

## Curriculum Vitae

1. Name and full correspondence address: **Dr. Diwakar Kumar, Associate Professor,  
Department of Microbiology, Assam University, Silchar, Assam-788011**

2. Academic Qualification.

	Degree	Subject	University
1.	<b>B.Sc.</b>	<b>Biotechnology</b>	<b>Patna University</b>
2.	<b>M.Sc.</b>	<b>Biotechnology</b>	<b>Madurai Kamaraj University</b>
3.	<b>PhD</b>	<b>Microbiology</b>	<b>University of Delhi South Campus</b>

3. Work experience.

S. No.	Positions held	Name of the Institute/ University	From	To
1.	<b>Assistant Professor</b>	<b>Assam University, Silchar</b>	<b>2015</b>	<b>2021</b>
2.	<b>Associate Professor</b>	<b>Assam University, Silchar</b>	<b>2021</b>	<b>Present</b>

3. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S. No.	Name of Award	Awarding Agency
1.	<b>CSIR-NET, JRF (DBT-JRF, ICMR-JRF, DBT-SRF)</b>	<b>CSIR, ICMR &amp; DBT</b>

5. Ongoing/ Completed Research Projects:

S.No.	Title	Cost (rupees)	Duration	Agency
1.	UGC Start Up Grant, UGC, GOI	6.0 lakhs	2016-2018	UGC, Govt. of India
2.	ECR, SERB-DST, GOI	42.89 lakhs	2016-2019	DST, Govt. of India
3.	DBT-Twinning, DBT, GOI	~ 120.0 lakhs	2016-2019	DBT, Govt. of India
4.	DBT-Twinning, DBT, GOI	~ 84 Lakhs	2019-2022	DBT, Govt. of India

6. Selected peer-reviewed Publications:

- Bhowmik, D., Nandi, R., Prakash, A., Kumar, D. (2021) Evaluation of flavonoids as 2019-ncov cell entry inhibitor through molecular docking and pharmacological analysis. **Heliyon**. Article e06515
- Saha, S., Nandi, R., Vishwakarma, P., Prakash, A., Kumar, D. (2021). Discovering potential RNA dependent RNA polymerase inhibitors as prospective drugs against COVID-19: an in silico approach. **Front. Pharmacol.**
- Bhowmik D, Sharma RD, Prakash A, Kumar D. (2021). Identification of Nafamostat and VR23 as COVID-19 drug candidates by targeting 3CL<sup>pro</sup> and PL<sup>pro</sup>. **J Mol Struct.**
- Bhowmik, D., Jagadeesan, R., Rai, P., Nandi, R., Gagan, K., & Kumar, D. (2020). Evaluation of potential drugs against leishmaniasis targeting catalytic subunit of *Leishmania donovani* nuclear DNA primase using ligand based virtual screening, docking and molecular dynamics approaches. **Journal of biomolecular structure & dynamics.**
- Bhowmik, D., Nandi, R., Jagadeesan, R., Kumar, N., Prakash, A., Kumar, D. (2020) Identification of potential inhibitors against SARS-CoV-2 by targeting proteins responsible for envelope formation and virion assembly using docking based virtual screening, and pharmacokinetics approaches. **Infection, Genetics and Evolution.**
- Sinha, M., Jagadeesan, R., Kumar, N., Saha, S., Kothandan, G., Kumar, D. (2020). In-silico studies on Myo inositol-1-phosphate synthase of *Leishmania donovani* in search of anti-leishmaniasis, **Journal of Biomolecular Structure and Dynamics.**

7. Research Areas of Interest:

**Molecular Microbiology, Structural Bioinformatics in Drug Discovery**