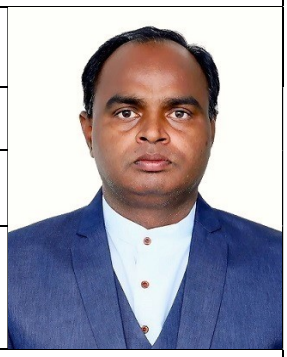
Dr. Kiran Kumar. A



Title	Dr.	First Name	Kiran	LastName	Kumar. A
Designation	Assistant Professor				
School/Dept.Name	Biochemistry				
Address:	Arogyadham, Balapar Road, Sonbarsa, Gorakhpur-273007, Uttar Pradesh				
PhoneNo.	Office	+91 8179625310 (Mobile)			
	Residence	(optional)			
	Mobile	(optional)			
Email	kirankumar.ahs@mgug.ac.in				
WebPage(ifany)					
SubjectsTaught	Molecular Biology, Biotechnology, Biochemistry				
AreasofInterest/Specialization	Drug design, Molecular modelling, Machine Learning, Artificial Intelligence, Proteomics, Bioinformatics, Microbiology, Biochemistry, and Biotechnology.				
Experience(inyears)	Total	5 Years (Excluding Ph.D.)			
	Industry				
	Teaching				
	Research	5 Years (Plant Microbiology)			
EducationalQualifications	UG	B.Sc., Microbiology, Botany, Chemistry			
	PG	M.Sc., Biochemistry			
	Doctorate	Ph.D. Bioinformatics			
	Anyother				
ResearchPublications inJournals (last5years)	1. Kumar A, K., & Rathore, R. S. (2023). Categorization of hotspots into three types - weak, moderate and strong to distinguish protein-protein versus protein-peptide interactions. Journal of biomolecular structure & dynamics, 1–13. Advance online publication. https://doi.org/10.1080/07391102.2023.2252077				

	2. Kiran Kumar, A., Shayaz Karim, S.M., Kumar, Mayank., & Rathore, R.S. (2023). Prediction of transient and permanent protein interactions using AI methods. Bioinformation, 19(6), 749–753. https://bioinformation.net/019/97320630019749.pdf 3. Potshangbam, A. M., Nongdam, P., Kumar, A. K., & Rathore, R. S. (2021). Phenylbenzopyrone of Flavonoids as a Potential Scaffold to Prevent SARSCoV-2 Replication by Inhibiting its MPRO Main Protease. Current pharmaceutical biotechnology, 22(15), 2054–2070. https://doi.org/10.2174/1389201022666210127113027 4. Kiran Kumar. A., & R.S Rathore (2024). Discrimination of Protein-Protein and Protein-Peptide Interactions using Machine Learning Methods (Preprint) 5. Kiran Kumar. A., & R.S Rathore (2024). PPI and PPepI specific side chain conformation preferences and implications in peptides and biologics design (Preprint) **Patent:** 6. A. Kiran Kumar., Kumar, Mayank., & Rathore, R.S. (2023). A quick and efficient approach to discover peptide and small molecule-based modulators of protein-protein interaction, Application No. 202331067473, Published Date: 10/11/2023, Office of the Controller General of the patents, Designs and Trade, India

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<tr><td>PapersPublishedinConferenceProceedings(last5years)</td><td colspan="5">1. Kiran Kumar. A, Prediction of Protein-Peptide Interactions with Supervised Machine learning Methods (May 6th -7th, 2022). Proceedings of International Conference on Recent Advances in Biomedical Sciences and Regenerative Medicine (RABSRM-2022), Srinagar, India.

2. Kiran Kumar. A, Machine learning Prediction of Transient and Permanent Protein Interactions using Weka (January 29-30, 2021). Proceedings of Two-Day Online National Conference on Biological, Biochemical, Biomedical, Bioenergy and Environmental Biotechnology (NCB4EBT-2021, NIT, Warangal, India.)

3. Kiran Kumar. A, Prediction of Protein-Peptide Interactions with Supervised Machine learning Methods (May 6th -7th, 2022). Proceedings of International Conference on Recent Advances in Biomedical Sciences and Regenerative Medicine (RABSRM-2022), Srinagar, India.</td></tr>
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