

Curriculum Vitae

Name: **ANURAG KUMAR GAUTAM**

Designation: **Assistant Professor**

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<https://www.researchgate.net/profile/Anurag-Kumar-Gautam>

<https://scholar.google.com/citations?user=QI4FeIAAAAJ&hl=en>



Professional Achievements

Sr. No.	Course Name	University	Passing Year	Percentage	Area of Achievement
1.	Ph.D. (Pharmaceutical Sciences)	Babasaheb Bhimrao Ambedkar University, Lucknow.	2024	-	*Thesis submitted
2	M. Pharm.	Babasaheb Bhimrao Ambedkar University, Lucknow.	2019	70 %	M.PHARM (Pharmacology)
3.	B. Pharm.	AKTU, Lucknow	2017	69.66 %	B.PHARM

Work Experience

1.

Position: Project Fellow		
Title of Project: Gprotein beta 5 (gb5) regulates multiple chemotherapeutic drugs induced cardiotoxicity through an unifying Nox-ROS-CaMKII dependent mechanism.		
Guide's Name:	Institute:	Duration:
Prof. Biswanath Maity	Centre of Biomedical Research, Lucknow	10.01.2020 to 06.10.2020 (8 months 4 days)

2.

Position: Project-JRF		
Title of Project: Dalbergin loaded PLGA-galactose nanoparticles to produce site specific drug delivery for the treatment of hepatic cancer and investigating its anticancer molecular mechanistic.		
Guide's Name:	Institute:	Duration:
Dr. Sudipta Saha.	Babasaheb Bhimrao Ambedkar University, Lucknow	03.03.2021 to 03.11.2021 (8 months)

3.

Position: Project Fellow		
Title of Project: Transferrin receptor and CD44 biomarker targeted pH sensitive liposomes of resveratrol and temozolomide for the treatment of malignant glioma: a multifunctional approach to target both cancer cells and cancer stem cells.		
Guide's Name:	Institute:	Duration:
Dr. Vijayakumar M.R.	Babasaheb Bhimrao Ambedkar University, Lucknow	15.03.2022 to 20.01.2024 (1 year 10 months 5 days)

National Qualification

- ❖ Qualified GPAT in 2017
- ❖ Qualified GPAT in 2019

Patent in Indian

S. No.	Title	Year	Awarded
1.	Dr. Amit K. Keshari, Dr. Sudipta Saha, Dr. Gosipatala Sunil Babu, Dr. Biswanath Maity, Anurag Kumar Gautam "PROCESS FOR PREPARING INDENO[1,2-D]THIAZOLO[3,2-A]PYRIMIDINE CONTAINING NITROGEN-BRIDGEHEAD, Intellectual Property India" Reference No.202011029363 (Filed in 10/07/2020)	2022	GRANTED (Patent number:405884)

Publications

- ❖ **Anurag Kumar Gautam**, Pranesh Kumar, Vipin Kumar, Amita Singh, Tarun Mahata, Biswanath Maity, Sachin Yadav et al. "Preclinical evaluation of dalbergin loaded PLGA-galactose-modified nanoparticles against hepatocellular carcinoma via inhibition of the AKT/NF- κ B signaling pathway." *International Immunopharmacology* 140 (2024): 112813, **(Impact factor- 4.8). Publisher, Elsevier.**
- ❖ Thakur, Sunita, Md Meraj Anjum, Shweta Jaiswal, **Anurag Kumar Gautam**, and Paruvathanahalli Siddalingam Rajinikanth. "Tazarotene-calcipotriol loaded Nanostructured lipid carrier enriched hydrogel: A novel dual drug synergistic approach towards Psoriasis management." *Journal of Drug Delivery Science and Technology*, 88 (2023): 104944. **(Impact factor- 4.5). Publisher, Elsevier.**
- ❖ Sonkar, Archana Bharti, Pranesh Kumar, Anand Kumar, **Anurag Kumar Gautam**, Abhishek Verma, Amita Singh, Umesh Kumar et al. "Vinpocetine mitigates DMH-induce pre-neoplastic colon damage in rats through inhibition of pro-inflammatory cytokines." *International Immunopharmacology* 119 (2023): 110236, **(Impact factor- 4.8). Publisher, Elsevier.**
- ❖ Yadav, Sachin, Dilip Kumar Arya, Prashant Pandey, Sneha Anand, **Anurag Kumar Gautam**, Shivendu Ranjan, Shubhini A. Saraf et al. "ECM Mimicking Biodegradable Nanofibrous Scaffold Enriched with Curcumin/ZnO to Accelerate Diabetic Wound Healing via Multifunctional Bioactivity." *International Journal of Nanomedicine* (2022): 6843-6859, **(Impact factor- 8). Publisher, Dovepress.**
- ❖ **Anurag Kumar Gautam**, Pranesh Kumar, Biswanath Maity, Ganesh Routholla, Balaram Ghosh, Kumarappan Chidambaram, M. Yasmin Begum et al. "Synthesis and appraisal of dalbergin-loaded PLGA nanoparticles modified with galactose against hepatocellular carcinoma: in-vitro, pharmacokinetic, and in-silico studies." *Frontiers in Pharmacology* **(Impact factor- 4.4) Publisher, Frontiers.**
- ❖ Pranesh Kumar, Mohit kumar, **Anurag Kumar Gautam**, Archana Bharti Sonkar, Abhishek Verma, Amita Singh, Raquibun Nisha, Umesh Kumar, Dinesh Kumar, Tarun Mahata, Bolay Bhattacharya, Biswanath Maity, Abhishek Pandeya, Sunil Babu Gosipatala, Sudipta Saha. Ameliorative effect of fluvoxamine against colon carcinogenesis via COX-2 blockade with oxidative and metabolic stress reduction at the cellular, molecular and metabolic levels. *BBA Advances*, 2022. **Publisher, Elsevier.**

- ❖ **Anurag Kumar Gautam***, Pranesh Kumar, Ritu Raj, Dinesh Kumar, Bolay Bhattacharya, PS Rajinikanth, Kumarappan Chidambaram, Tarun Mahata, Biswanath Maity, Sudipta Saha. Preclinical evaluation of dimethyl itaconate against hepatocellular carcinoma via activation of e/iNOS mediated NF- κ B dependent apoptotic pathway. *Frontiers in Pharmacology*, 2022 (**Impact factor- 4.4**). **Publisher, Frontiers**
- ❖ Amita Singh, Pranesh Kumar, Archana Bharti Sonkar, **Anurag Kumar Gautam**, Abhishek Verma, Biswanath Maity, Himani Tiwari, Nanda Gopal Sahoo, Amit K Keshari, SK Yadav, Sudipta Saha. A Comprehensive Review on PCSK9 as Mechanistic Target Approach in Cancer Therapy. *Mini-Reviews in Medicinal Chemistry*, 2021 (**Impact factor- 3.862**). **Publisher, Bentham Science**
- ❖ Archana B Sonkar, Pranesh Kumar, **Anurag Kumar Gautam**, Biswanath Maity, Monika Matiyani, Nanda Gopal Sahoo Sudipta Saha. New Scope of Targeted Therapies in Lung Carcinoma. *Mini-Reviews in Medicinal Chemistry*, 2021 (**Impact factor- 3.862**) **Publisher, Bentham Science**
- ❖ Raquibun Nisha, Pranesh Kumar, **Anurag Kumar Gautam**, Hriday Bera, Bolay Bhattacharya, Poonam Parashar, Shubhini A Saraf, Sudipta Saha: Assessments of in vitro and in vivo antineoplastic potentials of β -sitosterol-loaded PEGylated niosomes against hepatocellular carcinoma. *Journal of Liposome Research*, 2020, (**Impact factor- 4.4**). **Publisher, Talyor & Fransis**
- ❖ Pranesh Kumar, **Anurag Kumar Gautam**, Umesh Kumar, Archana S. Bhadauria, Ashok K. Singh, Dinesh Kumar, Tarun Mahata, Biswanath Maity, Hriday Bera, BSudipta Saha: Mechanistic exploration of the activities of poly(lactic-co-glycolic acid)-loaded nanoparticles of betulinic acid against hepatocellular carcinoma at cellular and molecular levels. *Archives of physiology and biochemistry*, 2020, (**Impact factor- 4.076**). **Publisher, Talyor & Fransis**
- ❖ Pranesh Kumar, Aakriti Agarwal, Ashok K Singh, **Anurag Kumar Gautam**, Sreemoyee Chakraborti, Umesh Kumar, Dinesh Kumar, Bolay Bhattacharya, Parthasarathi Panda, Biswajit Saha, Tabish Qidwai, Biswanath Maity, Sudipta Saha: Antineoplastic properties of zafirlukast against hepatocellular carcinoma via activation of mitochondrial mediated apoptosis. *Regulatory Toxicology and Pharmacology* 10/2019;, DOI:10.1016/j.yrtph.2019.104489 (**Impact factor- 3.4**). **Publisher, Elsevier**

Book Chapters

- ❖ Singh, A., Kumar, V., **Gautam, A.K.**, Yadav, A.K. and Vijayakumar, M.R., 2023. Toxicokinetic and Toxicodynamic Studies of Cosmetics and Personal Care Products Using 3D Skin Models: Progress Made and Path Ahead. In Skin 3-D Models and Cosmetics Toxicity (pp. 237-248). Singapore: Springer Nature Singapore.
- ❖ Kumar, V., Kewlani, P., Singh, A., Sanjay, **Gautam, A.K.**, Mahalingam Rajamanickam, V. (2023). Multifunctional Liposomes to Attain Targeting, Stimuli Sensitive Drug Release and Imaging Cancer. In: Santra, T.S., Shinde, A.U.S. (eds) Advanced Drug Delivery. Studies in Mechanobiology, Tissue Engineering and Biomaterials, vol 26. **Publisher: Springer, Singapore, 2023.**
- ❖ Vipin Kumar, Nazia Praveen, Perna Kewlani, Arvind, Amita Singh, **Anurag Kumar Gautam** & Vijayakumar Mahalingam Rajamanickam (2023). Transdermal Drug Delivery Systems. In: Santra, T.S., Shinde, A.U.S. (eds) Advanced Drug Delivery. Studies in Mechanobiology, Tissue Engineering and Biomaterials, vol 26. **Publisher: Springer, Singapore, 2023.**
- ❖ S Maity, S Saha, S Sarkar, P Kumar, **AK Gautam**, AB Sonkar. **Dextran-based nanomaterials in drug delivery applications in** Biopolymer-Based Nanomaterials in Drug Delivery and Biomedical Applications. ISBN: 9780128208748. **Publisher: Academic Press, Elsevier, 2020.**
- ❖ P Parashar, P Kumar, **AK Gautam**, N Singh, H Bera, S Sarkar, SA Saraf, S Saha. **Gelatin-based nanomaterials in drug delivery and biomedical applications in** Biopolymer-Based Nanomaterials in Drug Delivery and Biomedical Applications. ISBN: 9780128208748. **Publisher: Academic Press, Elsevier, 2020.**

Conference/Poster or Paper Presentation/Workshops

- ❖ Poster Presentation on “**25th Indo-US Workshop on Flow Cytometry and its Applications in Biology**” 3rd & 4th February, 2024, Organized by the Department of Biotechnology, BBAU, Lucknow.
- ❖ Oral presentation on, Effectiveness of dalbergin loaded PLGA nanoparticles decorated with galactose for the treatment of liver cancer, **TBRS-2023 National symposium on**, Emerging techniques for the characterization and therapeutic evaluation of traditional ayurvedic / herbal

medicines, 2nd & 3rd February 2023, Organized by: Amity University, Lucknow.

- ❖ Oral presentation on, Formulation, development and characterizations of dalbergin loaded PLGA nanoparticles decorated with galactose against hepatocellular carcinoma: In-vitro studies, **an international conference on**, Reconciling the gap between different pharmacy horizons: Need of the hour, 12th November 2022, Organized by: Chandra Shekhar Singh College of Pharmacy, Prayagraj UP-212213.
- ❖ 7 Days Hand on training on “**Flow Cytometry**” 29th November to 05th December 2022, Organized by the Department of pharmaceutical Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varansi, UP.
- ❖ 7 Days Hand on training on “**Characterization techniques and advance application in research (MRS/metabolomics)**” 22nd Sep to 28th 2022, Organized by the Department of Chemistry, BBAU, Lucknow.
- ❖ Poster Presentation on “**World Immunology Day 29th April 2019**” Organized by the Department of Biotechnology, BBAU, Lucknow.
- ❖ National Workshop on “**Building national STI policy system and Governance for Effective R&D Ecosystem 5th March 2019**” Organized by DST-Centre for Policy Research, BBAU, Lucknow.
- ❖ National Institute of Pharmaceutical Education and Research, Raebareli 10th NIPER-R Symposium on “**Nano Based Therapy for Neurodegenerative Diseases**” 27-28 March 2018.
- ❖ 31st Annual Conference of Indian Pharmacy Graduates” Association Theme: “**The Strategic Direction for Competent Pharma Graduates- A Roadmap**” held at Auditorium, CSIR-CDRI, Lucknow, (U.P.) on 30th April 2017.

Award

- ❖ Best presentation award, Formulation, development and characterizations of dalbergin loaded PLGA nanoparticles decorated with galactose against hepatocellular carcinoma: In-vitro studies, **an international conference on**, Reconciling the gap between different pharmacy horizons: Need of the hour, 12th November 2022, organized by: Chandra Shekhar Singh College of Pharmacy, Prayagraj UP-212213.

Personal Information

Name : Anurag Kumar Gautam
Father's Name : Rohit Prasad
Date of Birth : 15/03/1996
Gender : Male
Nationality : Indian
Language Known : Hindi & English.
Hobbies : Cooking

Field of Interest

Cancer Biology, Nanomedicine, Drug Design and Discovery, *In-vivo and In-vitro* Pharmacological screening of novel molecules, ELISA, Western blotting, Flow Cytometry, and ¹H-NMR based metabolomics.