

1.	Name of the Faculty member	Dr. Atul Kumar Jaiswal	
2.	Designation	Assistant Prof. Bioinformatics (Contract)	
3.	Qualifications	Ph.D.	
4.	State of Domicile	Uttar Pradesh	
5.	Department & School	Department of Computer Science and Engineering, School of engineering science and technology	
6.	Details of Courses taught	1. Proteomics and Metabolomics 2. Chemoinformatics, chemogenomics and immunoinformatics	
7.	Research Thrust Areas	Computational Structural Biology, Computational chemistry, sequence analysis, multi-omics studies	
8.	Emails	atulkjaiswal@jamiahamdard.ac.in atulj91@gmail.com	
PUBLICATIONS			
9.	Publications in peer reviewed National & International journals, Citations, H-index	<p>1. Singh, Prem Pratap, Atul Kumar Jaiswal, Akshay Kumar, Vishal Gupta, and Bhanu Prakash. "Untangling the multi-regime molecular mechanism of verbenol-chemotype Zingiber officinale essential oil against Aspergillus flavus and aflatoxin B1." <i>Scientific Reports</i> 11, no. 1 (2021): 6832.</p> <p>2. Kumar, Manu, Sandeep Kumar Singh, Prem Pratap Singh, Vipin Kumar Singh, Avinash Chandra Rai, Akhileshwar Kumar Srivastava, Livelyen Shukla Atul Kumar Jaiswal, Sang-Min Chung and Ajay Kumar. "Potential anti-Mycobacterium tuberculosis activity of plant secondary metabolites: insight with molecular docking interactions." <i>Antioxidants</i> 10, no. 12 (2021): 1990.</p> <p>3. Jaiswal, Atul Kumar, Rakesh Srivastava, Preeti Pandey, and Pradipta Bandyopadhyay. "Microscopic picture of water-ethylene glycol interaction near a model DNA by computer simulation: Concentration dependence, structure, and localized</p>	

		<p>thermodynamics." <i>PloS one</i> 13, no. 11 (2018): e0206359.</p> <p>4. Jaiswal, Atul Kumar, and Annangarachari Krishnamachari. "Physicochemical property based computational scheme for classifying DNA sequence elements of <i>Saccharomyces cerevisiae</i>." <i>Computational Biology and Chemistry</i> 79 (2019): 193-201.</p> <p>5. Jaiswal, Atul Kumar, Syed Hussain Abbas Husaini, Amarjeet Kumar, and Naidu Subbarao. "Designing novel inhibitors against <i>Mycobacterium tuberculosis</i> FadA5 (acetyl-CoA acetyltransferase) by virtual screening of known anti-tuberculosis (bioactive) compounds." <i>Bioinformation</i> 14, no. 6 (2018): 327.</p> <p>6. Jaiswal, Atul Kumar, and Bhanu Prakash. "Bioinformatics approaches: elucidation of novel sites of action, toxicity prediction tool, and perception of bioactive compounds." In <i>Green Products in Food Safety</i>, pp. 309-327. Academic Press, 2023.</p> <p>7. Vora, Dhvani Sandip, Atul Kumar Jaiswal, and Durai Sundar. "Implementing accelerated dynamics to unravel the effects of high-fidelity Cas9 mutants on target DNA and guide RNA hybrid stability." <i>Journal of Biomolecular Structure and Dynamics</i> (2022): 1-13. (equal author)</p> <p>Total Number of citation: 42 H-Index: 04</p> <p>For Publications Profile view at: https://scholar.google.com/citations?user=AYidm0wAAAAJ&hl=en</p> <p>https://orcid.org/0000-0002-8690-9279</p>
BOOKS & BOOK CHAPTERS PUBLISHED		
10.	Number of books published by National publisher	
11.	Number of books published by international publisher	

12.	Number of Book Chapters in Edited books of National Publishers	
13.	Number of Book Chapters in Edited books of International Publishers	1, Elsevier
RESEARCH GRANTS AND CONSULTANCY PROJECTS		
14.	Number of research grants from govt. funding agencies as PI/Coordinator	
15.	Number of research grants from govt. funding agencies as Co-PI	
16.	Number of research grants from International and private sources as PI	
17.	Number of consultancy projects	
RESEARCH SUPERVISION		
As Supervisor		
18.	Number of Ph.D. Guided	
19.	Number of Master's theses/dissertations Guided	
As Co-supervisor		
20.	Number of Ph.D. Guided	
21.	Number of Master's theses/dissertations Guided	
PATENTS		
22.	Number of Patents Granted	
23.	Number of Patents Applied for	
PRESENTATIONS IN CONFERENCES AS SPEAKER/ RESOURCE PERSON		

24.	Number of presentations in National or International Conferences in India	1 oral presentation at 17h International Conference Bioinformatics held at Jawaharlal Nehru University, New Delhi, India on September 26-28, 2018.
25.	Number of presentations in International Conferences abroad	
NATIONAL AWARDS, HONOURS AND FELLOWSHIPS RECEIVED		
26.	Oral presentation award in 17h International Conference Bioinformatics held at Jawaharlal Nehru University, New Delhi, India on September 26-28, 2018.	
INTERNATIONAL AWARDS, HONOURS AND FELLOWSHIPS RECEIVED		
27.		
STAFF DEVELOPMENT/REFRESHER/SHORT TERM TRAINING PROGRAMME/WEBINARS ORGANIZED		
28.		
MEMBER(S) OF NATIONAL COMMITTEES		
29.		
MEMBER(S) OF INTERNATIONAL COMMITTEES		
30.		
ADMINISTRATIVE RESPONSIBILITIES/ PARTICIPATION IN COMMITTEES OF JAMIA HAMDARD		
31.		
ANY OTHER		
32.		