



Kunal Bhattacharya

M.Pharm (Pharmaceutical Chemistry), PGDBM

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Career objective

To seek a responsible and challenging position in an organization that would enable me to augment my acquired knowledge, bring to forefront my skills and offer opportunities for growth based on achievements and in turn avail the opportunity of self-development and learning.

Education

Year of passing	Qualification	Subjects/Specialization	School/College/ University/Institution	Total marks %/ CGPA
2009	SSC/10 th (CBSE)		Kendriya Vidyalaya Kunjaban	73%
2011	HSC/12 th (CBSE)	Physics, Chemistry, Biology, Hindi, English	Kendriya Vidyalaya Kunjaban	72%
2016	Graduation	B.Pharm	Nitte Deemed to be University, Karnataka, India	80%
2018	Post Graduation	M.Pharm (Pharmaceutical Chemistry)	Nitte Deemed to be University, Karnataka, India	80%
2022	Post Graduation	PGDBM (Post Graduate Diploma in Business Management)	NMIMS Deemed-to-be-University, Mumbai	72%
2021	Ph.D	Pharmaceutical Science	The Assam Royal Global University, Assam, India	Undergoing

Achievements

- 1) Secured All India Rank of 1071 in the Graduate Pharmacy Aptitude Test (GPAT) conducted in January 2016 by AICTE.
- 2) Got certificate from prime minister of India for selection under Prime minister Scholarship Scheme from National defense fund on merit basis.
- 3) Awarded with 2nd Prize for Oral presentation in ADTU Pharmacon 2019 held at Assam Downtown University, Guwahati.
- 4) Received Summer Research Fellowship 2020 by CSIR SRTP.
- 5) Received INSc-INSA-NASI 2021 Summer Research Fellowship by DST, Govt. of India.
- 6) Associated as Reviewer with Springer Nature, Elsevier, Taylor and Francis, Hindawi, IGI Global and Frontiers.

Work/Industrial Experience

- 1) Assistant Professor (Pharmaceutical Chemistry), Pratiksha Institute of Pharmaceutical Sciences, Guwahati, Assam-781026 (July 14th 2022 – till present).
- 2) Assistant Professor (Pharmaceutical Chemistry), NETES Institute of Pharmaceutical Science, Guwahati, Assam-781125 (March 16th 2020 – June 27th 2022).
- 3) Assistant Professor (Pharmaceutical Chemistry), Assam Downtown University, Guwahati-26, Assam (April 8th 2019 – March 7th 2020).
- 4) Research Analyst at Mylan Laboratories R&D center (Analytical Development Services), Hyderabad (July 16th 2018- April 1st 2019).
- 5) Bioanalytical officer at TEVA Pharmaceuticals, Bangalore (Apr 2018 to July 2018).
- 6) Project trainee at Mylan Laboratories R&D center (Analytical Development Services), Hyderabad (August 1st 2017 - February 23rd 2018).
- 7) One Month Industrial Training at Jenburkt Pharmaceuticals Ltd., Gujarat (June 20th to July 20th 2016).

Patents/Publications

- South African Patent Granted on BIOINFORMATICS PLATFORM FOR IDENTIFICATION OF QUERCETIN DERIVATIVES AS IMMUNITY BOOSTER MOLECULES AGAINST SARS COV-2 with Patent No 2022/00131.
- German Patent Granted on Composition of a novel multi epitope vaccine: an immunoinformatic approach to combat Puumala virus with Patent No 20 2022 104 033.
- K. Bhattacharya, P. Khanal, V.S. Patil, P.S.R. Dwivedi, N.R. Chanu, R.K. Chaudhary, A. Chakraborty, Computational pharmacology profiling of borapetoside C against melanoma, J. Biomol. Struct. Dyn. 0 (2023) 1–16. <https://doi.org/10.1080/07391102.2023.2213333>.
- P. Khanal, V.S. Patil, V. V. Bhandare, P.P. Patil, B.M. Patil, P.S.R. Dwivedi, K. Bhattacharya, D.R. Harish, S. Roy, Systems and in vitro pharmacology profiling of diosgenin against breast cancer, Front. Pharmacol. 13 (2023) 1–25. <https://doi.org/10.3389/fphar.2022.1052849>.
- Bhattacharya, K.; Shamkh, I.M.; Khan, M.S.; Lotfy, M.M.; Nzeyimana, J.B.; Abutayeh, R.F.; Hamdy, N.M.; Hamza, D.; Chanu, N.R.; Khanal, P.; et al. Multi-Epitope Vaccine Design against Monkeypox Virus

via Reverse Vaccinology Method Exploiting Immunoinformatic and Bioinformatic Approaches. *Vaccines* 2022, 10, 2010. <https://doi.org/10.3390/vaccines10122010>

- Bhattacharjee A, Debnath S, Sikdar P, Bhattacharya K. In silico screening, TLC bioautography and in vivo studies of *Zanthoxylum armatum* DC (Indian Prickly Ash) extract as a potential neuroprotective agent. *South African J Bot* 2022;150:997–1010. <https://doi.org/10.1016/j.sajb.2022.09.009>.
- Bhattacharya K, Bordoloi R, Chanu NR, Kalita R. In silico discovery of 3 novel quercetin derivatives against papain-like protease, spike protein, and 3C-like protease of SARS-CoV-2. *J Genet Eng Biotechnol* [Internet]. 2022;7. Available from: <https://doi.org/10.1186/s43141-022-00314-7>
- Bhattacharya, K., Mathew, J. Development and validation of stability-indicating UPLC method for the determination of gliclazide and its impurities in pharmaceutical dosage forms. *Futur J Pharm Sci* 7, 95 (2021). <https://doi.org/10.1186/s43094-021-00248-w>
- Bhattacharya K, Bhattacharjee A, Chanu NR. Effect of COVID-19 Pandemic on Mental Health: An Under-Realized Sociological Enigma Keywords COVID-19 · Mental health · Sociological · Economical · Pandemic ·. 2021;91–113.
- Chanu, NR., Bhattacharya, K., Marbaniang, D., Pal, P., Ray, S., Mazumder, B. Evaluation of a novel melatonin-loaded gelatin sponge as a wound dressing, *J. Vasc. Nurs.* (2021). <https://doi.org/10.1016/j.jvn.2021.09.004>.
- Bordoloi, R., Ahmed, A.B. & Bhattacharya, K. Pharmacoscintigraphic evaluation and antidiabetic efficacy of gliclazide-loaded ^{99m}Tc-labelled mucoadhesive microspheres. *Futur J Pharm Sci* 7, 229 (2021). <https://doi.org/10.1186/s43094-021-00376-3>
- Bhattacharya, K., Chanu, NR., Bhattacharjee, A., Bordoloi, R., Sahariah, BJ., Talukdar, A., Kalita, R. Quercetin for the Experimental Treatment of COVID-19, (2021) 69–87. <https://doi.org/10.4018/978-1-7998-7258-0.ch004>.
- Bhattacharjee, A., Chanu, N.R., Bhattacharya, K. COVID-19 Pandemic : A Pragmatic plan for Therapeutic Intervention. *Res J Pharm Sci Tech.* 15 (2022) 2862–2868. <https://doi.org/10.52711/0974-360X.2022.00478>.
- Bhattacharya, K., Bhattacharjee, A., Chanu, N.R., Dey, B.K., Devi, C.M., 2021. Phytochemical screening and anthelmintic activity of *Artocarpus altilis* extract. *Res. J. Pharm. Technol.* 14, 640–644. <https://doi.org/10.5958/0974-360x.2021.00114.1>
- Book Chapter (Akinik Publication)-Application of Computer Aided Drug Design in Drug Discovery (Recent Advances in Pharmaceutical Sciences, Vol-8) by Ramen Kalita, Amir Ali, Madhusmita Kumari, Kunal Bhattacharya, Satyendra Deka and Satyasish Sandilya.
- Book Chapter (Akinik Publication)- Phytoextracts and their secondary metabolite with Anti-Diabetic potential: A Review Focusing Traditional Medicinal Plants of Indian Subcontinent (Recent Trends in Medicinal Plant Sciences, Vol-6) by Dr. Atanu Bhattacharjee, Dr. Saikat Sen, Dr. Raja Chakraborty, Kunal Bhattacharya and Nongmaithem Randhoni chanu.
- Kalita, R., Bhattacharya, K., Ali, A., Sandilya, S. Quercetin as an antiviral weapon-A review, *J. Appl. Pharm. Res.* 9 (2021) 1–7. <https://doi.org/10.18231/joapr.2021.9.1.25.29>.
- Ali, N., Barbhuiya, AM., Bhattacharya, K., Sahariah, BJ., Comparative Study of Acid-Neutralizing Capacity of Different Brands of Antacid Tablets and Suspensions Available in Guwahati, India, 12 (2021) 35619–35625.
- Deka K, Deka B, Bhattacharya K. Determination of Ascorbic acid content of fruits and vegetables available in Assam , India. *Adv Biores.* 2022;13(1):105–9.
- Book (Books Clinic Publication) A REVIEW ON QUINAZOLINE HETEROCYCLES: A Pharmacophoric Scaffold by Biswajit Das, Ripunjoy Bordoloi, Kunal Bhattacharya and Faruk Alam.
- Book (Kindle Direct Publication)- A Practical Handbook of Medicinal Chemistry by Kunal Bhattacharya, Nongmaithem Randhoni Chanu, Dr. Atanu Bhattacharjee and Dr. Biplab Kumar Dey.

External Examiner

- 1) Tripura University
- 2) Assam Science and Technology University
- 3) Srimanta Sankaradeva University of Health Sciences

PG Dissertation

“Development and Validation of Stability Indicating Assay Method for Gliclazide by RP-UPLC”

Seminars/Conferences /Workshops Attended

- ✚ National Workshop on Safe Animal Handling and Training organized by NETES Institute of Pharmaceutical Science on 14th May 2022 at Guwahati, Assam.
- ✚ Three days National Level FDP on Online College Management & Online Content Creation Tools on 30th April, 1st & 2nd May 2020 conducted by Lala Lajpat Rai College of Commerce & Economics and University of Mumbai in association with North Storm Academy.
- ✚ Two day workshop on Online Basic Training on Use of ICT in Teaching on 20 & 23 April 2020 conducted by Tezpur University.
- ✚ Two day National seminar on “Advancement in Healthcare Management: Traditional Knowledge to Contemporary Drug Technology” held at Assam Downtown University on 29th-30th March 2019.
- ✚ Two day international Conference on “Green Chemistry and Nano Technology Opportunities and Challenges” at St. Aloysius College held on 27th-28th Feb 2017 organized by department of chemistry and DDU Kaushal Kendra.
- ✚ Two day national conference on “Role of Organic Chemical Intermediates in cognitive disorders and mental health” sponsored by ICMR held on 17th-18th Feb 2017 organized by Nitte University.
- ✚ One day seminar on “Role of CADD in Drug Design and Development” held at Nitte University on 26th November 2015.

Posters/Papers/Oral Presentations

- ✚ Oral presentation of research work entitled **“In Silico Discovery of 4 Anti-Melanoma Phytoconstituents from *Diplazium esculentum* using Network Pharmacology & Bioinformatics Approach”** in National conference on Drug Discovery and In-Silico Drug Design held on 18th Nov 2022 at The Assam Royal Global University, Guwahati, Assam, India.

- Oral presentation of paper entitled **“Development and Validation of Stability Indicating Assay Method for Gliclazide by RP-UPLC”** in ADTU Pharmacon 2019 at Assam Downtown University, Guwahati, Assam, India.
- Presented a poster titled **“Stability indicating RP-HPLC method for simultaneous estimation of Olopatadine and Montelukast”** in the International Conference on “Green Chemistry and Nano Technology Opportunities and Challenges” at St. Aloysius College held on 27th-28th Feb 2017 organized by department of chemistry and DDU Kaushal Kendra, Mangalore, Karnataka, India.

Key Skills

Professional

UPLC & HPLC ●●●●
 Immunoinformatics ●●●●
 Bioinformatics ●●●●
 Method Development ●●●●
 Network Pharmacology ●●●●

Related

Assay ●●●●
 Dissolution ●●●●
 Simulation studies ●●●●
 Empower 3 ●●●●
 Computer skills ●●●●

Personal

Team Player ●●●●
 Determined ●●●●
 Result Oriented ●●●●
 Communication skill ●●●●
 Professional ●●●●

Areas of Interest

Analytical Research & Development

Bioinformatics &
Immunoinformatics

Computational Chemistry

References

Dr. Atanu Bhattacharjee

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 Royal School of Pharmacy
 Royal Global University, Guwahati
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Dr. Jane T Jacob

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Declaration

I, hereby certify that to the best of my knowledge and belief, the resume correctly describes my qualifications and me.



Kunal Bhattacharya