

CURRICULUM VITAE

Suman Kumar

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Current Designation: Assistant Professor (Pharmaceutical Chemistry)

Royal Global University, (Royal School of Pharmacy)

7th Jan 2025 – Till date

Previous Designation: Assistant Professor (Pharmaceutical Chemistry)

Girijananda Chowdhury University, (School of pharmaceutical Science)

2nd January 2019 – 2nd January 2025

Professional Summary

Experienced **Assistant Professor** with **over 6 years** in teaching and research within the field of **Pharmaceutical Chemistry**. Expertise in wound healing, diabetes, molecular docking studies, phytochemical research, and synthetic chemistry, with a strong record of publication and award-winning research contributions.

Educational Qualifications

Examination	Year of Passing	Board/University (Percentage/CGPA)	Specialization
HSLC (10th)	2010	SEBA (80.3%)	-
HSSLC (12th)	2012	AHSEC (78.4%)	Science
B. Pharm	2016	Dibrugarh University (63.5%)	-
M. Pharm	2018	Mizoram University (8.61CGPA)	Pharmaceutical Chemistry
Ph.D.	Thesis Submitted	Assam Science & Technology University	Pharmaceutical Chemistry

Awards and Honors

- Gold Medal** – Mizoram University (2018) for first rank in M.Pharm.
- Best Poster Award** – Young Pharmacology Conclave, Royal Global University, 2024.
- Proficiency Award-III** – M.Pharm 1st & 2nd Semester, RIPANS, Mizoram University (2017).

4. **Excellence Award** – 4.73 out of 5 rating in student feedback, GIPS (2021).
 5. **Winner** – Healthcare Innovation Program, NIPER Guwahati, 2024.
 6. **Winner** – FAME, BIOTECH 3.0 Hackathon, BIONEST IASST, 2024.
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Book, Chapter and Patents

- **Book Chapters:**
 - **Kumar S**, Kushari S, Sarma H, Laloo D. Exploring the Traditional System of Medicine with Special Emphasis on the Indigenous Practice of Herbal Remedy by the Tribals of North East India. Practice and Re-emergence of Herbal Medicine. 2023 Jul 24; 1:1.
 - Bharali A, Deka B, Sarma H, Ahmed A, Bhattacharjee B, Sarma S, **Kumar S**, Kushari S, Devi R. The Role of Vitamin D in the Restriction of the Progress and Severity of COVID-19 Infection. Vitamin D Deficiency-New Insights.
- **Book:** Chibuzor Okonkwo, Divya Jain, Rasel Ahmed Khan, **Suman Kumar**. Occupational Exposure and Environmental risk factors for Hepatocellular Carcinoma. ISBN number: 9781637457481, Publisher: Xpress publishing (Notion Press), California (USA)
- **Patent:** Alkaline mineral salt making device (Patent No. 430559-001), Indian Patent Office, Government of India, 2024.

Research Publications

- **Kumar, S.**, Bharali, A., Sarma, H., Kushari, S., Gam, S., Hazarika, I., & Laloo, D. (2023). Traditional complementary and alternative medicine (TCAM) for diabetic foot ulcer management: A systematic review. *Journal of Ayurveda and Integrative Medicine*, 14(4), 100745 (Elsevier IF-1.7).
- **Kumar S**, Nikam YP, Baruah S, Kushari S, Ghose S, Prasad SK, Das A, Banu ZW, Kalita J, Laloo D. Safety profile assessment of standardized root extract of *Potentilla fulgens* in Wistar rats: Acute and sub-acute dermal toxicity study. *J Appl Pharm Sci*. 2024;14(09):138–147
- **Kumar, S.**, Bharali, A., Sarma, H., Kushari, S., Gam, S., Hazarika, I., & Laloo, D. (2024). *Potentilla fulgens* root extract rich in polyphenols ameliorate diabetic foot ulcers in Wistar rats via regulating oxidative stress and connective tissue markers. *Journal of Ayurveda and Integrative Medicine* (Elsevier IF-1.7)
- Sarma, S. K., Dutta, U., Bharali, A., **Kumar, S.**, Baruah, S., Sarma, H., & Sahu, B. P. (2023). Isolation of curcumin from Lakadong turmeric of Meghalaya and

development of its PLGA-Cur-NS loaded nanogel for potential anti-inflammatory and cutaneous wound healing activity in Wistar rats. *Future Journal of Pharmaceutical Sciences*, 9(1), 85. (Springer IF-3.4)

- Bordoloi, C., **Kumar, S.**, Barbhuiya, A. M., Kushari, S., Kalita, J. M., Sahu, B. P., & Laloo, D. (2023). Herbal Medicine Used for Wound Healing by the Tribes of the North Eastern States of India: A Comprehensive Review. *Journal of Herbal Medicine*, 100697. (Springer IF-2.2)
- Gam, S., **Kumar, S.**, Kushari, S., Dutta, R. S., Sarma, H., Paul, A., & Zaman, M. K. (2024). Phytochemical Screening, HPTLC Fingerprinting and Evaluation of In Vitro Cytotoxic Activity of Stem Bark Extracts of *Oroxylum indicum* (L.) Vent. Against Human Cervical Cancer Cells. *Indian Journal of Clinical Biochemistry*, 39(4), 565-571. (Springer IF-1.5)
- Kushari, S., Hazarika, I., Laloo, D., **Kumar, S.**, Kalita, J. M., & Sarma, H. (2023). An integrated computational approach towards the screening of active plant metabolites as potential inhibitors of SARS-CoV-2: an overview. *Structural Chemistry*, 34(3), 1073-1104. (Springer IF-2.1)
- Kalita, A., Bharadwaz, A., Kaushik, D., Kumar, S., Sarma, H., Kushari, S., **Kumar, Laloo, D.** (2023). Tamilnadia uliginosa (Retz) Tirveng and Sastre: potential application from traditional remedies to modern therapeutics. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 93(1), 1-15. (Springer IF-0.96)
- Zaman, AMM; Kumar, A; **Kumar, S**; Patowary, L; Kushari S and Sarma H. (2023) Bioactive components of *Paederia foetida* Linn. and its role in disease management. *Int J Pharm Sci & Res*, 14(8): 3686-93.
- Gam, S., Deka, D., Das, B., Sarma, D., **Kumar, S.**, Kushari, S., & Sarma, H. (2021). Ethnobotanical review of medicinal plants used against diarrhea and dysentery in northeast India (Assam). *Current Traditional Medicine*, 7(6), 29-41.
- **Kumar, S.**, Devi, D., Kushari, S., Gam, S., & Sarma, H. (2021). A review on ethnomedicinal plants of Assam (India) used in the treatment of Diabetes mellitus. *Int J Pharm Sci Res*, 12, 3042-50.
- Sailo, L., Kushari, S., & **Kumar, S.** (2017). Traditionally used medicinally plants of Bhergaon sub-division, Udalguri district, Assam. *Journal of Medicinal Plant Research*, 5(6), 109-113.

- **Kumar, S.,** Tapadar, S., & Sailo, L. (2018) Estimation of cholesterol in different edible oils found in Mizoram. *Science visions* 18 (2), 64-69
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Teaching and Mentoring

- Undergraduate Thesis Guided: 18
- Postgraduate Thesis Guided: 5

Research and Consultancy Projects

- Applied for Biotechnology Industry Research Assistance Council (BIRAC) project (details available upon request).
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Skills

- **Technical:** Molecular docking, phytochemical analysis, HPTLC, synthetic chemistry.
 - **Languages:** English, Assamese, Hindi.
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Professional Affiliations

- Life Member of UNESCO
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References

Available upon request.

DECLARATION: I hereby declare that the above furnished information's are true to the best of my knowledge and believes.

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