Singh, Mansour Ghorbanpour, Jitender Madan, Ashish Baldi. **Cultivation, Collection, Processing and Storage of Drugs of Natural Origin: The Quality Perceptions** in the "Essentials of Herbal Drugs" (Taylor and Francis) [In Press].
- Sumant, **Sharma S**, Baldi A. **Formulation-by-Design based Optimization Strategies for Development of Pharmaceutical Products: Current Advances and Future Prospects**. (In press)
- **Sharma S**, Naman S.S, Dwivedi J. and Baldi A. **Artificial Intelligence-Based Smart Identification System Using Herbal Images: Decision Making Using Various Machine Learning Models**. In Applications of Optimization and Machine Learning in Image Processing and IoT (pp. 123-155). Chapman and Hall/CRC. 2024
- **Sharma, Sanyam,** Subh Naman, and Ashish Baldi. "**Cyclodextrin-Based Molecular Inclusion by Grinding: Quality by Design in Green Chemistry.**" Sustainable Approaches in Pharmaceutical Sciences (2023): 217-236.
- **Sanyam Sharma,** Subh Naman, Jayesh Dwivedi, Ashish Baldi. **Dextran for application in DDS for lung diseases** in book entitled **"**Natural Polymeric Materials based Drug Delivery Systems in Lung Disease, Springer Nature Publications**.**
- Subh Naman, **Sanyam Sharma**, Jayesh Dwivedi, Ashish Baldi**. Pullulan for application in DDS for lung diseases** in book entitled "Natural Polymeric Materials based Drug Delivery Systems in Lung Disease" Springer Nature Publications**.**

RESEARCH AND REVIEW PAPERS:

- Naman, Subh, **Sanyam Sharma**, and Ashish Baldi. "**Machine Learning based Identification of Herbs: A Case Study of Cumin.**" Chinese Computer Science, Bentham Science Publisher [Accepted].
- Subh Naman, **Sanyam Sharma**, Ashish Baldi. "**Identification of Spices and their Adulterants by Integrating Machine Learning and Analytical Techniques: A Representative Study**". International Journal of Pharmaceutical Sciences and Drug Research, 2024;16(3):1-11
- Thakur, Ashish, **Sanyam Sharma,** Subh Naman, and Ashish Baldi. "**Pullulan based polymeric novel drug delivery systems: A review on current state of art and prospects**." Journal of Drug Delivery Science and Technology (2023): 105117. (Impact Factor- 5.01)

- Kumari, Manisha, **Sanyam Sharma**, Navjot Kanwar, Subh Naman, and Ashish Baldi. "**Dextran-based Drug Delivery Approaches for Lung Diseases: A Review**." Current Drug Delivery (2024). (Impact Factor-0.801)

- **Naman, S**., Sharma, S., Kumar, M., Kumar, M., & Baldi, A. (2023). **Developing a CNN-Based Machine Learning Model for Cardamom Identification: A Transfer Learning Approach**. Latin American Journal of Pharmacy: A Life Science Journal, 42(6), 565-574. **[Scopus indexed]**

- **Naman, S**., Sharma, S., & Baldi, A. (2023). **Machine Learning based Identification of Spices: A Case Study of Chilli**. Latin American Journal of Pharmacy, 42(10), 248-261. **[Scopus indexed]**

- **Sharma Sanyam**, Naman Subh, Baldi Ashish (2022) "**Simultaneous estimation of atovaquone and mefloquine hydrochloride: QbD based method development and validation**". Indian Journal of Pharmaceutical Education and Research. Ahead of Print. (Impact Factor-0.801)

- Navdeep Singh, Shivi Sondhi, **Sanyam Sharma**, Dheeraj Singh, Vishal Koundal, Kamya Goyal, Shammy Jindal (2021). **Treatment of Skin Cancer by Topical Drug Delivery of Nanoparticles: A Review**. Research Journal of Pharmacy and Technology; 14(10):5589-8.

- **Sharma, S,** Ankalgi AD, Sharma R, Devi A, Jindal S, Goyal K. **Development and validation of novel method for simultaneous estimation of Atovaquone and Mefloquine hydrochloride in bulk drug using RP-HPLC**. Journal of Applied Pharmaceutical Research. 2020 Aug 31;8(3):48-54.

- **Sharma, S**, Sharma R, Goyal K, Jindal S. **Potential of herbal treatment of Psoriasis: A Laconic Review**. Asian Journal of Research in Pharmaceutical Sciences. 2021 Feb 1;11(1):51-7.

- **Sharma, S**, Sharma R, Devi A, Jindal S, Goyal K. **A review on characteristics and analytical methods of atovaquone–a potent antimalarial agent**. Journal of Applied Pharmaceutical Research. 2020 Aug 31;8(3):31-7.

List of Student Guided

B. PHARMA:

- **Monographs of selected herbal drugs: Ashwagandha and Kalmegh** (Prakash Kumar E.NO 190730043, June 2023).
- **Monographs of selected herbal drugs: Shatavari, Rauwolfia and Brahmi** (Ashwani Kumar E.NO 190730005, June 2023).
- **Artificial intelligence-based machine learning model for identification of Ashoka and its adulterants: A Systemic Review** (Naman Verma E.NO 190730029, June 2023).
- **Artificial intelligence-based machine learning model for identification of Ashoka and its adulterants: A Systemic Review** (Neeraj Panwar E.NO 190730032, June 2023).
- **Drug disposal** (Harsh Raj E.NO 190730012, June 2023).
- **Monographs of selected herbal drugs: Amla and Haldi** (Piyush Shankar E.NO 190730039, June 2023).
- **Co-processed excipients (**Prachi Bharti E.NO 190730041, June 2023).
- **Co-processed excipients** (Disha Chauhan E.NO 190730004, June 2023).
- **Survey and formation of flyers for empowering antibiotics use** (Gourav Rajora, E.NO 190730009, June 2023).
- **Monographs of selected herbal drugs: Aloe and Turmeric** (Manish Yadav E.NO 190730025, June 2023).
- **Monographs of selected herbal drugs: Vacha, Liquorice and Tulsi** (Manish Pathak E.NO 190730026, June 2023).
- **Disposal management of waste substance and Expired drugs** (Shivam E.NO 190730051, June 2023).