


CURRICULUM VITAE

Updated: January 27, 2025

Md. Imtaiyaz Hassan, Ph.D., FRSB., FRSC. <i>Professor</i> <i>Group Leader: Structural Biology Laboratory</i> <i>Scopus ID: 7401625549</i> <i>ORCID: 0000-0002-3663-4940</i>					
Publication Statistics					
Total Research publications		Book Chapters	Total Citations	H-Index	I ₁₀ Index
541		34	19,419	67	378
A	Contact Information		Center for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia Jamia Nagar 110 025, New Delhi, India		
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	Web page		https://hassanlab.org		
B	Research Interests		<ul style="list-style-type: none">• Drug design and discovery• Protein folding and dynamics• Structural Bioinformatics		
C	Highlights of the Lab	<ul style="list-style-type: none">• Identification and validation of potential drug targets.• Design and development of potent and selective kinase inhibitors.• Understanding the mechanism of folding and dynamic behavior of drug targets.			
D	Personal Information				
	Year of Birth			1980	
	Marital status			Married	
E	Education				
	B. Sc. in Chemistry (2001) from Aligarh Muslim University, Aligarh with First Class.				
	M. Sc. in Biotechnology (2003) from Aligarh Muslim University. (Gold Medal) .				
	Ph.D. in Structural Biology (2007) from Department of Biophysics, AIIMS, New Delhi (Gold Medal) .				
F	Details of Employment				
	2023-till date		Professor, Jamia Millia Islamia, New Delhi, India		
	2020-2023		Associate Professor, Jamia Millia Islamia, New Delhi, India		
	2018-2020		Assistant Professor (Stage 3), Jamia Millia Islamia, New Delhi, India		
	2009- 2018		Assistant Professor (Stage 1 & 2), Jamia Millia Islamia, New Delhi.		
	2011-2011		Fellow of Indo-US Science and Technology Forum at Saint Louis University, Saint Louis, Missouri, USA		
	2007-2009		Young Scientist, Jamia Millia Islamia, New Delhi, India		
	2005-2007		Senior Research Fellow, AIIMS, New Delhi India		

	2003-2005	Junior Research Fellow, AIIMS, New Delhi India
G	Research Experience	
	Cell and Molecular Biology, Biophysics, Molecular Spectroscopy, X-Ray Crystallography, Protein Folding Kinetics, X-ray crystallography, Structural Bioinformatics, and Medicinal Chemistry.	
H	Teaching Experience 17 years	
	Molecular Cell Biology, Bioinformatics, Biochemistry, Molecular Biology, Genomics and Proteomics, Structural Biology, Experimental Techniques, Drug design and discovery	
I	Ph. D. Thesis/Post doc Supervised	
	Post-doctoral Mentorship	10
	Ph.D. Degree Awarded under main supervision	10
	Ph.D. Degree Awarded under Co-supervision	18
	Ph.D. Students registered under main supervision	7
	Ph.D. Students registered under Co-supervision	8
J	Dissertations supervised at UG and PG level: 240 Students (Six Months dissertation)	
K	Award and Honors	
	2023	Selected among top 2% scientist from the last 5 years.
	2022	Prof. Rita Mulherkar Lecture Award for year 2020.
	2021	Selected among top 2% scientists of the world.
	2019	Elected as a Fellow of Royal Society of Chemistry (UK).
	2019	Elected as a Fellow of Royal Society of Biology (UK).
	2019	Best oral presentation in the 2nd Asia-Pacific CardioMetabolic Syndrome Congress Seoul, Korea.
	2018	Selected as an 'OUTSTANDING RESEARCHER in Biophysics' by VIHA 2018
	2018	Top 10 "Most outstanding Researchers" in the field of Biochemistry, Genetics and Molecular Biology by Career360.
	2017	Received ICMR International Fellowship for Indian Biomedical Scientists.
	2016	Elected as member of National Academy of Science India, Allahabad.
	2011	Received Indo-US fellowship from IUCSSF, DST India.
	2009	Ph.D. gold medal from All India Institute of Medical Sciences
	2007	Department of Science and Technology (DST)- Young Scientist award
	2003	University gold medal for scoring highest marks in M.Sc.
	2003	OBAID BIN SAYEED GOLD MEDAL in M.Sc. Biotechnology
L	Members of Scientific Societies	
	Indian Biophysical Society (Vice-President)	
	Protein Society (General Secretary)	
	Bioinformatics and Drug Design Society (Joint Secretary)	
	Indian Academy of Biomedical Sciences. (Life Member)	
	Indian Crystallography Association (Life Member)	
	Indian Science Congress (Life Member)	
	Society for Biological Chemists, India (Life Member)	
	Indian Society of Cell Biology (Life Member)	

	The Biotech Research Society, India (Life Member)	
	Proteomics Society India (Life Member)	
	National Academy of Biological Sciences (Life Member)	
	American Chemical Society	
M	Invited talk/Oral presentations	
1.	2011	National symposium on Biomolecular drug targets, Aligarh Muslim university, Aligarh on March 7-9, 2011
2.	2012	Annual Meeting of the Indian Biophysical Society held on January 19 – 21, 2012 at Madras University, Chennai.
3.	2012	5 th International Symposium on Recent Trends in Macromolecular Structure and Function (ISRTMSF-2012) on January 23 – 25, 2012 at Madras University, Chennai
4.	2012	National Conference on Biology and Bioinformatics of Economically Important Plant and microbes (BBCon2012) at University of North Bengal, Siliguri, February 17-19, 2012.
5.	2012	National Symposium on Biomolecular Interaction and Drug Discovery & Workshop on Current Trends in Bioinformatics, AMU, Aligarh, March 21-22, 2012.
6.	2012	81 st Annual meeting of the Society of Biological chemists (India) to be held during November 8-11 at Kolkata.
7.	2013	International Conference on “Emerging Trends in Biomarker Research – Prospects & Challenges” September 13 th and 14 th , 2013 Organized by Jawaharlal Nehru Institute of Advanced Studies, Secunderabad.
8.	2014	National Seminar on “Plant Biotechnology: Challenges and Opportunities in 21 st Century” to be held from March 3 rd & 4 th , 2014, Jamia Hamdard, New Delhi
9.	2014	9 th International Symposium on Fuels and Lubricants organized by the Indian Oil Corporation Limited, Faridabad 121007, Haryana, India during 15-17 April 2014.
10.	2014	Bioworld2014, Protein Structure and Function Organized by Kusuma School of Biological Sciences, Indian Institute of Technology Delhi New Delhi.
11.	2015	6 th World Congress on Biotechnology, October 05-07, 2015, New Delhi.
12.	2015	Recent Developments in Medical Biotechnology and Structure-Based Drug Designing 2015 (RDMBSBDD-2015)” held at the Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati during December 6-7, 2015.
13.	2016	Workshop on “Bioinformatics in Drug Discovery” as part of the ICMR Bio-Medical Informatics activity on Feb 2 – 3, 2016, organized by the Department of Biophysics, All India Institute of Medical Sciences, New Delhi
14.	2016	Annual Meeting of Indian Biophysical Society: Molecules in living cells: basis of function, during 8-10 February 2016 at the Indian Institute of Science, Bangalore.
15.	2016	1 st International Conference on Human Implications of Biotechnology Centre for Biological Sciences, Central University of South Bihar February 12-14, 2016 in Patna.
16.	2016	International Conference on “Emerging Trends in Biomedical Sciences” (ETBS-2016) to be held on March 6-8, 2016, organized by Department of Biochemistry, Aligarh Muslim University, Aligarh-202002 (UP), India
17.	2016	National Symposium cum Bioinformatics Workshop on Macromolecular Structure, Function, Interaction and Prediction held during March 29-30, 2016, organized by the Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh
18.	2016	DeMon2016 Workshop, 4-7 May 2016 at Henan University, Zhengzhou, China.
19.	2017	International Conference on “Structure and Dynamics of Biomolecules” during January 27-28, 2017 at DDU, Gorakhpur.
20.	2017	9 th National Symposium cum Workshop – SBCADD’2017, Feb 14-17, 2017, Department of Bioinformatics, Alagappa University, Karaikudi- 630004.

21.	2017	National Seminar on Biotechnology in Health Care: Challenges and Opportunities organized by the Department of Biotechnology, Jamia Hamdard on March 18-19, 2017.
22.	2017	National Symposium cum Bioinformatics Workshop on Current Trends in Proteomics and Bioinformatics organized by the Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh on 16-17 March 2017.
23.	2017	4 th International Conference on Emerging Trends in Protein Science & Proteomics: GenoPro2017 organized by the Invertis University, Bareilly.
24.	2018	10 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” [SBCADD’2018] organized by the Department of Bioinformatics, Alagappa University, Karaikudi scheduled to be held during 20 th –23 rd February 2018.
25.	2018	3 rd International Conference on Nutraceuticals and Chronic Diseases (September 14 - 16, 2018) Cancer Research Institute, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun, India
26.	2018	International Conference on Bioinformatics organized by Jawaharlal Nehru University, New Delhi on 26-28 September 2018.
27.	2018	International Congress of Diabetes and Metabolism organized by the Koran Diabetes Association on 11-13 October 2018 at Grand Hilton Seoul Hotel, Seoul, South Korea
28.	2019	11 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design and 2 nd Annual Meeting of Bioinformatics and Drug Discovery Society [BIDDS] from 12 th – 15 th February 2019, Alagappa University, Karaikudi, TN.
29.	2019	The 2 nd APCMS (Asia-Pacific CardioMetabolic Syndrome) Congress (APCMS 2019) will be held on February 22-23, 2019 at the Grand Hilton Hotel, Seoul, Korea.
30.	2019	Recent Advancements in Biochemical Engineering and Biotechnology organized by School of Biochemical Engineering, IIT (BHU) Varanasi during 15-16 March 2019.
31.	2019	National Conference on “Emerging Trends in Disease Model Systems” during March 25-26, 2019 organized by National Centre for Cell Science, Pune.
32.	2019	National Seminar on “Biotechnology Research in India-Current Status and Future Prospects”, held at Jamia Hamdard, New Delhi on 26 th -27 th March 2019.
33.	2019	7 th Biennial Congress of the Asian-Pacific Hepato-Pancreato-Biliary Association (A-PHPBA 2019) Held during September 4-7, 2019 at Coex, Seoul, South Korea.
34.	2019	8 th International Congress on Lipid & Atherosclerosis (IcoLA 2019) and 8 th Conference of the Korean Society of Lipid & Atherosclerosis, held at the Conrad Hotel in Seoul, Korea from September 5 to 7, 2019.
35.	2019	National Conference on Insect-Plant Biology in 21 st Century” held on November 4-5, 2019 at Deshbandhu College, Delhi University
36.	2019	Seminar on drug design and discovery organized by the Department of Biotechnology, PGDAV College, Muzaffarnagar on 8 th November 2019.
37.	2019	Recent advances and current trends in Biological sciences, organized jointly by PG department of Zoology and Botany, M. S. College, Motihari on 11-12 th November 2019.
38.	2019	National Conference on Translational Research Current and Future Perspectives Gautam Buddha University, Greater Noida on 16-17 th November 2019.
39.	2020	International Conference on “Contemporary Islamic Thought and Societal Reforms through Education” on February 1-2, 2020 at the Constitution Club of India, New Delhi
40.	2020	International Conference on Corona Viral Genomics organized by Bengaluru Genomics Center (BGC) and Sarvasumana Association from 7 th June to 10 th June 2020.

41.	2020	Virtual conference The World After- From Things to life organized by Dassault Systèmes, USA.
42.	2020	Coronavirus Pandemic and its Impact on Human Life organized by Department of Life Sciences, Central University of Karnataka, Kalaburagi 585311, Karnataka, INDIA
43.	2020	2 nd World Conference on Advances in COVID-19 organized by Bengaluru Genomics Center, Bengaluru, India and High Altitude Pulmonary and Pathology Institute (HAPPI-IPPA), Bolivia, South America during 28-30 August 2020.
44.	2020	Refresher Course in “Life Sciences” organized by UGC-HRDC, MANUU on 19 th September 2020.
45.	2020	International Seminar on COVID-19 challenges before mankind: Victory beyond the defeat. Organized by the Netaji Suchash Chandra Bose Government Girls PG College, Aliganj, Lucknow on October 10, 2020.
46.	2020	Bio-Illumination: Talk 9 scheduled on 31 st October 2020 at Department of Biological Sciences, Aliah University, Kolkata.
47.	2020	International Symposium on Bioinformatics and Artificial Intelligence in Covid-19 era and beyond organized by the Centre for Computational Biology and Bioinformatics, Amity Institute of Biotechnology, Amity University Noida, held on November 24-25, 2020.
48.	2020	One Week Workshop on Research Methodology organized by UGC-Human Resource Development Centre, Jamia Millia Islamia New Delhi on Interdisciplinary Research on 22.12.2020.
49.	2020	International Bioinformatics E-Workshop organized by Department of Biotechnology Delhi Technological University on 18.12.2020.
50.	2020	Seminar on structure-based drug design and discovery organized by Government Degree College, Baramula.
51.	2021	UGC-Human Resource Development Centre, Jamia Millia Islamia, “Interdisciplinary Research” in the online 3 rd One Month Faculty Induction Programme. 25.02.2021
52.	2021	DBT Sponsored National Workshop Under Star College Scheme on MOLECULAR DOCKING held on 31 st March. Organized by the Department of Microbiology, Ram Lal Anand College, Delhi University.
53.	2021	Structure based drug designing and discovery Workshop held on 22 nd March. Organized by the Department of Microbiology, Institute of Home Economics, Delhi University.
54.	2021	National Webinar on Genomics and Proteomics organized by Department of Biotechnology, Kalinga University, Raipur on 28 th August 2021. Basic concept of Drug design and discovery.
55.	2021	Biology Department Seminar Series on Therapeutic Targeting of Human Kinases, A structure-based approach at UAE University, Al-Ain. October 14, 2021.
56.	2021	Design and development of high affinity kinase inhibitors: From theory to therapy organized in Azadi Ka Amrit Mahotsav by Department of Microbiology, Tripura University on 30 th October 2021.
57.	2021	National Workshop on Advanced Research Techniques for Cellular and Molecular Systems in Neuroscience. Concept of docking in drug discovery on 14 th December 2021. Organized by Jamia Hamdard, New Delhi.
58.	2021	Faculty Development Activity. Methods for Data Analysis and Paper Writing Skills on 14 th December 2021 organized by General Studies Department, Royal Commission of Jubail and Yanbu, KSA.

59.	2021	Workshop on “Computational Biology and Network Pharmacology: New Horizon in Drug Discovery” on 22 nd December 2021, organized by DBT-Bioinformatics Centre, Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab.
60.	2021	Online lecture on ‘Interdisciplinary and collaborative research projects’ on 27.12.2021 to the participants of 7th online One Month Faculty Induction Programme from 10 December 2021 to 08 January 2022 organised by the UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi.
61.	2022	Online lecture on ‘Interdisciplinary Research’ on 04.03.2022 to the 8th One month Faculty Induction Program organised by the UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi.
62.	2022	Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) Program on 10 th March 2022, organized by Jamia Hamdard, New Delhi
63.	2022	Annual Fest SYNAPSE 2022, Organized by Synergia Life Science Society, Deshbandhu College, University of Delhi, New Delhi.
64.	2022	1st International Conference on Genomics of Animal Gut Microbes on 22 nd June 2022 organized by National Institute for Genomics Advanced Biotechnology (NIGAB) , National Agricultural Research Centre, (NARC), Islamabad.
65.	2022	9th Online Faculty Induction Programme, on 25 th June 2022 organized by Human Resource Development Centre, Jamia Millia Islamia, New Delhi.
66.	2022	Biotech Innovation Ignition School-12 (BIIS-12), 30th June 2022, organized by BIRAC SITARE-BIIS program, Society for Research and Initiatives for Sustainable Technologies and Institutions, Ahmedabad, Gujarat.
67.	2022	3rd Online 2-Week Refresher Course in Basic Sciences from August 2 to 18, 2022. Organized by The Human Resource Development Centre, Jamia Millia Islamia on 6.08.2022.
68.	2022	Webinar On Structure-Based Drug Design and Development: Computational Methods And Protocols organized by JIS Institute of Advanced Studies and Research Kolkata, on 27.08.2022.
69.	2022	Computational Methods in Advancing Agricultural Research 11 th October 2022 organized by National Institute for Genomics Advanced Biotechnology (NIGAB), National Agricultural Research Centre, (NARC), Islamabad.
70.	2022	11th Online Faculty Induction Programme from 01 November to 29 November, 2022 organized by UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi.
71.	2022	2nd International Conference cum workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (ICSBCADD’2022) during 21st – 25th, November 2022 organized by the Department of Bioinformatics, Alagappa University Karaikudi, Tamil Nadu, India.
72.	2022	Hands-on training under DST-STUTI Program from 20th – 26th December, 2022 in Dept. of Toxicology, School of Chemical Life Sciences.
73.	2023	Workshop on Data Science in Drug Discovery organized by Bioinformatics Facility, NCCS Pune on 5th February 2023.
74.	2023	International Conference on Unani Medicine as part of celebrations of Unani Day 2023, in hybrid mode on February 10-11, 2023 at Vigyan Bhawan, New Delhi by Central Council for Research in Unani Medicine (CCRUM), Ministry of AYUSH, Government of India.

75.	2023	5-days Faculty Development Programme (FDP) under the theme “Innovation in Health Sciences: Challenges and Future Trends” from February 13-17, 2023, by Faculty of Allied Health Sciences (FAHS) SGT University, Gurugram.
76.	2023	Talks on Research Innovation organized by School of Life Sciences, Manipur University on 11 th February 2023.
77.	2023	Climate Change Impacts and Sustainable Development in a conference on India and G20 Summit: Setting the agenda for Inclusive Future” held on 19th August 2023 at Institute of Objective Studies, New Delhi.
78.	2023	International Conference on Structural Biology and Drug Discovery (ICSBDD-2023) 11-12 th October, 2023 organized by School of Biotechnology, Gautam Buddha University, Greater NOIDA, Gautam Budha Nagar, Uttar Pradesh-201312 (INDIA)
79.	2023	Three days online workshop entitled "Protein Modelling: A Rational Tool for Drug Discovery and Development" organized by DBT-Bioinformatics Centre, Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, Punjab on 31st October 2023.
80.	2023	5-Day FDP (Faculty Development Program) on "Advances and Innovations in Biotechnology" during 27 Nov - 1st Dec 2023, organized by Centre for Bio-Separation and Technology, Vellore Institute of Technology (VIT), Vellore
81.	2023	Global Bio-India (GBI) 2023 from 4-6 December 2023 at Bharat Mandapam, Pragati Maidan, New Delhi on “Transforming Lives-Biosciences to Bioeconomy”.
82.	2023	Structural dynamics of protein in faculty induction program organized by Department of Veterinary Biochemistry, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Srinagar on 12 th December 2023.
83.	2024	Current Trends in Research and Research Paradigms in the online 2-Week Refresher Course in Teacher Education organized by HRDC, Jamia Millia Islamia, New Delhi on 9 th January, 2024.
84.	2024	Keynote speaker at the RSG-India's CBIInd 2023-24 Symposium, organized by Department of Biophysics, University of Delhi South Campus, New Delhi, India on 10 th January, 2024.
85.	2024	International Conference on Microbial Technologies for Sustainable Bioeconomies organized by Department of Biochemistry, Central University of Rajasthan on January 31, 2024.
86.	2024	Hands-on Training workshop in Bioinformatics focusing on Genomics, Metagenomics and Proteomics Analysis organized by the School of Allied Sciences, Dev Bhoomi Uttarakhand University on February 3, 2024.
87.	2024	National Workshop 2024 on Capacity Building of AYUSH professionals organized by the Centre of Excellence in Unani Medicine, Jamia Hamdard, on February 23-25, 2024.
88.	2024	SERB-sponsored workshop (KARYASHALA) “Advanced hands-on workshop on recombinant protein production, structural and functional studies”, held at Amity University Rajasthan, India, from 11-17 March 2024.
89.	2024	Three-day workshop entitled "BIC and NNP workshop on Big Data Analysis and Machine Learning" at the National Institute of Plant Genome Research (NIPGR), New Delhi on March 13-15, 2024.
90.	2024	Hands-on Training on 18th April 2024 in One Week SNCI-STUTI Workshop on “Translational Neuroscience: Bridging Gap between Bench to Bedside” organized by the Society for Neurochemistry India (SNCI) Delhi at Jamia Hamdard, New Delhi.
91.	2024	Online One-month Faculty Induction Programme from 01 February to 01 March 2024 at The Malaviya Mission Teacher Training Centre, Jamia Millia Islamia.

92.	2024	The 12th Online Faculty Induction Programme, from 01 February to 28 February 2023, was organized by The Malaviya Mission Teacher Training Centre, Jamia Millia Islamia.
93.	2024	Whole Exome sequencing in clinical settings - Hands-on workshop organized by CMR-National Institute of Cancer Prevention and Research on September 24, 2024.
94.	2024	Short Term Course on Bioinformatics: Basic to Advance organized by Department of Zoology, Bhaskaracharya College of Applied Sciences, Delhi University on October 1, 2024.
95.	2024	8 Days The Malaviya Mission Teacher Training Centre organized Online Training Programme on NEP Orientation & Sensitization Programme, Jamia Millia Islamia on 23.09.2024.
96.	2024	A one-week workshop on Advanced Drug Designing and Computational Biology by the Department of Chemistry, Jamia Millia Islamia, New Delhi, on September 26, 2024.
97.	2024	Online 2-Week Refresher Course in Basic Science (Interdisciplinary) Programme organized by The Malaviya Mission Teacher Training Centre Jamia Millia Islamia on 01.11.2024.
98.	2024	Breakthroughs in Drug Design: The Synergy of Machine Learning and HPC," jointly hosted by Prescience Insilico and School of Physical Sciences, JNU during 29th- 30th November 2024.
99.	2024	Workshop on "Alternative Models in Toxicological Research" from 9th December 2024 to 11th December 2024 in Dept. of Toxicology, School of Chemical and Life Sciences.
100.	2024	4th Asian Congress for Alternatives to Animal Experiments (4ACAAE) and the 7th Annual Conference of the Society for Alternatives to Animal Experiments (SAAE)- India at Jamia Hamdard, New Delhi, India on 12-24 December 2024.
101.	2024	Workshop on Computational Biology Methods in Toxicity testing under the aegis of Alternatives to Animal Experiments at Jamia Hamdard, New Delhi, India on 16 th December 2024.
102.	2025	Residential one month Faculty Induction Programme organized by The Malaviya Mission Teacher Training Centre, Jamia Millia Islamia. 02.01.2025.
N	Member of Editorial Board	
	Journal of Biomolecular Structure and Dynamics (<i>Associate Editor, Since 2020</i>)	
	Journal of Protein and Proteomics (<i>Associate Editor, Since 2018</i>)	
	Oxidative Medicine and Cellular Longevity (<i>Editor, Since 2021</i>)	
	Journal of Alzheimer's Disease (<i>Associate Editor, Since 2024</i>)	
	F1000Research (<i>Senior Advisor for Cell & Molecular Biology Gateway</i>)	
	Scientific Reports (<i>Editor</i>)	
	PloS-ONE (<i>Academic Editor</i>)	
	Brain Research (<i>Guest Editor</i>)	
	Frontiers in Molecular Biosciences (<i>Associate Editor</i>)	
	Frontiers in Immunology (<i>Guest Editor</i>)	
	Brain Research (<i>Guest Editor</i>)	
	Frontiers in Oncology (<i>Guest Editor</i>)	
	Molecules (<i>Guest Editor</i>)	
	Briefings in Functional Genomics (<i>Guest Editor</i>)	
	Current Topics in Medicinal Chemistry (<i>Guest Editor</i>)	
	Frontiers in Biosciences (<i>Guest Editor</i>)	
	J Natural Science Biology and Medicine (<i>Editor</i>)	

O	Research Projects and Grants		
i.	Folding and Stability of Naturally Truncated Photosynthetic Pigment, C-Phycoerythrin from Cyanobacteria <i>Phormidium tenue</i> (39.40 L)	DST	Completed
ii.	The critical role of five N-terminal residues in the folding and stability of Yeast iso-1 cytochrome c (AS CO-PI) (49.50 L)	DST	Completed
iii.	Structural and biophysical characterization of cyt-c; a component of mitochondrial respiration (13.75L)	DST	Completed
iv.	Compilation of useful information for Indian diseases through an online data base management; A useful resource for researcher and public awareness (15.2 L)	UGC	Completed
v.	Structural and Functional Assignment to Hypothetical Proteins from Common Indian Pathogens. (29.6 L)	ICMR	Completed
vi.	Mechanism of survival of ethanol producing organisms: Role of Cellular Compatible Osmolytes in Counteracting the Deleterious Effects of Ethanol on Structure, Stability and Function of Protein (AS CO-PI) (24.36 L)	CSIR	Completed
vii.	Design and synthesis of selective inhibitors against human carbonic anhydrase VA to search potential anti- obesity agent: A QSAR and crystallographic approach (24.10 L)	CSIR	Completed
viii.	Identification of a high affinity selective inhibitor of calcium/calmodulin-dependent protein kinase IV by a combined experimental and computational approach (52.70 L)	ICMR	Completed
ix.	In Silico (Molecular Dynamic Simulation) and In Vitro Approaches to Understand Counteraction of Urea's Effects on Proteins by Kidney Osmolytes (Co-PI) (46.39 L)	ICMR	Completed
x.	Design and Synthesis of Potential Inhibitors of MAP/Microtubule Affinity-Regulating Kinase 4 to Fight Against Diabetes and Cancer (31.90 L)	DST	Completed
xi.	Identification of MARK 4 inhibitors from bioactive phytoconstituents of <i>Bacopa Monnieri</i> (Brahmi): Therapeutic management of Alzheimer's disease and neuro-inflammation animal model (22.20 L)	NMPB-AYUSH	Completed
xii.	Elucidation of neurodegenerative tauopathies through MARK4 inhibitors: Design and evaluation of MARK4 inhibitors using <i>in silico</i> and <i>in vitro</i> approaches and investigation of their role to cure hyper phosphorylation of tau proteins (Co-PI) (36.39 L)	ICMR	Completed
xiii.	Structure-based Design and Development of Selective Sphingosine Kinase 1 Inhibitors to Combat Idiopathic Pulmonary Fibrosis (36.45 L)	ICMR	Completed
xiv.	Systems Regulatory Networks of Autophagy Proteins in <i>Leishmania</i> : Implications towards Drug Design (Co-PI) (34.39 L)	ICMR	Ongoing
xv.	Selective Pharmacological Inhibition of the Transcriptional Anti-terminator Protein, RfaH of <i>Klebsiella pneumoniae</i> (64.78 L)	DHR	Ongoing
xvi.	Targeting Alzheimer disease by a mixture of Unani plant extract via modulation of human kinase (49.90 L)	AYUSH CCRUM	Ongoing

xvii.	Developing small molecule inhibitors to target non-genomic androgen signaling and elucidating the role of GPR56 in Prostate Cancer (As Co-PI) (43.10 L)	DST	Completed
xviii.	Development of Pim-1 Kinase-Specific Inhibitors as Preclinical Lead for Prostate Cancer Therapy (42.60 L)	CSIR	Completed
xix.	Targeting two diseases with one stone Inhibition of enzyme modulators of androgen receptor function in prostate cancer and COVID-19	India-Serbia by SERB	Ongoing
xx.	Effect of Unani formulations against mitochondria-mediated cellular mechanism: Strategy to combat Alzheimer's disease Co-PI (43.50 L)	AYUSH CCRUM	Ongoing

P	PUBLICATIONS		
			I.F.
541	Asrani P, Eapen MS, Hassan MI, Sohal SS. Implications of the second wave of COVID-19 in India. Lancet Respiratory Medicine 2021, 9(9):e93-e94.		38.73
540	Rao S, Yang X, Ohshiro K, Zaidi S, Wang Z, Shetty K, Xiang X, Hassan MI, Mohammad T, Mishra L. et al. β 2-spectrin (SPTBN1) as a therapeutic target for diet-induced liver disease and preventing cancer development. Science Translational Medicine 2021, 13(624): eabk2267.		19.36
539	Queen A, Bhutto HN, Yousuf M, Syed MA, Hassan MI. Carbonic anhydrase IX: A tumor acidification switch in heterogeneity and chemokine regulation. Seminar in Cancer Biology 2022, 86(Pt 3):899-913.		17.06
538	Gu S, Zaidi S, Hassan MI, Mohammad T, Malta TM, Noushmehr H, Nguyen B, Mishra B, Obias V, Lin P, Nguyen B, Yao M, Yao R, King CH, Mazumder R, Rao S, and Mishra L (2020) Mutated CEACAMs Disrupt Transforming Growth Factor Beta Signaling and Alter the Intestinal Microbiome to Promote Colorectal Carcinogenesis. Gastroenterology 158(1):238-252.		22.88
537	Anwar S, Shamsi A, Mohammad T, Islam A, Hassan MI. (2021) Targeting pyruvate dehydrogenase kinase signaling in the development of effective cancer therapy. Biochim Biophys Acta Rev Cancer 1876(1):188568.		11.20
536	Upadhyay S, Khan S, Hassan MI. Exploring the diverse role of pyruvate kinase M2 in cancer: Navigating beyond glycolysis and the Warburg effect. Biochim Biophys Acta Rev Cancer. 2024 Mar 6;1879(3):189089.		11.20
535	Mohammad T, Mathur Y, Hassan MI (2021). InstaDock: A Single-click Graphical User Interface for Molecular Docking-based Virtual High-throughput Screening. Briefings in Bioinformatics 22(4):bbaa279.		10.99
534	Basheer N, Smolek T, Hassan I, Liu F, Iqbal K, Zilka N, Novak P. Does modulation of tau hyperphosphorylation represent a reasonable therapeutic strategy for Alzheimer's disease? From preclinical studies to the clinical trials. Mol Psychiatry. 2023 Jun;28(6):2197-2214.		14.15
533	Singh A, Meena M, Kumar D, Dubey AK and Hassan MI (2015) Structural and functional analysis of various globulin proteins from soy seed. Critical Reviews in Food Science and Nutrition 55(11):1491-502.		11.21
532	Kumar D, Hassan MI. Targeted protein degraders march towards the clinic for neurodegenerative diseases. Ageing Res Rev. 2022, 78:101616.		13.10

531	Khan T, Waseem R, Shahid M, Ansari J, Ahanger IA, Hassan I, Islam A. Recent advancement in therapeutic strategies for Alzheimer's disease: Insights from clinical trials. <i>Ageing Res Rev.</i> 2023 Dec;92:102113.	13.10
530	Khan S, Hassan MI, Shahid M, Islam A. Nature's toolbox against tau aggregation: An updated review of current research. <i>Ageing Res Rev.</i> 2023, 87:101924.	12.5
529	Prabha S, Sajad M, Hasan GM, Islam A, Hassan MI, Thakur SC. Recent advancement in understanding of Alzheimer's disease: Risk factors, subtypes, and drug targets and potential therapeutics. <i>Ageing Res Rev.</i> 2024 Aug 31;101:102476.	12.5
528	Singh S, Khan S, Shahid M, Sardar M, Hassan MI, Islam A. Targeting tau in Alzheimer's and beyond: Insights into pathology and therapeutic strategies. <i>Ageing Research Reviews</i> 2025 104 102639.	12.5
527	Iram F, Shahid M, Ansari J, Ashraf GM, Hassan MI, Islam A. Navigating the Maze of Alzheimer's disease by exploring BACE1: Discovery, current scenario, and future prospects. <i>Ageing Res Rev.</i> 2024 Jul;98:102342. doi: 10.1016/j.arr.2024.102342.	12.5
526	Bashir S, Aiman A, Shahid M, Chaudhary AA, Sami N, Basir SF, Hassan I, Islam A Professor. Amyloid-induced neurodegeneration: A comprehensive review through aggregomics perception of proteins in health and pathology. <i>Ageing Res Rev.</i> 2024 Mar 16;96:102276.	12.5
525	Alrouji, M., Anwar, S., Venkatesan, K., Shahwan, M., Hassan, M.I., Islam, A., Shamsi, A., 2024. Iron homeostasis and neurodegeneration in the ageing brain: Insight into ferroptosis pathways. <i>Ageing Research Reviews</i> 102, 102575.	12.5
524	Prabha S, Islam A, Hassan MI, Thakur SC. Understanding of Alzheimer's Disease Pathophysiology for Therapeutic Implications of Natural Products as Neuroprotective Agents. <i>Ageing Res Rev.</i> 2025	12.5
523	Taiyab A, Ashraf A, Sulaimani MN, Rathi A, Shamsi A, Hassan MI. Role of MTH1 in oxidative stress and therapeutic targeting of cancer. <i>Redox Biol.</i> 2024 Oct 11;77:103394. doi: 10.1016/j.redox.2024.103394.	10.7
522	Lu W, Teoh A, Waters M, Haug G, Shakeel I, Hassan I, Shahzad AM, Callerfelt AL, Piccari L, Sohal SS. Pathology of idiopathic pulmonary fibrosis with particular focus on vascular endothelium and epithelial injury and their therapeutic potential. <i>Pharmacol Ther.</i> 2025 Jan;265:108757.	12.0
521	Yang X, Bhowmick K, Rao S, Xiang X, Ohshiro K, Amdur RL, Hassan MI, Mohammad T, Crandall K, Cifani P, Shetty K, Lyons SK, Merrill JR, Vegesna AK, John S, Latham PS, Crawford JM, Mishra B, Dasarathy S, Wang XW, Yu H, Wang Z, Huang H, Krainer AR, Mishra L. Aldehydes alter TGF- β signaling and induce obesity and cancer. <i>Cell Rep.</i> 2024 Sep 24;43(9):114676.	9.6
520	Zaidi S, Islam A, Hassan MI , Ahmad F (2014) The role of key residues in structure and stability of cytochrome c. <i>Cellular and Molecular Life Sciences</i> 71(2):229-55	7.7
519	Hassan, M. I. , Waheed, A and Ahmad F. (2009) Prolactin Inducible protein in cancer, structure, functions and its clinical implications. <i>Cellular and Molecular Life Sciences</i> 66: 447-459	7.7
518	Alam M, Ali S, Ashraf GM, Bilgrami AL, Yadav DK, Hassan MI. Epigallocatechin 3-gallate: From green tea to cancer therapeutics. <i>Food Chem.</i> 2022, 379:132135.	8.5
517	Kumar D, Md Ashraf G, Bilgrami AL, Imtaiyaz Hassan M. Emerging therapeutic developments in neurodegenerative diseases: A clinical investigation. <i>Drug Discov Today.</i> 2022, 18:S1359-6446(22)00275-6.	8.37
516	Hussain A, Jairajpuri DS, Anwar S, Choudhury A, Hawwal MF, Firdous A, Alajmi MF, Hassan MI. Apigenin-mediated MARK4 inhibition: a novel approach in advancing Alzheimer's disease therapeutics. <i>Mol Divers.</i> 2025 Jan 22.	3.8

515	Mustafa M, Abbas K, Ahmad W, Ahmad R, Islam S, Khan H, Moinuddin, Hassan MI, Parveen S, Habib S. A Promising Druggable Target for Translational Therapy of Ovarian Cancer: A Molecular Profiling of Therapeutic Innovations, Extracellular Vesicle Acquired Resistance, and Signaling Pathways. <i>Curr Med Chem</i> . 2025 Jan 14. doi: 10.2174/0109298673331849240930140120.	3.9
514	Taufeeq M, Choudhury A, Hussain A, Alajmi MF, Mohammad T, Shamsi A, Hassan MI. Discovering potential ERK1 inhibitors from natural products for therapeutic targeting of Alzheimer's disease. <i>J Alzheimers Dis</i> . 2025 Jan 15;13872877241309592. doi: 10.1177/13872877241309592.	4.2
513	Hussain A, Mohammad T, Gulzar M, Alajmi MF, Yadav DK, Hassan MI. Phytochemicals Withanolide N and Dryobalanolide as Potential Bioactive Leads for Developing Anticancer Drugs Targeting Tyrosine-Protein Kinase Mer. <i>OMICS</i> . 2025 Jan 10. doi: 10.1089/omi.2024.0192.	3.9
512	Rathi A, Noor S, Sulaimani MN, Ahmed S, Taiyab A, AlAjmi MF, Khan FI, Hassan MI, Haque MM. FDA-approved drugs as PIM-1 kinase inhibitors: A drug repurposed approach for cancer therapy. <i>Int J Biol Macromol</i> . 2024 Dec 23;292:139107. doi: 10.1016/j.ijbiomac.2024.139107.	8.02
511	Atre R, Obukhov AG, Majmudar CY, Nair K, White FA, Sharma R, Siddiqi F, Faisal SM, Varma VP, Hassan MI, Mohammad T, Darwhekar GN, Baig MS. Dorzolamide intermediates with potential anti-inflammatory activity. <i>Eur J Pharmacol</i> . 2025 Jan 15;987:177160. doi: 10.1016/j.ejphar.2024.177160.	4.2
510	Prabha S, Sajad M, Anjum F, Hassan MI, Shamsi A, Thakur SC. Investigating gene expression datasets of hippocampus tissue to discover Alzheimer's disease-associated molecular markers. <i>J Alzheimers Dis</i> . 2024 Dec;102(4):994-1016.	4.2
509	Mustafa M, Ahmad R, Tantry IQ, Ahmad W, Siddiqui S, Alam M, Abbas K, Moinuddin, Hassan MI, Habib S, Islam S. Apoptosis: A Comprehensive Overview of Signaling Pathways, Morphological Changes, and Physiological Significance and Therapeutic Implications. <i>Cells</i> . 2024 Nov 6;13(22):1838. doi: 10.3390/cells13221838.	4.6
508	Chauhan K, Vijayan V, Pant P, Sharma S, Hassan MI, Ganguly NK, Sharma P, Rana R. Identifying potential inhibitors against galectin-3-binding protein (LGALS3BP) for therapeutic targeting of glioma. <i>J Biomol Struct Dyn</i> . 2024 Nov 26:1-13.	3.8
507	Jeong GJ, Khan F, Kim DK, Cho KJ, Tabassum N, Choudhury A, Hassan MI, Jung WK, Kim HW, Kim YM. Marine polysaccharides for antibiofilm application: A focus on biomedical fields. <i>Int J Biol Macromol</i> . 2024 Dec;283(Pt 4):137786.	8.02
506	Ashraf A, Choudhary A, Khan MA, Noor S, Hussain A, Alajmi MF, Hassan MI. Targeting transcriptional regulatory protein RfaH with natural compounds to develop novel therapies against <i>Klebsiella pneumoniae</i> . <i>J Biomol Struct Dyn</i> . 2024 Nov 14:1-13. doi: 10.1080/07391102.2024.2427376.	3.6
505	Zehra, Anjum F, Jawaaid T, Ishrat R, Hassan MI. Investigating the inhibitory potential of natural bioactive compounds against cyclin-dependent kinase 13: virtual high throughput screening and MD simulation studies to target CDK signaling. <i>J Recept Signal Transduct Res</i> . 2024 Aug;44(4):140-150.	2.2
504	Saeed MU, Ahmed S, Choudhury A, Hussain A, Alajmi MF, Mohammad T, Hassan MI. Discovering novel inhibitors of RfaH from <i>Klebsiella pneumoniae</i> to combat antimicrobial resistance. <i>Arch Microbiol</i> . 2024 Nov 20;206(12):472.	2.3
503	Taiyab, A., Mohammad, T., Sulaimani, M. et al. Structure-guided identification of potential MTH1 inhibitors from natural compounds: toward therapeutic targeting of oxidative DNA damage in cancer. <i>Chem. Pap.</i> (2025).	2.4

502	Rais A, Husain A, Hasan GM, Hassan MI. A review on regulation of cell cycle by extracellular matrix. <i>Int J Biol Macromol.</i> 2023 Jan 25;232:123426.	8.02
501	Neha, Anwar S, Pinky, Hassan MI, Parvez S. Ropinirole reverses the effects of neuroinflammation, and cellular demise by downregulating the MARK4-NFκβ signaling system in Alzheimer's disease. <i>Int J Biol Macromol.</i> 2024 Jun;271(Pt 1):132425. doi: 10.1016/j.ijbiomac.2024.132425.	8.02
500	Alotaibi BS, Hakami MA, Anwar S, Mawkili W, Albaqami A, Hassan MI. Structure-based investigation of pyruvate dehydrogenase kinase-3 inhibitory potential of thymoquinone, targeting lung cancer therapy. <i>Int J Biol Macromol.</i> 2024 Mar 20;265(Pt 2):131064.	8.02
499	Jairajpuri DS, Khan S, Anwar S, Hussain A, Alajmi MF, Hassan I. Investigating the role of thymol as a promising inhibitor of pyruvate dehydrogenase kinase 3 for targeted cancer therapy. <i>Int J Biol Macromol.</i> 2024 Feb;259(Pt 2):129314.	8.02
498	Yousuf M, Khan S, Hussain A, Alajmi MF, Shamsi A, Haque QMR, Islam A, Hassan MI. Exploring therapeutic potential of Rutin by investigating its cyclin-dependent kinase 6 inhibitory activity and binding affinity. <i>Int J Biol Macromol.</i> 2024 Mar 6;264(Pt 2):130624.	8.02
497	Taiyab A, Choudhury A, Haidar S, Yousuf M, Rath A, Koul P, Chakrabarty A, Islam A, Shamsi A, Hassan MI. Exploring MTH1 inhibitory potential of Thymoquinone and Baicalin for therapeutic targeting of breast cancer. <i>Biomed Pharmacother.</i> 2024 Apr;173:116332.	7.56
496	Shakeel I, Haider S, Khan S, Ahmed S, Hussain A, Alajmi MF, Chakrabarty A, Afzal M, MI. Thymoquinone, artemisinin, and thymol attenuate proliferation of lung cancer cells as Sphingosine kinase 1 inhibitors. <i>Biomed Pharmacother.</i> 2024 Aug;177:117123. doi: 10.1016/j.biopha.2024.117123.	7.56
495	Singh Y, Ahmad R, Raza A, Warsi MS, Mustafa M, Khan H, Hassan MI, Khan R, Moinuddin, Habib S. Exploring the effects of 4-chloro-o-phenylenediamine on human fibrinogen: A comprehensive investigation via biochemical, biophysical and computational approaches. <i>Int J Biol Macromol.</i> 2024 Sep 21;280(Pt 2):135825.	7.6
494	Rathi A, Chaudhury A, Anjum F, Ahmad S, Haider S, Khan ZF, Taiyab A, Chakrabarty A, Islam A, Hassan MI, Haque MM. Targeting prostate cancer via therapeutic targeting of PIM-1 kinase by Naringenin and Quercetin. <i>Int J Biol Macromol.</i> 2024 Sep;276(Pt 2):133882. doi: 10.1016/j.ijbiomac.2024.133882.	7.6
493	Sharma B, Dhiman C, Hasan GM, Shamsi A, Hassan MI. Pharmacological Features and Therapeutic Implications of Plumbagin in Cancer and Metabolic Disorders: A Narrative Review. <i>Nutrients.</i> 2024 Sep 8;16(17):3033. doi: 10.3390/nu16173033.	5.6
492	Mustafa M, Abbas K, Alam M, Habib S, Zulfareen, Hasan GM, Islam S, Shamsi A, Hassan I. Investigating underlying molecular mechanisms, signaling pathways, emerging therapeutic approaches in pancreatic cancer. <i>Front Oncol.</i> 2024 Jul 17;14:1427802. doi: 10.3389/fonc.2024.1427802.	5.6
491	Anwar S, Ahmed A, Sarli V, Hassan I. Editorial: Protein kinase inhibitors in neurodegeneration and cancer targeted therapies. <i>Front Cell Dev Biol.</i> 2024 Apr 18;12:1413293. doi: 10.3389/fcell.2024.1413293.	5.8
490	Naz F, Arish M, Hassan I. Editorial: Sphingolipids in infections, diseases, and disorders. <i>Front Immunol.</i> 2024 Mar 14;15:1392055.	6.5
489	Khan S, Upadhyay S, Hassan MI. Novel prospects in targeting neurodegenerative disorders via autophagy. <i>Eur J Pharmacol.</i> 2024 Oct 18;984:177060.	4.5
488	Singh P, Tabassum G, Masood M, Anwar S, Syed MA, Dev K, Hassan MI, Haque MM, Dohare R, Singh IK. Investigating the role of prognostic mitophagy-related	3.5

	genes in non-small cell cancer pathogenesis via multiomics and network-based approach. 3 Biotech. 2024 Nov;14(11):273. doi: 10.1007/s13205-024-04127-y.	
487	Habib I, Sulaimani MN, Jairajpuri DS, Hussain A, Mohammad T, Alajmi MF, Shamsi A, Hassan MI. Identification of potential bioactive phytochemicals for the inhibition of platelet-derived growth factor receptor β : a structure-based approach for cancer therapy. Front Mol Biosci. 2024 Oct 15;11:1492847.	4.5
486	Rathi A, Noor S, Khan S, Khan F, Anjum F, Ashraf A, Taiyab A, Islam A, Hassan MI, Haque MM. Investigating pH-induced conformational switch in PIM-1: An integrated multi spectroscopic and MD simulation study. Comput Biol Chem. 2024 Oct 28;113:108265. doi: 10.1016/j.compbiolchem.2024.108265.	3.8
485	Alam M, Gulzar M, Akhtar MS, Zulfareen, Tanuja, Rashid S, Shamsi A, Hassan MI. Epigallocatechin-3-gallate therapeutic potential in human diseases: molecular mechanisms and clinical studies 2024, Molecular Biomedicine. DOI : 10.1186/s43556-024-00223-w.	6.1
484	Prasad K, Hassan MI, Raghuvanshi S, Kumar V. Understanding the relationship between cerebellum and the frontal-cortex region of C9orf72-related amyotrophic lateral sclerosis: A comparative analysis of genetic features. PLoS One. 2024 May 16;19(5):e0301267. doi: 10.1371/journal.pone.0301267.	3.6
483	Sulaimani MN, Ahmed S, Anjum F, Mohammad T, Shamsi A, Dohare R, Hassan MI. Structure-guided identification of mitogen-activated protein kinase-1 inhibitors towards anticancer therapeutics. PLoS One. 2025 Jan 24;20(1):e0311954.	3.6
482	Khan ZF, Rathi A, Khan A, Anjum F, Shamsi A, Hassan MI. Exploring PDK3 inhibition in lung cancer through drug repurposing for potential therapeutic interventions. Scientific Reports. DOI : 10.1038/s41598-024-78022-0.	3.8
481	Aazad, Choudhury A, Hussain A, AlAjmi MF, Mohammad T, Prabha S, Sharma MK, Shamsi A, Hassan MI. Exploring Phytochemical Inhibitors of Protein Kinase C Alpha (PKCa) for therapeutic targeting of Alzheimer's disease. Journal of Alzheimer's Disease. 2024 Oct.	4.2
480	Mustafa M, Habib S, Imtiyaz K, Tufail N, Ahmad R, Hamim B, Abbas K, Ahmad W, Khan S, Moinuddin, Rizvi MMA, Hassan MI, Siddiqui SA. Characterization of structural, genotoxic, and immunological effects of methyl methanesulfonate (MMS) induced DNA modifications: Implications for inflammation-driven carcinogenesis. Int J Biol Macromol. 2024 May;268(Pt 1):131743.	7.6
479	Anwar S, Khan S, Hussain A, Alajmi MF, Shamsi A, Hassan MI. Investigating Pyruvate Dehydrogenase Kinase 3 Inhibitory Potential of Myricetin Using Integrated Computational and Spectroscopic Approaches. ACS Omega. 2024 Jun 26;9(27):29633-29643. doi: 10.1021/acsomega.4c03001.	4.2
478	Ahmed S, Queen A, Irfan I, Siddiqui MN, Abdulhameed Almuqdad HT, Setia N, Ansari J, Hussain A, Hassan MI, Abid M. Vanillin-Isatin Hybrid-Induced MARK4 Inhibition As a Promising Therapeutic Strategy against Hepatocellular Carcinoma. ACS Omega. 2024 Jun 5;9(24):25945-25959. doi: 10.1021/acsomega.4c00661.	4.2
477	Bhakta A, Mukhtar S, Anwar S, Haider S, Alahmdi MI, Parveen H, Alsharif MA, Wani MY, Chakrabarty A, Hassan MI, Ahmed N. Design, synthesis, molecular docking and anti-proliferative activity of novel phenothiazine containing imidazo[1,2-a]pyridine derivatives against MARK4 protein. RSC Med Chem. 2024 Apr 19;15(6):1942-1958. doi: 10.1039/d4md00059e.	4.3
476	Noor S, Choudhury A, Islam KU, Yousuf M, Raza A, Ansari MA, Ashraf A, Hussain A, Hassan MI. Investigating the chemo-preventive role of nescapine in	4.2

	lung carcinoma via therapeutic targeting of human aurora kinase B. Mol Cell Biochem. 2024 Jun 3. doi: 10.1007/s11010-024-05036-7.	
475	Ashraf A, Hassan MI. Microbial Endocrinology: Host metabolism and appetite hormones interaction with gut microbiome. Mol Cell Endocrinol. 2024 Oct 1;592:112281. doi: 10.1016/j.mce.2024.112281.	4.6
474	Shafie A, Ashour AA, Anwar S, Anjum F, Hassan MI. Exploring molecular mechanisms, therapeutic strategies, and clinical manifestations of Huntington's disease. Arch Pharm Res. 2024 Jun;47(6):571-595. doi: 10.1007/s12272-024-01499-w.	6.2
473	Elasbali AM, Anjum F, Al-Ghabban BA, Shafie A, Mohammad T, Hassan MI. Phytochemicals Neogitogenin and Samogenin Hold Potentials for Hepatocyte Growth Factor Receptor-Targeted Cancer Treatment. OMICS. 2024 Oct 10. doi: 10.1089/omi.2024.0169.	4.2
472	Sharma N, Yadav D, Kumari S, Ghosh D, Shandilya M, Hassan MI, Srivastava CM, Majumder S, Exploring Nano-Protein Corona Dynamics: Tracing the Hard-to-Soft Corona Transition with Trypsin and Graphene Oxide in a Silver Nanocomposite Model. Chemistry Select 9 (36), e202402816.	3.3
471	Sharma N, Yadav D, Hassan MI, Srivastava CM, Majumder S. A review on exploring the impact of graphene oxide-based nanomaterials on structures and bioactivity of proteins. Journal of Molecular Liquids. 2024;404:124980.	5.3
470	Zehra, Hussain A, AlAjmi MF, Ishrat R, Hassan MI. Enriching Anticancer Drug Pipeline with Potential Inhibitors of Cyclin-Dependent Kinase-8 Identified from Natural Products. OMICS. 2024 Sep;28(9):478-488. doi: 10.1089/omi.2024.0128.	4.2
469	Qamar W, Gulia S, Athar M, Ahmad R, Imam MT, Chandra P, Singh BP, Haque R, Hassan MI, Rahman S. An insight into impact of nanomaterials toxicity on human health. PeerJ. 2024 Sep 30;12:e17807. doi: 10.7717/peerj.17807.	3.2
	Salsbury FR Jr, Adnan M, Bishop TC, Chaires JB, Hassan MI. Editorial: aims and scope update. J Biomol Struct Dyn. 2024 Aug 8:1-2.	3.6
468	Sumaira S, Vijayarathna S, Hemagirri M, Adnan M, Hassan MI, Patel M, Gupta R, Shanmugapriya, Chen Y, Gopinath SCB, Kanwar JR, Sasidharan S. Plant bioactive compounds driven microRNAs (miRNAs): A potential source and novel strategy targeting gene and cancer therapeutics. Noncoding RNA Res. 2024 Jun 8;9(4):1140-1158. doi: 10.1016/j.ncrna.2024.06.003.	3.2
467	Mustafa, Mohd, Rizwan Ahmad, Irfan Qadir Tantry, Waleem Ahmad, Sana Siddiqui, Mudassir Alam, Kashif Abbas, Moinuddin, Md. Imtaiyaz Hassan, Safia Habib, and et al. 2024. "Apoptosis: A Comprehensive Overview of Signaling Pathways, Morphological Changes, and Physiological Significance and Therapeutic Implications" Cells 13, no. 22: 1838. https://doi.org/10.3390/cells13221838	5.6
466	Singh NK, Awasthi P, Gupta A, Anand N, Giri BS, Hassan MI, Hasan S, Identifying Porphyromonas gingivalis- Infected Hub Genes and Molecular Mechanisms of Oral Squamous Cell Carcinoma Pathogenesis. Discover Applied Sciences 2024	1.6
465	Mustafa M, Abbas K, Ahmad R, Ahmad W, Tantry IQ, Islam S, M, Alam M, HASSAN MI, Usmani N, Usmani N, et al: Unmasking vulnerabilities in the age of COVID-19 (Review). World Acad Sci J 7: 2, 2025.	2.9
464	Elasbali AM, Al-Soud WA, Anwar S, Alhassan HH, Adnan M, Hassan MI. A review on mechanistic insights into structure and function of dystrophin protein in pathophysiology and therapeutic targeting of Duchenne muscular dystrophy. Int J Biol Macromol. 2024 Feb 29;264(Pt 1):130544.	8.02
463	Anwar S, Choudhury A, Hussain A, AlAjmi MF, Hassan MI, Islam A. Harnessing memantine in Alzheimer's disease therapy through inhibition of microtubule	8.02

	affinity-regulating kinase: Mechanistic insights. <i>Int J Biol Macromol.</i> 2024 Mar;262(Pt 2):130090.	
462	Eapen MS, Lu W, Dey S, Chia C, Hardikar A, Hassan MI, Bhattarai P, Gaikwad AV, Das S, Hansbro PM, Singhera GK, Hackett TL, Sohal SS. Differential expression of mast cells in the small airways and alveolar septa of current smokers and patients with small airway disease and COPD. <i>ERJ Open Res.</i> 2024 Mar 18;10(2):00579-2023.	3.6
461	Khan T, Waseem R, Shahid M, Ansari J, Hassan MI, Shamsi A, Islam A. Understanding the Modulation of α -Synuclein Fibrillation by N-Acetyl Aspartate: A Brain Metabolite. <i>ACS Omega.</i> 2024 Feb 29;9(10):12262-12271.	4.2
460	Bashir S, Aiman A, Chaudhary AA, Khan N, Ahanger IA, Sami N, Almagri EA, Ali MAM, Khan S, Shahid M, Basir SF, Hassan MI, Islam A, Probing protein aggregation through spectroscopic insights and multimodal approaches: A comprehensive review for counteracting neurodegenerative disorders, <i>Heliyon</i> , 2024, 10 (7): e27949.	4.0
459	Shafie, A.; Ashour, A.A.; Anjum, F.; Shamsi, A.; Hassan, M.I. Elucidating the Impact of Deleterious Mutations on IGHG1 and Their Association with Huntington's Disease. <i>J. Pers. Med.</i> 2024, 14.	4.6
458	Ahmed S, Chaudhury A, Saeed MU, Mohammad T, Hussain A, AlAjmi MF, Hassan MI, Structure-guided computational identification of interleukin-2-inducible T-cell kinase modulators, <i>Journal of Biomolecular Structure & Dynamics</i> , 2024.	4.4
457	Ahmed, S; Queen, A; Irfan, I; Siddiqui, MN; Abdulhameed, H; Setia, N; Ansari, J; Hussain, A; Hassan, MI; Abid, M. Vanillin-Isatin hybrids-induced MARK4-inhibition as a promising therapeutic strategy against hepatocellular carcinoma. <i>ACS Omega</i> 2024.	4.6
456	Batra S, Jahan S, Ashraf A, Alharby B, Jawaid T, Islam A, Hassan I. A review on cyclin-dependent kinase 5: An emerging drug target for neurodegenerative diseases. <i>Int J Biol Macromol.</i> 2023 Mar 1;230:123259.	8.02
455	Hasan GM, Anwar S, Shamsi A, Sohal SS, Hassan MI. The neuroprotective potential of phytochemicals in traumatic brain injury: mechanistic insights and pharmacological implications. <i>Front Pharmacol.</i> 2024 Jan 4;14:1330098.	5.6
454	A. Rathi, A. Khan, S. Haider, S. Roy, A. Taiyab, S. Mahendru, Hassan MI, Exploring the potential of baicalin and resveratrol as PIM-1 kinase inhibitors: Therapeutic targeting of prostate and breast cancers <i>Journal of Molecular Liquids</i> 2024; 396: 124026	6.0
453	Elasbali AM, Al-Soud WA, Adnan M, Alhassan HH, Mohammad T, Hassan MI. Discovering Promising Biomarkers and Therapeutic Targets for Duchenne Muscular Dystrophy: a Multiomics Meta-Analysis Approach. <i>Mol Neurobiol.</i> 2024.	5.5
452	Shakeel I, Ashraf A, Afzal M, Sohal SS, Islam A, Kazim SN, Hassan MI. The Molecular Blueprint for Chronic Obstructive Pulmonary Disease (COPD): A New Paradigm for Diagnosis and Therapeutics. <i>Oxid Med Cell Longev.</i> 2023 Dec 21;2023:2297559.	7.5
451	Noor S, Choudhury A, Raza A, Ashraf A, Islam KU, Hussain A, Imtiyaz K, Islam A, Hassan MI. Probing Baicalin as potential inhibitor of Aurora kinase B: A step towards lung cancer therapy. <i>Int J Biol Macromol.</i> 2023 Dec 18;258(Pt 1):128813.	8.2
450	Gulzar M, Noor S, Hasan GM, Hassan MI. The role of serum and glucocorticoid-regulated kinase 1 in cellular signaling: Implications for drug development. <i>Int J Biol Macromol.</i> 2023 Dec 12;258(Pt 1):128725.	8.2
449	Ashraf A, Ahmad M, Mariadasse R, Khan MA, Noor S, Islam A, Hassan MI. Integrated spectroscopic and MD simulation approach to decipher the effect of pH	4.2

	on the structure function of Staphylococcus aureus thymidine kinase. J Biomol Struct Dyn. 2023 Dec 15:1-12.	
448	Azhar MK, Anwar S, Hasan GM, Shamsi A, Islam A, Parvez S, Hassan MI. Comprehensive Insights into Biological Roles of Rosmarinic Acid: Implications in Diabetes, Cancer and Neurodegenerative Diseases. Nutrients. 2023 Oct 9;15(19):4297.	5.7
447	I. Shakeel, M. Afzal, A. Islam, S. S. Sohal and M. I. Hassan, Idiopathic pulmonary fibrosis: Pathophysiology, cellular signaling, diagnostic and therapeutic approaches. Medicine in Drug Discovery 2023: 100167.	--
446	Khan T, Waseem R, Zehra Z, Aiman A, Bhardwaj P, Ansari J, Hassan MI, Islam A. Mitochondrial Dysfunction: Pathophysiology and Mitochondria-Targeted Drug Delivery Approaches. Pharmaceutics. 2022 Nov 30;14(12):2657.	6.23
445	Alam M, Hasan GM, Eldin SM, Adnan M, Riaz MB, Islam A, Khan I, Hassan MI. Investigating regulated signaling pathways in therapeutic targeting of non-small cell lung carcinoma. Biomed Pharmacother. 2023 May;161:114452.	7.41
444	A Alam M, Rashid S, Fatima K, Adnan M, Shafie A, Akhtar MS, Ganie AH, Eldin SM, Islam A, Khan I, Hassan MI. Biochemical features and therapeutic potential of α -Mangostin: Mechanism of action, medicinal values, and health benefits. Biomed Pharmacother. 2023 May 2;163:114710. doi: 10.1016/j.biopha.2023.114710.	7.41
443	Adnan M, DasGupta D, Anwar S, Shamsi A, Siddiqui AJ, Snoussi M, Bardakci F, Patel M, Hassan MI. Mechanistic insights into MARK4 inhibition by galantamine toward therapeutic targeting of Alzheimer's disease. Front Pharmacol. 2023 Sep 19;14:1276179.	5.2
442	Azhar MK, Anwar S, Hasan GM, Shamsi A, Islam A, Parvez S, Hassan MI (2023) Comprehensive insight into biological roles of Rosmarinic acid in Disease therapeutics: Implications in Diabetes, Neurodegenerative diseases and Cancer. Nutrients (In Press)	6.6
441	Shakeel I, Khan S, Roy S, Sherwani F, Ahmad SF, Sohal SS, Afzal M, Hassan MI. Investigating potential of cholic acid, syringic acid, and mangiferin as cancer therapeutics through sphingosine kinase 1 inhibition. Int J Biol Macromol. 2023 Oct 1:127036. doi: 10.1016/j.ijbiomac.2023.127036.	8.2
440	Hasan GM, Shamsi A, Sohal SS, Alam M, Hassan MI. Structure-Based Identification of Natural Compounds as Potential RET-Kinase Inhibitors for Therapeutic Targeting of Neurodegenerative Diseases. J Alzheimers Dis. 2023 Sep 11. doi: 10.3233/JAD-230698.	4.8
439	Jairajpuri DS, Mohammad T, Hussain A, Alajmi MF, Yadav DK, Hassan MI. Identification of High-Affinity Inhibitors of TANK-Binding Kinase 1 (TBK1): A Promising Frontier for Controlling Inflammatory Signaling in Cancer. Discov Med. 2024 Jan;36(180):129-139.	2.1
438	T. Mohammad, A. Hussain, M. F. Alajmi, S. Hasan, D. K. Yadav and M. I. Hassan, Identifying potential inhibitors of phosphatidylinositol 4,5-bisphosphate 3-kinase: Molecular dynamic insights into the interaction and inhibitory mechanism. Chemical Physics Impact 2024, 8: 100458	2.2
437	Alam J, Kalash A, Hassan MI, Rahman SZ. Agents at the Peak of US FDA Approval for the Treatment of Alzheimer's Disease. Neurol Res. 2024 Jan 10:1-8.	2.4
	Saifi S, Ashraf A, Hasan GM, Shamsi A, Hassan MI. Insights into the preventive actions of natural compounds against Klebsiella pneumoniae infections and drug resistance. Fitoterapia. 2023 Dec 31;173:105811.	3.6

436	Jairajpuri DS, Mohammad T, Hussain A, Amir S, Fatima U, AlAjmi MF, Yadav DK, Hassan MI. An integrated docking and molecular dynamics simulation approach to discover potential inhibitors of activin receptor-like kinase 1. <i>J Mol Recognit</i> . 2023 Dec 6:e3069.	2.4
435	Gaur T, Ali A, Sharma D, Gupta SK, Gota V, Bagal B, Platzbecker U, Mishra R, Dutt A, Khattry N, Mills K, Hassan MI, Sandur S, Hasan SK. Mitocurcumin utilizes oxidative stress to upregulate JNK/p38 signaling and overcomes Cytarabine resistance in acute myeloid leukemia. <i>Cell Signal</i> . 2024 Feb;114:111004.	4.5
434	Ahmed S, Nadeem M, Hussain I, Fatima S, Anwar S, Rizvi MA, Hassan MI, Tabish M. Preparation of nanoformulation of 5-fluorouracil to improve anticancer efficacy: integrated spectroscopic, docking, and MD simulation approaches. <i>J Biomol Struct Dyn</i> . 2023 Oct 18:1-14.	4.2
433	Alam M, Ahmed S, Abid M, Hasan GM, Islam A, Hassan MI. Therapeutic targeting of microtubule affinity-regulating kinase 4 in cancer and neurodegenerative diseases. <i>J Cell Biochem</i> . 2023 Sep;124(9):1223-1240. doi: 10.1002/jcb.30468.	4.6
432	Banerjee P, Chandra A, Mohammad T, Singh N, Hassan MI, Qamar I. Identification of high-affinity pyridoxal kinase inhibitors targeting cancer therapy: an integrated docking and molecular dynamics simulation approach. <i>J Biomol Struct Dyn</i> . 2023 Aug 14:1-18. doi: 10.1080/07391102.2023.2246580.	5.2
431	Hasan GM, Hassan MI, Sohal SS, Shamsi A, Alam M. Therapeutic Targeting of Regulated Signaling Pathways of Non-Small Cell Lung Carcinoma. <i>ACS Omega</i> . 2023 Jul 17;8(30):26685-26698. doi: 10.1021/acsomega.3c02424.	4.7
430	Voura M, Anwar S, Sigala I, Parasidou E, Fragoulidou S, Hassan MI, Sarli V. Synthesis, Structural Modification, and Bioactivity Evaluation of Substituted Acridones as Potent Microtubule Affinity-Regulating Kinase 4 Inhibitors. <i>ACS Pharmacol Transl Sci</i> . 2023 Jul 4;6(7):1052-1074. doi: 10.1021/acspsci.3c00084.	6.0
429	Kumar D, Noor S, Alam M, Hassan MI. Editorial: Molecular dynamics of cognitive-motor impairment in neurodegenerative diseases. <i>Front Mol Neurosci</i> . 2023 Jun 22;16:1237769. doi: 10.3389/fnmol.2023.1237769.	4.8
428	Waseem R, Khan T, Shamsi A, Shahid M, Kazim SN, Hassan MI, Islam A. Inhibitory potential of N-acetylaspartate against protein glycation, AGEs formation and aggregation: Implication of brain osmolyte in glycation-related complications. <i>Int J Biol Macromol</i> . 2023 Jul 31;244:125405. doi: 10.1016/j.ijbiomac.2023.125405.	8.2
427	Anwar S, Mohammad T, Azhar MK, Fatima H, Alam A, Hasan GM, Islam A, Kaur P, Hassan MI. Investigating MARK4 inhibitory potential of Bacopaside II: Targeting Alzheimer's disease. <i>Int J Biol Macromol</i> . 2023 Aug 1;245:125364.	8.2
426	Hassan MI. Multi-omics approaches to therapeutic target identification. <i>Brief Funct Genomics</i> . 2023 Apr 13;22(2):75. doi: 10.1093/bfpg/elac058.	4.32
425	Khan MA, Mohammad T, Malik A, Hassan MI, Domashevskiy AV. Iron response elements (IREs)-mRNA of Alzheimer's amyloid precursor protein binding to iron regulatory protein (IRP1): a combined molecular docking and spectroscopic approach. <i>Sci Rep</i> . 2023 Mar 28;13(1):5073.	4.23
424	Sharma, P., Kumari, S., Ghosh, D., Kumar, J., Vij, A., Brajpuriya, R., Rawat, P., Srivastava, C., Saini, S., Sharma, V., Hassan, M. & Majumder, S. (2023). Structural morphological, and thermal properties of nano bentonite and α -Fe ₂ O ₃ /bentonite nanocomposite. <i>Zeitschrift für Physikalische Chemie</i> . https://doi.org/10.1515/zpch-2022-0073	1.2
423	Raina, N., Singh, E., Ahanger, I.A., Shahid, M., Israil, Hassan, M.I., Ahmad, F., Singh, A.K., and Islam, A. (2023). Polyethylene glycol induced structural	6.09

	modulation of holo alpha-lactalbumin: In vitro and in vivo approach towards protein stability. <i>Journal of Molecular Liquids</i> 382, 121909.	
422	Ahmad S, Hassan MI, Gupta D, Dwivedi N, Islam A. Design and evaluation of pyrimidine derivatives as potent inhibitors of ABCG2, a breast cancer resistance protein. <i>3 Biotech.</i> 2022 Sep;12(9):182. doi: 10.1007/s13205-022-03231-1.	3.2
421	Ali T, Anjum F, Choudhury A, Shafie A, Mohammad T, Hassan MI, Identification of natural product-based effective inhibitors of spleen tyrosine kinase (SYK) through virtual screening and molecular dynamics simulation approaches. <i>J Biomol Struct Dyn.</i> 2023 (In press)	5.2
420	Kumar D, Hasan GM, Islam A, Hassan MI. Therapeutic targeting of Huntington's disease: Molecular and clinical approaches. <i>Biochem Biophys Res Commun.</i> 2023 May 7;655:18-24. doi: 10.1016/j.bbrc.2023.02.075.	3.57
419	Khan A, Bealy MA, Alharbi B, Khan S, Alharethi SH, Al-Soud WA, Mohammad T, Hassan MI, Alshammari N, Ahmed Al-Keridis L. Discovering potential inhibitors of Raf proto-oncogene serine/threonine kinase 1: a virtual screening approach towards anticancer drug development. <i>J Biomol Struct Dyn.</i> 2023 Apr 27:1-12. doi: 10.1080/07391102.2023.2204380.	5.2
418	Elasbali AM, Al-Soud WA, Elfaki EM, Alanazi HA, Alharbi B, Alharethi SH, Anwer K, Mohammad T, and Hassan MI. (2023) Identification of novel c-Kit inhibitors from natural sources using virtual screening and molecular dynamics simulations. <i>Journal of Biomolecular Structure & Dynamics</i> (In press)	5.2
417	Singh P, Rathi A, Minocha R, Sinha A, Haque MM, Hassan MI, Dohare R. Breast Cancer Prognostic Hub Genes Identified by Integrated Transcriptomic and Weighted Network Analysis: A Road Toward Personalized Medicine. <i>OMICS.</i> 2023 May 8. doi: 10.1089/omi.2023.0033.	3.98
416	Ali N, Aiman A, Shamsi A, Hassan I, Shahid M, Gaur NA, Islam A. Identification of Thermostable Xylose Reductase from <i>Thermothelomyces thermophilus</i> : A Biochemical Characterization Approach to Meet Biofuel Challenges. <i>ACS Omega.</i> 2022 Nov 17;7(48):44241-44250.	4.02
415	Waseem R, Shamsi A, Khan T, Anwer A, Shahid M, Kazim SN, Hassan MI, Islam A. Characterization of advanced glycation end products and aggregates of irisin: Multispectroscopic and microscopic approaches. <i>J Cell Biochem.</i> 2023 Jan;124(1):156-168.	4.23
414	Ali N, Zehra Z, Shamsi A, Beg MA, Parray ZA, Israil, Imam MA, Gaur NA, Hassan MI, Chaudhary AA, Rudayni HA, Alghonaim MI, Alsalamah SA, Islam A. Elucidating the Role of Santalol as a Potent Inhibitor of Tyrosinase: In Vitro and In Silico Approaches. <i>Molecules.</i> 2022 Dec 15;27(24):8915.	4.23
413	Mann GS, Azum N, Khan A, Rub MA, Hassan MI, Fatima K, Asiri AM. Green Composites Based on Animal Fiber and Their Applications for a Sustainable Future. <i>Polymers (Basel).</i> 2023 Jan 24;15(3):601.	4.23
412	Naqvi AAT, Rizvi SAM, Hassan MI. Pan-cancer analysis of Chromobox (CBX) genes for prognostic significance and cancer classification. <i>Biochim Biophys Acta Mol Basis Dis.</i> 2023 Jan 1;1869(1):166561.	6.63
411	Parray ZA, Naqvi AAT, Ahanger IA, Shahid M, Ahmad F, Hassan MI, Islam A. Measuring Structural Changes in Cytochrome c under Crowded Conditions Using In Vitro and In Silico Approaches. <i>Polymers (Basel).</i> 2022 Nov 9;14(22):4808.	4.36
410	Anwar S, Shahwan M, Hasan GM, Islam A, Hassan MI. Microtubule-affinity regulating kinase 4: A potential drug target for cancer therapy. <i>Cell Signal.</i> 2022 Aug 9;99:110434. doi: 10.1016/j.cellsig.2022.110434.	4.2

409	Bouali N, Hammouda MB, Ahmad I, Ghannay S, Thouri A, Dbeibia A, Patel H, Hamadou WS, Hosni K, Snoussi M, Adnan M, Hassan MI, Noumi E, Aouadi K, Kadri A. Multifunctional Derivatives of Spiropyrrolidine Tethered Indeno-Quinoxaline Heterocyclic Hybrids as Potent Antimicrobial, Antioxidant and Antidiabetic Agents: Design, Synthesis, In Vitro and In Silico Approaches. <i>Molecules</i> . 2022 Oct 25;27(21):7248.	4.2
408	Adnan M, Shamsi A, Elsbali AM, Siddiqui AJ, Patel M, Alshammari N, Alharethi SH, Alhassan HH, Bardakci F, Hassan MI. Structure-Guided Approach to Discover Tuberosin as a Potent Activator of Pyruvate Kinase M2, Targeting Cancer Therapy. <i>Int J Mol Sci</i> . 2022 Oct 29;23(21):13172.	3.8
407	Mushtaq A, Singh P, Tabassum G, Mohammad T, Hassan MI, Syed MA, Dohare R. Unravelling hub genes as potential therapeutic targets in lung cancer using integrated transcriptomic meta-analysis and in silico approach. <i>J Biomol Struct Dyn</i> . 2022 Nov 1:1-14.	5.2
406	Khatoun F, Ali S, Kumar V, Elsbali AM, Alhassan HH, Alharethi SH, Islam A, Hassan MI. Pharmacological features, health benefits and clinical implications of honokiol. <i>J Biomol Struct Dyn</i> . 2022 Sep 12:1-23.	5.2
405	Adnan M, Anwar S, DasGupta D, Patel M, Elsbali AM, Alhassan HH, Shafie A, Siddiqui AJ, Bardakci F, Snoussi M, Hassan MI. Targeting inhibition of microtubule affinity regulating kinase 4 by Harmaline: Strategy to combat Alzheimer's disease. <i>Int J Biol Macromol</i> . 2022 Oct 17:S0141-8130(22)02361-3.	8.02
404	Yousuf M, Shamsi A, Khan S, Khan P, Shahwan M, Elsbali AM, Haque QMR, Hassan MI. Naringenin as a potential inhibitor of human cyclin-dependent kinase 6: Molecular and structural insights into anti-cancer therapeutics. <i>Int J Biol Macromol</i> . 2022 Jul 31;213:944-954.	8.02
403	Alam M, Ansari MM, Noor S, Mohammad T, Hasan GM, Kazim SN, Hassan MI. Therapeutic targeting of TANK-binding kinase signaling towards anticancer drug development: Challenges and opportunities. <i>Int J Biol Macromol</i> . 2022 May 15;207:1022-1037. doi: 10.1016/j.ijbiomac.2022.03.157.	8.02
402	Noor S, Mohammad T, Ashraf GM, Farhat J, Bilgrami AL, Eapen MS, Sohal SS, Yadav DK, Hassan MI. Mechanistic insights into the role of serum-glucocorticoid kinase 1 in diabetic nephropathy: A systematic review. <i>Int J Biol Macromol</i> . 2021 Oct 26:S0141-8130(21)02322-9. doi: 10.1016/j.ijbiomac.2021.10.165.	8.02
401	Yousuf, M., Alam, M., Shamsi, A., Khan, P., Hasan, G. M., Rizwanul Haque, Q. M., and Hassan, M. I. (2022) Structure-guided design and development of cyclin-dependent kinase 4/6 inhibitors: A review on therapeutic implications, <i>International Journal of Biological Macromolecules</i> . https://doi.org/10.1016/j.ijbiomac.2022.07.156	8.02
400	Fatima U, Roy S, Ahmad S, Al-Keridis LA, Alshammari N, Adnan M, Islam A, Hassan MI. Investigating neuroprotective roles of Bacopa monnieri extracts: Mechanistic insights and therapeutic implications. <i>Biomed Pharmacother</i> . 2022 Sep;153:113469.	7.41
399	Kumar D, Ashraf GM, Hassan MI. Therapeutic integrity of microbiome-based medicines in neurodegenerative disorders. <i>Current Neuropharmacology</i> 2022 Feb 14. doi: 10.2174/1570159X20666220214113816.	7.70
398	Noor S, Mohammad T, Rub MA, Raza A, Azum N, Yadav DK, Hassan MI, Asiri AM. Biomedical features and therapeutic potential of rosmarinic acid. <i>Arch Pharm Res</i> . 2022 Apr;45(4):205-228. doi: 10.1007/s12272-022-01378-2.	6.01
397	Uddin A, Gupta S, Mohammad T, Shahi D, Hussain A, Alajmi MF, El-Seedi HR, Hassan I, Singh S, Abid M. Target-Based Virtual Screening of Natural Compounds	5.98

	Identifies a Potent Antimalarial With Selective Falcipain-2 Inhibitory Activity. <i>Frontiers in Pharmacology</i> 2022 Apr 6;13:850176. doi: 10.3389/fphar.2022.850176.	
396	Aggarwal S, Bhadana K, Singh B, Rawat M, Mohammad T, Al-Keridis LA, Alshammari N, Hassan MI, Das SN. Cinnamomum zeylanicum Extract and its Bioactive Component Cinnamaldehyde Show Anti-Tumor Effects via Inhibition of Multiple Cellular Pathways. <i>Front Pharmacol.</i> 2022 Jun 2;13:918479.	5.98
395	Alam M, Ashraf GM, Sheikh K, Khan A, Ali S, Ansari MM, Adnan M, Pasupuleti VR, Hassan MI. Potential Therapeutic Implications of Caffeic Acid in Cancer Signaling: Past, Present, and Future. <i>Front Pharmacol.</i> 2022 Mar 9;13:845871.	5.98
394	Shamsi A, DasGupta D, Alhumaydhi FA, Khan MS, Alsagaby SA, Al Abdulmonem W, Hassan MI, Yadav DK. Inhibition of MARK4 by serotonin as an attractive therapeutic approach to combat Alzheimer's disease and neuroinflammation. <i>RSC Medicinal Chemistry</i> 2022 Apr 20;13(6):737-745.	3.4
393	Alotaibi BS, Joshi J, Hasan MR, Khan MS, Alharethi SH, Mohammad T, Alhumaydhi FA, Elasalbi AM, Hassan MI. Identifying Isocononin and Candidissiol as Rho-associated protein kinase 1 (ROCK1) inhibitors: a combined virtual screening and MD simulation approach. <i>J Biomol Struct Dyn.</i> 2022 Aug 13:1-10. doi: 10.1080/07391102.2022.2111362.	5.2
392	Fatima U, Roy S, Ahmad S, Ali S, Elkady WM, Khan I, Alsaffar RM, Adnan M, Islam A, Hassan MI. Pharmacological attributes of Bacopa monnieri extract: Current updates and clinical manifestation. <i>Front Nutr.</i> 2022 Aug 18;9:972379.	6.5
391	Khan T, Waseem R, Zehra Z, Aiman A, Bhardwaj P, Ansari J, Hassan MI, Islam A. Mitochondrial Dysfunction: Pathophysiology and Mitochondria-Targeted Drug Delivery Approaches. <i>Pharmaceutics.</i> 2022; 14(12):2657.	6.5
390	Ali N, Zehra Z, Shamsi A, Beg MA, Parray ZA, Israil, Imam MA, Gaur NA, Hassan MI, Chaudhary AA, Rudayni HA, Alghonaim MI, Alsalamah SA, Islam A (2022) Elucidating the role of santalol as a potent inhibitor of tyrosinase: In vitro and In silico approaches. <i>Molceuls (In Press)</i>	4.2
389	Hassan MI, Anjum D, Mohammad T, Alam M, Khan MS, Shahwan M, Shamsi A, Yadav DK (2022) Integrated virtual screening and MD simulation study to discover potential inhibitors of Lyn-kinase: targeting cancer therapy. <i>Journal of Biomolecular Structure & Dynamics (In Press)</i>	5.2
388	Xue B, Chaddha M, Elasalbi AM, Zhu Z, Jairajpuri DS, Alhumaydhi FA, Mohammad T, Abdulmonem WA, Sharaf SE, Hassan MI. Death-Associated Protein Kinase 3 Inhibitors Identified by Virtual Screening for Drug Discovery in Cancer and Hypertension. <i>OMICS.</i> 2022 Jul;26(7):404-413.	3.98
387	Xue B, DasGupta D, Alam M, Khan MS, Wang S, Shamsi A, Islam A, Hassan MI. Investigating binding mechanism of thymoquinone to human transferrin, targeting Alzheimer's disease therapy. <i>Journal of Cellular Biochemistry</i> 2022 Jun 20.	4.48
386	Baig MH, Yousuf M, Khan MI, Khan I, Ahmad I, Alshahrani MY, Hassan MI, Dong JJ. Investigating the Mechanism of Inhibition of Cyclin-Dependent Kinase 6 Inhibitory Potential by Selonsertib: Newer Insights Into Drug Repurposing. <i>Frontiers in Oncology</i> 2022 May 26;12:865454.	5.73
385	Mohammad T, Singh P, Jairajpuri DS, Al-Keridis LA, Alshammari N, Adnan M, Dohare R, Hassan MI. Differential Gene Expression and Weighted Correlation Network Dynamics in High-Throughput Datasets of Prostate Cancer. <i>Frontiers in Oncology</i> 2022 Jun 1;12:881246. doi: 10.3389/fonc.2022.881246.	5.73

384	Ahmed S, Mobashir M, Al-Keridis LA, Alshammari N, Adnan A, Abid M and Hassan MI. A network-guided approach to discover phytochemical-based anticancer therapy targeting MARK4 for hepatocellular carcinoma. <i>Front. Oncol.</i> 2022, doi: 10.3389/fonc.2022.914032	5.73
383	Azeem, K., Ahmed, M., Mohammad, T., Uddin, A., Shamsi, A., Hassan, M. I., Singh, S., Patel, R., and Abid, M. A multi-spectroscopic and computational simulations study to delineate the interaction between antimalarial drug hydroxychloroquine and human serum albumin, <i>Journal of Biomolecular Structure and Dynamics</i> , 1-17.	5.2
382	Alam M, Alam S, Shamsi A, Adnan M, Elsbali AM, Al-Soud WA, Alreshidi M, Hawsawi YM, Tippana A, Pasupuleti VR, Hassan MI. Bax/Bcl-2 Cascade Is Regulated by the EGFR Pathway: Therapeutic Targeting of Non-Small Cell Lung Cancer. <i>Front Oncol.</i> 2022 Mar 25;12:869672. doi: 10.3389/fonc.2022.869672.	5.73
381	Alam M, Ahmed S, Elsbali AM, Adnan M, Alam S, Hassan MI, Pasupuleti VR. Therapeutic Implications of Caffeic Acid in Cancer and Neurological Diseases. <i>Front Oncol.</i> 2022 Mar 10;12:860508. doi: 10.3389/fonc.2022.860508.	5.73
380	Singh M, Jayant K, Bhutani S, Bhasin S, Mehra A, Poddar NK, Chaudhary A, Adnan M, Siddiqui AJ, Hassan MI, Khan FI, Lai D and Khan S, <i>Withania somnifera</i> (L.) Dunal (Ashwagandha) for the possible therapeutics and clinical management of SARS-CoV-2 infection: Plant-based drug discovery and targeted therapy. <i>Frontiers in Cellular and Infection Microbiology</i> 2022.	6.03
379	Rustagi V, Bajaj M, Tanvi, Singh P, Aggarwal R, AlAjmi MF, Hussain A, Hassan MI, Singh A, Singh IK. Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models. <i>Front Cell Infect Microbiol.</i> 2022 Feb 8;11:806265. doi: 10.3389/fcimb.2021.806265.	6.03
378	Parray ZA, Ahmad F, Chaudhary AA, Rudayni HA, Al-Zharani M, Hassan MI, Islam A. Size-Dependent Interplay of Volume Exclusion Versus Soft Interactions: Cytochrome c in Macromolecular Crowded Environment. <i>Front Mol Biosci.</i> 2022 May 25;9:849683. doi: 10.3389/fmolb.2022.849683.	6.11
377	Allai FM, Dar BN, Gul K, Adnan M, Ashraf SA, Hassan MI, Pasupuleti VR, Azad ZRAA. Development of Protein Rich Pregelatinized Whole Grain Cereal Bar Enriched With Nontraditional Ingredient: Nutritional, Phytochemical, Textural, and Sensory Characterization. <i>Front Nutr.</i> 2022 Apr 8;9:870819.	6.5
376	Yadav M, Pandey J, Chakraborty A, Hassan MI, Kundu JK, Roy A, Singh IK, Singh A. A Comprehensive Analysis of Calmodulin-Like Proteins of Glycine max Indicates Their Role in Calcium Signaling and Plant Defense Against Insect Attack. <i>Front Plant Sci.</i> 2022 Mar 9;13:817950. doi: 10.3389/fpls.2022.817950.	6.62
375	Waseem R, Shamsi A, Khan T, Hassan MI, Kazim SN, Shahid M, Islam A. Unraveling the Binding Mechanism of Alzheimer's Drugs with Irisin: Spectroscopic, Calorimetric, and Computational Approaches. <i>Int J Mol Sci.</i> 2022 May 25;23(11):5965. doi: 10.3390/ijms23115965.	6.2
374	Baig MH, Gupta P, Khan MI, Alajmi MF, Hussain A, Hassan MI, Dong JJ. Probing the interaction of Selonsertib with human serum albumin: In silico and in vitro approaches. <i>Curr Top Med Chem.</i> 2022 Mar 29.	3.57
373	Cheke RS, Patil VM, Firke SD, Ambhore JP, Ansari IA, Patel HM, Shinde SD, Pasupuleti VR, Hassan MI, Adnan M, Kadri A, Snoussi M. Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery. <i>Pharmaceuticals (Basel).</i> 2022 Feb 22;15(3):272.	5.2
372	Yousuf M, Ali A, Khan P, Anjum F, Elsbali AM, Islam A, Yadav DK, Shafie A, Rizwanul Haque QM, Hassan MI. Insights into the Antibacterial Activity of	4.92

	Prolactin-Inducible Protein against the Standard and Environmental MDR Bacterial Strains. <i>Microorganisms</i> . 2022 Mar 9;10(3):597.	
371	Guhe V, Anjum F, Shafie A, Hassan MI, Pasupuleti VR, Singh S. Infection Dynamics of ATG8 in Leishmania: Balancing Autophagy for Therapeutics. <i>Molecules</i> . 2022 May 13;27(10):3142. doi: 10.3390/molecules27103142.	4.92
370	Yang C, Alam A, Alhumaydhi FA, Khan MS, Alsagaby SA, Al Abdulmonem W, Hassan MI, Shamsi A, Bano B, Yadav DK. Bioactive Phytoconstituents as Potent Inhibitors of Tyrosine-Protein Kinase Yes (YES1): Implications in Anticancer Therapeutics. <i>Molecules</i> . 2022 May 10;27(10):3060. doi: 10.3390/molecules27103060.	4.92
369	Waseem R, Shamsi A, Mohammad T, Hassan MI, Kazim SN, Chaudhary AA, Rudayni HA, Al-Zharani M, Ahmad F, Islam A. FNDC5/Irisin: Physiology and Pathophysiology. <i>Molecules</i> . 2022 Feb 8;27(3):1118.	4.92
368	Choudhury A, Mohammad T, Anjum F, Shafie A, Singh IK, Abdullaev B, Pasupuleti VR, Adnan M, Yadav DK, Hassan MI. Comparative analysis of web-based programs for single amino acid substitutions in proteins. <i>PLoS One</i> . 2022 May 4;17(5):e0267084. doi: 10.1371/journal.pone.0267084.	3.75
367	Alam M, Hasan GM, Ansari MM, Sharma R, Yadav DK, Hassan MI. Therapeutic implications and clinical manifestations of thymoquinone. <i>Phytochemistry</i> . 2022 Aug;200:113213. doi: 10.1016/j.phytochem.2022.113213.	4.00
366	Anjum F, Sulaimani MN, Shafie A, Mohammad T, Ashraf GM, Bilgrami AL, Alhumaydhi FA, Alsagaby SA, Yadav DK, Hassan MI. Bioactive phytoconstituents as potent inhibitors of casein kinase-2: dual implications in cancer and COVID-19 therapeutics. <i>RSC Adv</i> . 2022 Mar 10;12(13):7872-7882.	4.03
365	Habib I, Anjum F, Mohammad T, Sulaimani MN, Shafie A, Almeahmadi M, Yadav DK, Sohal SS, Hassan MI. Differential gene expression and network analysis in head and neck squamous cell carcinoma. <i>Mol Cell Biochem</i> . 2022, 477(5):1361-1370.	3.85
364	Anjum F, Mohammad T, Asrani P, Shafie A, Singh S, Yadav DK, Uversky VN, Hassan MI. Identification of intrinsically disorder regions in non-structural proteins of SARS-CoV-2: New insights into drug and vaccine resistance. <i>Mol Cell Biochem</i> . 2022 May;477(5):1607-1619. doi: 10.1007/s11010-022-04393-5.	3.85
363	Mathur Y, Mohammad T, Anjum F, Shafie A, Elsbali AM, Uversky VN, Hassan MI. PyPAN: An automated graphical user interface for protein sequence and structure analyses. <i>Protein Pept Lett</i> . 2022, 29(4):306-312.	1.92
362	Waseem M, Kaushik P, Dutta S, Chakraborty R, Hassan MI, Parvez S. Modulatory Role of Quercetin in Mitochondrial Dysfunction in Titanium Dioxide Nanoparticle-Induced Hepatotoxicity. <i>ACS Omega</i> . 2022 Jan 21;7(4):3192-3202.	4.12
361	Idrees, D., Naqvi, A. A. T., Hassan, M. I., Ahmad, F., and Gourinath, S. Insight into the Conformational Transitions of Serine Acetyl Transferase Isoforms in <i>E. histolytica</i> : Implications for Structural and Functional Balance, <i>ACS Omega</i> . 2022, https://doi.org/10.1021/acsomega.2c02467	4.12
360	Ali S, Alam M, Khatoon F, Fatima U, Elsbali AM, Adnan M, Islam A, Hassan MI, Snoussi M, De Feo V. Natural products can be used in therapeutic management of COVID-19: Probable mechanistic insights. <i>Biomed Pharmacother</i> . 2022 Jan 20;147:112658.	7.4
359	Adnan M, Jairajpuri DS, Chaddha M, Khan MS, Yadav DK, Mohammad T, Elsbali AM, Abu Al-Soud W, Hussain Alharethi S, Hassan MI. Discovering Tuberosin and Villosol as Potent and Selective Inhibitors of AKT1 for Therapeutic Targeting of Oral Squamous Cell Carcinoma. <i>Journal of Personalized Medicine</i> . 2022; 12(7):1083.	3.50

358	Khan, S., Alhumaydhi, F.A., Khan, M.S., Sharaf, S.E., Al Abdulmonem, W., Hassan, M.I., Shamsi, A., and Kumar Yadav, D. Exploring binding mechanism of naringenin to human transferrin using combined spectroscopic and computational methods: Towards therapeutic targeting of neurodegenerative diseases. <i>Journal of Molecular Liquids</i> 2022, 356, 119001.	6.63
357	Anjum, F.; Joshia, N.; Mohammad, T.; Shafie, A.; Alhumaydhi, F. A.; Aljasir, M. A.; Shahwan, M. J. S.; Abdullaev, B.; Adnan, M.; Elsbali, A. M.; Pasupuleti, V. R.; Hassan, M. I., Impact of Single Amino Acid Substitutions in Parkinsonism-Associated Deglycase-PARK7 and Their Association with Parkinson's Disease. <i>Journal of Personalized Medicine</i> 2022, 12.	3.50
356	Yousuf M, Shamsi A, Anjum F, Shafie A, Islam A, Haque QMR, Elsbali AM, Yadav DK, Hassan MI. Effect of pH on the structure and function of cyclin-dependent kinase 6. <i>PLoS One</i> . 2022 Feb 11;17(2):e0263693.	3.75
355	Yousuf, M., Shamsi, A., Mohammad, T., Azum, N., Alfaifi, S. Y. M., Asiri, A. M., Mohamed Elsbali, A., Islam, A., Hassan, M. I., and Haque, Q. M. R. Inhibiting Cyclin-Dependent Kinase 6 by Taurine: Implications in Anticancer Therapeutics, <i>ACS Omega</i> , 2022. https://doi.org/10.1021/acsomega.2c03479	4.12
354	Waseem R, Anwar S, Khan S, Shamsi A, Hassan MI, Anjum F, Shafie A, Islam A, Yadav DK. MAP/Microtubule Affinity Regulating Kinase 4 Inhibitory Potential of Irisin: A New Therapeutic Strategy to Combat Cancer and Alzheimer's Disease. <i>Int J Mol Sci</i> . 2021 Oct 12;22(20):10986. doi: 10.3390/ijms222010986.	6.20
353	Shafie A, Khan S, Zehra, Mohammad T, Anjum F, Hasan GM, Yadav DK, Hassan MI. Identification of Phytoconstituents as Potent Inhibitors of Casein Kinase-1 Alpha Using Virtual Screening and Molecular Dynamics Simulations. <i>Pharmaceutics</i> . 2021 Dec 15;13(12):2157.	6.52
352	Anwar S, Khan S, Anjum F, Shamsi A, Khan P, Fatima H, Shafie A, Islam A, Hassan MI. Myricetin inhibits breast and lung cancer cells proliferation via inhibiting MARK4. <i>J Cell Biochem</i> . 2022, 123(2):359-374.	4.48
351	Wahiduzzaman, Kumar V, Anjum F, Shafie A, Elsbali AM, Islam A, Ahmad F, Hassan MI. Delineating the Aggregation-Prone Hotspot Regions (Peptides) in the Human Cu/Zn Superoxide Dismutase 1. <i>ACS Omega</i> . 2021 Dec 3;6(49):33985-33994.	4.12
350	Naqvi AAT, Anjum F, Shafie A, Badar S, Elsbali AM, Yadav DK, Hassan MI. Investigating host-virus interaction mechanism and phylogenetic analysis of viral proteins involved in the pathogenesis. <i>PLoS One</i> . 2021 Dec 16;16(12):e0261497.	3.75
349	Kumar D, Hassan MI. Neurodegenerative brain models vs. cell replacement or restoration therapy: A review on promises and pitfalls. <i>Biochem Biophys Res Commun</i> . 2021, 31;585:124-131.	3.56
348	Khatoon F, Kumar V, Shafie A, Naz F, Adnan M, Hassan MI, Frustration analysis of TBK1 missense mutations reported in ALS/FTD and cancer patients. <i>3 Biotech</i> 2022, DOI: 10.1007/s13205-022-03240-0.	2.89
347	Khan FI, Ali S, Chen W, Anjum F, Shafie A, Hassan MI, Lai D. High-resolution MD simulation studies to get mechanistic insights into the urea-induced denaturation of human Sphingosine kinase 1. <i>Curr Top Med Chem</i> . 2021 Nov 4. doi: 10.2174/1568026621666211105095731.	3.57
346	Adnan M, Siddiqui AJ, Hamadou WS, Ashraf SA, Hassan MI, Snoussi M, Badraoui R, Jamal A, Bardakci F, Awadelkareem AM, Sachidanandan M, Patel M. Functional and Structural Characterization of <i>Pediococcus pentosaceus</i> -Derived Biosurfactant and Its Biomedical Potential against Bacterial Adhesion, Quorum Sensing, and Biofilm Formation. <i>Antibiotics</i> . 2021; 10(11):1371.	5.22

345	Asrani P, Tiwari K, Eapen MS, McAlinden KD, Haug G, Johansen MD, Hansbro PM, Flanagan KL, Hassan MI, Sohal SS. Clinical features and mechanistic insights into drug repurposing for combating COVID-19. <i>Int J Biochem Cell Biol.</i> 2021 Nov 5;106114. doi: 10.1016/j.biocel.2021.106114.	5.62
344	Alam, M.; Ali, S.; Ahmed, S.; Elasalbi, A.M.; Adnan, M.; Islam, A.; Hassan, M.I.; Yadav, D.K. Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. <i>International Journal of Molecular Sciences</i> 2021, 22.	6.20
343	Raina N, Hassan MI, Ahmad F, Islam A, Singh AK. PEG mediated destabilization of holo α -lactalbumin probed by in silico and in vitro studies: deviation from excluded volume effect. <i>J Biomol Struct Dyn.</i> 2021 Nov 2;1-13.	5.22
342	AlAjmi, M.F.; Khan, S.; Choudhury, A.; Mohammad, T.; Noor, S.; Hussain, A.; Lu, W.; Eapen, M.S.; Chimankar, V.; Hansbro, P.M.; et al. Impact of Deleterious Mutations on Structure, Function and Stability of Serum/Glucocorticoid Regulated Kinase 1: A Gene to Diseases Correlation. <i>Frontiers in Molecular Biosciences</i> 2021, 8.	6.11
341	Kumar D, Yadav DK, Hassan MI (2021) Topical insights into the post-approval controversies of Aducanumab. <i>Frontiers in Pharmacology</i> , 12:787303.	5.98
340	Kumar D, Hassan MI. Ultra-sensitive techniques for detecting neurological biomarkers: Prospects for early diagnosis. <i>Biochem Biophys Res Commun.</i> 2021 Nov 2;584:15-18.	3.56
339	Mohammad T, Choudhury A, Habib I, Asrani P, Mathur Y, Umair M, Anjum F, Shafie A, Yadav DK, Hassan MI. Genomic Variations in the Structural Proteins of SARS-CoV-2 and Their Deleterious Impact on Pathogenesis: A Comparative Genomics Approach. <i>Front Cell Infect Microbiol.</i> 2021 Oct 13;11:765039.	6.11
338	Shafie A, Khan S, Batra S, Anjum F, Mohammad T, Alam S, Yadav DK, Islam A, Hassan MI. Investigating single amino acid substitutions in PIM1 kinase: A structural genomics approach. <i>PLoS One.</i> 2021 Oct 22;16(10):e0258929.	3.75
337	Roy RK, Sharma U, Wasson MK, Jain A, Hassan MI, Prakash H. Macrophage Activation Syndrome and COVID 19: Impact of MAPK Driven Immune-Epigenetic Programming by SARS-Cov-2. <i>Front Immunol.</i> 2021 Oct 1;12:763313.	8.78
336	Alam M, Ali S, Mohammad T, Hasan GM, Yadav DK, Hassan MI. B Cell Lymphoma 2: A Potential Therapeutic Target for Cancer Therapy. <i>Int J Mol Sci.</i> 2021 Sep 28;22(19):10442. doi: 10.3390/ijms221910442.	6.20
335	Alam S, Mohammad T, Padder RA, Hassan MI, Husain M. Thymoquinone and quercetin induce enhanced apoptosis in non-small cell lung cancer in combination through the Bax/Bcl2 cascade. <i>J Cell Biochem.</i> 2022, 123(2):259-274.	4.46
334	Raman C, Qayyum S, Mohammad T, Hassan MI, Slominski R, (2021). Vitamin D and lumisterol novel metabolites can inhibit SARS-COV-2 replication machinery enzymes. <i>American Journal of Physiology-Endocrinology and Metabolism</i> 321(2):E246-E251.	5.96
333	Rathi A, Kumar D, Hasan GM, Haque MM, Hassan MI. Therapeutic targeting of PIM KINASE signaling in cancer therapy: Structural and clinical prospects. <i>Biochim Biophys Acta Gen Subj.</i> 2021 Aug 26;1865(11):129995.	4.11
332	Anjum F, Mohammad T, Almalki AA, Akhtar O, Abdullaev B, Hassan MI. Phytoconstituents and Medicinal Plants for Anticancer Drug Discovery: Computational Identification of Potent Inhibitors of PIM1 Kinase. <i>OMICS.</i> 2021, 25(9):580-590.	3.98

331	Ali S, Alam M, Hasan GM, Hassan MI. Potential therapeutic targets of Klebsiella pneumoniae: a multi-omics review perspective. Brief Funct Genomics. 2022, 21(2):63-77.	4.25
330	Ahmad Parray Z, Naqvi AAT, Ahmad F, Hassan MI, Islam A. (2021) Characterization of different intermediate states in myoglobin induced by polyethylene glycol: a process of spontaneous molecular self-organization foresees the energy landscape theory via in vitro and in silico approaches. Journal of Molecular Liquids.117502.	6.63
329	Anwar, S., DasGupta, D., Shafie, A., Alhumaydhi, F.A., Alsagaby, S.A., Shahwan, M., Anjum, F., Al Abdulmonem, W., Sharaf, S.E., and Imtaiyaz Hassan, M. Implications of tempol in pyruvate dehydrogenase kinase 3 targeted anticancer therapeutics: Computational, spectroscopic, and calorimetric studies. Journal of Molecular Liquids 2022, 350, 118581.	6.63
328	Anwar, S., DasGupta, D., Azum, N., Alfai, S.Y.M., Asiri, A.M., Alhumaydhi, F.A., Alsagaby, S.A., Sharaf, S.E., Shahwan, M., and Hassan, M.I. Inhibition of PDK3 by artemisinin, a repurposed antimalarial drug in cancer therapy. Journal of Molecular Liquids 2022, 355, 118928.	6.63
327	Moyad S, Fahad AA, Ameen SSA, Aljasir MA, Alsagaby SA, Abdulmonem WA, Hassan MI, Islam A, (2021) Spectroscopic, Calorimetric and In silico Insight into the Molecular Interactions of Memantine with Human Transferrin: Implications of Alzheimer's drugs. Int J Biol Macromol. 190:660-666.	8.02
326	Alhumaydhi, F. A., Aljasir, M. A., Aljohani, A. S. M., Alsagaby, S. A., Alwashmi, A. S. S., Shahwan, M., Hassan, M. I., Islam, A. & Shamsi, A. (2021). Probing the interaction of memantine, an important Alzheimer's drug, with human serum albumin: In silico and in vitro approach. Journal of Molecular Liquids, 116888.	6.63
325	Anwar S, Khan S, Shamsi A, Anjum F, Shafie A, Islam A, Ahmad F, Hassan MI. (2021) Structure-based investigation of MARK4 inhibitory potential of Naringenin for therapeutic management of cancer and neurodegenerative diseases. J Cell Biochem. 122(10):1445-1459. doi: 10.1002/jcb.30022. PMID: 34121218.	4.46
324	Alam M, Hasan GM, Hassan MI. (2021) A review on the role of TANK-binding kinase 1 signaling in cancer. Int J Biol Macromol. 183:2364-2375.	8.02
323	Singh A, Panwar R, Mittal P, Hassan MI, Singh IK. (2021) Plant cytochrome P450s: Role in stress tolerance and potential applications for human welfare. Int J Biol Macromol. 24;184:874-886.	8.02
322	Ahmed A, Shamsi A, Mohammad T, Hasan GM, Islam A, Hassan MI. (2021) Aurora B kinase: a potential drug target for cancer therapy. J Cancer Res Clin Oncol. 147(8):2187-2198. doi: 10.1007/s00432-021-03669-5.	4.32
321	Khairat SHM, Omar MA, Ragab FAF, Roy S, Turab Naqvi AA, Abdelsamie AS, Hirsch AKH, Galal SA, Hassan MI, El Diwani HI. Design, synthesis, and biological evaluation of novel benzimidazole derivatives as sphingosine kinase 1 inhibitor. Arch Pharm 354(9):e2100080.	2.59
320	Khan, M.S., Husain, M.F., Alhumaydhi, F.A., Alwashmi, A.S.S., Rehman, M. T., Alruwetei, A.M., Hassan, M.I., Islam, A. and Shamsi, A. (2021) Exploring the molecular interactions of Galantamine with human Transferrin: In-silico and in vitro insight. Journal of Molecular Liquids, 335, 116227.	6.63
319	Parray, Z.A., Ahmad, F., Hassan, M.I., Ahmed, A., Almajhdi, F.N., Malik, A., Hussain, T. and Islam, A. (2021) Structural Refolding and Thermal Stability of Myoglobin in the Presence of Mixture of Crowders: Importance of Various Interactions for Protein Stabilization in Crowded Conditions. Molecules 26, 2807.	4.98

318	Habib I, Khan S, Mohammad T, Hussain A, Alajmi MF, Rehman T, Anjum F, Hassan MI. Impact of non-synonymous mutations on the structure and function of telomeric repeat binding factor 1. J Biomol Struct Dyn. 2021 May 13:1-14.	5.2
317	Choudhury A, Mohammad T, Samarth N, Hussain A, Rehman MT, Islam A, Alajmi MF, Singh S, Hassan MI. Structural genomics approach to investigate deleterious impact of nsSNPs in conserved telomere maintenance component 1. Sci Rep. 2021 May 13;11(1):10202.	4.37
316	Yousuf M, Shamsi A, Queen A, Shahbaaz M, Khan P, Hussain A, Alajmi MF, Rizwanul Haque QM, Hassan MI. Targeting cyclin-dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: combined computational and biochemical studies. J Cell Biochem. 2021, 122(8):897-910.	4.48
315	Gupta D, Tiwari P, Haque MA, Sachdeva E, Hassan MI, Ethayathulla AS, Kaur P. 2021. Structural insights into the transient closed conformation and pH dependent ATPase activity of <i>S. Typhi</i> GyraseB N- terminal domain. Archives of Biochemistry and Biophysics 701:108786.	4.01
314	Khan A, Khan F, Shahwan M, Khan MS, Husain FM, Rehman MT, Hassan MI, Islam A, Shamsi A. 2021. Mechanistic insight into the binding of graphene oxide with human serum albumin: Multispectroscopic and molecular docking approach. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 256:119750.	4.01
313	Gupta, P.; Taiyab, A.; Hussain, A.; Alajmi, M.F.; Islam, A.; Hassan, M.I. (2021) Targeting Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. Cancers 13(8):1898.	6.63
312	Ali S, Liu X, Sen L, Lan D, Wang J, Hassan MI, Wang Y. (2021) Sequence and structure-based method to predict diacylglycerol lipases in protein sequence. International Journal of Biological Macromolecules 182:455-463.	8.02
311	Shamsi A, Mohammad T, Anwar S, Amani S, Khan MS, Husain FM, Rehman MT, Islam A, Hassan MI. Potential drug targets of SARS-CoV-2: From genomics to therapeutics. International Journal of Biological Macromolecules 177:1-9.	8.02
310	Nazam F, Shaikh S, Nazam N, Alshahrani AS, Hasan GM, Hassan MI. Mechanistic insights into the pathogenesis of neurodegenerative diseases: towards the development of effective therapy. Mol Cell Biochem. 476(7):2739-2752.	3.85
309	Nasreen K, Parray ZA, Shamsi A, Ahmad F, Ahmed A, Malik A, Lakhrm NA, Hassan MI, Islam A. Crowding Milieu stabilizes apo-myoglobin against chemical-induced denaturation: Dominance of hardcore repulsions in the heme devoid protein. International Journal of Biological Macromolecules 181:552-560.	8.02
308	Verma P, Hassan MI, Singh A, Singh IK (2021) Design and development of novel inhibitors of aldo-ketoreductase 1C1 as potential lead molecules in treatment of breast cancer. Mol Cell Biochem 476(8):2975-2987	3.85
307	Waseem R, Shamsi A, Mohammad T, Alhumaydhi FA, Kazim SN, Hassan MI, Ahmad F, Islam A. Multispectroscopic and Molecular Docking Insight into Elucidating the Interaction of Irisin with Rivastigmine Tartrate: A Combinational Therapy Approach to Fight Alzheimer's Disease. ACS Omega. 6(11):7910-7921.	4.25
306	Shamsi A, Shahwan M, Khan MS, Husain FM, Alhumaydhi FA, Aljohani ASM, Rehman MT, Hassan MI, Islam A. Elucidating the Interaction of Human Ferritin with Quercetin and Naringenin: Implication of Natural Products in Neurodegenerative Diseases: Molecular Docking and Dynamics Simulation Insight. ACS Omega 6(11):7922-7930.	4.25
305	Bashir S, Ahanger IA, Shamsi A, Alajmi MF, Hussain A, Choudhry H, Ahmad F, Hassan MI, Islam A. (2021) Trehalose Restrains the Fibril Load towards α -	6.06

	Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> 11(3):414.	
304	Roy S, Khan S, Jairajpuri DS, Hussain A, AlAjmi MF, Islam A, Luqman S, Parvez S, Hassan MI (2021) Investigation of sphingosine kinase 1 inhibitory potential cinchonine and colcemid targeting anti-cancer therapy. <i>Journal of Biomolecular Structure and Dynamics</i> (In Press)	5.2
303	Parray ZA, AlAjmi MF, Hassan MI, Hussain A, Ahmad F and Islam A (2021) Interaction of polyethylene glycol with cytochrome c investigated via various in vitro and in silico approaches provides crucial information to fight cancer using crowding-induced alternative modes. <i>Scientific Reports</i> 11(1):6475.	4.37
302	Naiyer A, Khan B, Hussain A, AlAjmi MF, Hassan MI, Islam A, Sundd M, Ahmad F, (2021) Stability of uniformly labeled (¹³ C and ¹⁵ N) cytochrome c and its L94G mutant. <i>Scientific Reports</i> 11(1):6804.	4.37
301	Ahanger IA, Bashir S, Parray ZA, AlAjmi MF, Hussain A, Ahmad F, Hassan MI, Islam A, Sharma A. (2021) Rationalizing the Role of Monosodium Glutamate in the Protein Aggregation Through Biophysical Approaches: Potential Impact on Neurodegeneration. <i>Front Neurosci</i> 15:636454.	5.15
300	Sharma, P., Yadav, V., Kumari, S., Ghosh, D., Rawat, P., Vij, A., Srivastava, C., Saini, S., Sharma, V., Hassan, M. I., and Majumder, S. (2021) Deciphering the potent application of nanobentonite and α -Fe ₂ O ₃ /bentonite nanocomposite in dye removal: revisiting the insights of adsorption mechanism, <i>Applied Nanoscience</i> . (In Press)	3.67
299	Ahanger IA, Parray ZA, Nasreen K, Ahmad F, Hassan MI, Islam A, Sharma A. (2021) Heparin Accelerates the Protein Aggregation via the Downhill Polymerization Mechanism: Multi-Spectroscopic Studies to Delineate the Implications on Proteinopathies. <i>ACS Omega</i> . 6(3):2328-2339.	4.25
298	Jairajpuri DS, Hussain A, Nasreen K, Mohammad T, Anjum F, Rehman T, Mustafa Hasan G, AlAjmi MF, Hassan MI. (2021) Identification of natural compounds as potent inhibitors of SARS-CoV-2 main protease using combined docking and molecular dynamics simulations. <i>Saudi J Biol Sci</i> . doi: 10.1016/j.sjbs.2021.01.040.	4.2
297	Asrani P, Nasreen K, Hussain A, Amir S, AlAjmi MF, Sohal SS and Hassan MI (2021). Guidelines and safety considerations in the laboratory diagnosis of SARS-CoV-2 infection: A prerequisite study for health professionals. <i>Risk Management and Healthcare Policy</i> 2021, 379–389.	3.2
296	Asrani P, Eapen MS, Chia C, Haug G, Weber HC, Hassan MI, Sohal SS. (2020) Diagnostic approaches in COVID-19: clinical updates. <i>Expert Rev Respir Med</i> . 15(2):197-212.	4.3
295	Asrani P, and Hassan MI (2020) SARS-CoV-2 mediated lung inflammatory responses in host: targeting the cytokine storm for therapeutic interventions. <i>Molecular and Cellular Biochemistry</i> 476(2):675-687.	3.87
294	Shakeel I, Basheer N, Hasan GM, Afzal M, Hassan MI (2021) Polo-like Kinase 1 as an emerging drug target: Structure, function and therapeutic implications. <i>J Drug Target</i> 29(2):168-184.	5.12
293	Fatima U, Rizvi SSA, Raina S, Fatima S, and Hassan MI (2021) Therapeutic management of COVID-19 patients: Clinical manifestation and limitations. <i>Current Pharmaceutical Design</i> . 27(41):4223-4231.	3.11
292	Singh A, Kumari P, Hasan GM, Singh IK, Hassan MI. (2021) Emerging therapeutic approaches to COVID-19. <i>Current Pharmaceutical Design</i> 27(31):3370-3388.	3.11
291	Naiyer, A., Khan, B., Islam, A., Hassan, M.I., Sundd, M., and Ahmad, F. (2022). Heme-iron ligand (M80-Fe) in cytochrome c is destabilizing: combined in vitro and in silico	5.2

	approaches to monitor changes in structure, stability and dynamics of the protein on mutation. <i>Journal of Biomolecular Structure and Dynamics</i> 40(9):4122-4139.	
290	Shamsi A, Anwar S, Mohammad T, Hassan MI, Ahmad F and Islam A (2022) Insight into the binding of PEG-400 with eye protein alpha-crystallin: Multi spectroscopic and computational approach: Possible therapeutics targeting eye diseases. <i>Journal of Biomolecular Structure and Dynamics</i> 40(10):4496-4506.	5.2
289	Khan S, Fakhar Z, Hussain A, Ahmad A, Jairajpuri DS, Alajmi MF, Hassan MI. (2022) Structure-based identification of potential SARS-CoV-2 main protease inhibitors. <i>Journal of Biomolecular Structure & Dynamics</i> 40(8):3595-3608.	5.2
288	Mahapatra AD, Queen A, Khan P, Yousuf M, Hussain A, AlAjmi MF, Rehman MT, Datta B and Hassan MI (2022) Design and Development of 5-(4H)-oxazolones as potential Inhibitors of Human Carbonic Anhydrase VA: Towards Therapeutic Management of Diabetes and Obesity. <i>Journal of Biomolecular Structure & Dynamics</i> 40(7):3144-3154.	5.2
287	Almary, K.A., Srivastava, S., Shahbaaz, M., Gupta, P., Khan, P., Syed, S. B., Azum, N., Asiri, A. M., Islam, A., Ahmad, F., and Hassan, M. I. (2021) Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase by urea-induced denaturation. <i>Journal of Biomolecular Structure and Dynamics</i> 39(15):5516-5525.	5.2
286	Naqvi AAT, Jairajpuri DS, Hussain A, Hasan GM, Alajmi MF, Hassan MI (2021) Impact of glioblastoma multiforme associated mutations on the structure and function of MAP/Microtubule affinity regulating kinase 4. <i>Journal of Biomolecular Structure and Dynamics</i> 39(5):1781-1794.	5.2
285	Kumar B, Mohammad T, Uddin A, Hussain A, Islam A, Ahmad F, Alajmi MF, Singh S, Pandey KC, Hassan MI, Abid M. (2021) Targeting metacaspase-3 from Plasmodium falciparum towards antimalarial therapy: A combined approach of in-silico and in-vitro investigation. <i>Journal of Biomolecular Structure and Dynamics</i> 39(2):421-430.	5.2
284	Amir M, Ahamad S, Mohammad T, Jairajpuri DS, Hasan GM, Dohare R, Islam A, Ahmad F, Hassan M (2021) Investigation of conformational dynamics of Tyr89Cys mutation in protection of telomeres 1 gene associated with familial melanoma. <i>Journal of Biomolecular Structure and Dynamics</i> 39(1):35-44.	5.2
283	Mohammad T, Arif K, Alajmi MF, Hussain A, Islam A, Rehman MT, Hassan I. (2020) Identification of high-affinity inhibitors of pyruvate dehydrogenase kinase-3: towards therapeutic management of cancer. <i>Journal of Biomolecular Structure and Dynamics</i> 39(2):586-594.	5.2
282	Khan A, Mohammad T, Shamsi A, Hussain A, AlAjmi MF, Husain SA, Iqbal MA and Hassan MI (2021) Identification of Plant-based Hexokinase 2 Inhibitors: Combined Molecular Docking and Dynamics Simulation Studies. <i>J Biomol Struct Dyn.</i> (In Press)	5.2
281	Galal SA, Omar MA, Khairat SMH, Ragab FAF, Naqvi AAT, Hassan MI, Diwani HI (2021) Design and synthesis of new pyrazolylbenzimidazoles as sphingosine 1-kinase inhibitors, <i>Medicinal Chemistry Research</i> 30, 1614–1634.	2.3
280	Umair M, Khan S, Mohammad T, Shafie A, Anjum F, Islam A, Hassan MI. (2021) Impact of single amino acid substitution on the structure and function of TANK-binding kinase-1. <i>J Cell Biochem</i> 122(10):1475-1490.	4.48
279	Mohammad T, Amir M, Prasad K, Batra S, Kumar V, Hussain A, Rehman MT, AlAjmi MF, Hassan MI. (2020) Impact of amino acid substitution in the kinase domain of Bruton tyrosine kinase and its association with X-linked agammaglobulinemia. <i>Int J Biol Macromol</i> 164:2399-2408.	8.02

278	Kumari S, Sharma P, Ghosh D, Shandilya M, Rawat P, Hassan MI, Moulick RG, Bhattacharya J, Srivastava C, Majumder S. Time-dependent study of graphene oxide-trypsin adsorption interface and visualization of nano-protein corona. <i>Int J Biol Macromol.</i> 163:2259-2269.	8.02
277	Asrani P, Hasan GM, Sohal SS and Hassan MI (2020) Molecular Basis of Pathogenesis of Coronaviruses: A Comparative Genomics Approach to Planetary Health to Prevent Zoonotic Outbreaks in the 21 st Century. <i>OMICS</i> 24(11):634-644.	3.87
276	Peerzada, M.N., Khan, P., Khan, N.S., AVECILLA, F., Siddiqui, S.M., Hassan, M.I., and Azam, A. (2020). Design and Development of Small-Molecule Arylaldoxime/5-Nitroimidazole Hybrids as Potent Inhibitors of MARK4: A Promising Approach for Target-Based Cancer Therapy. <i>ACS Omega</i> 5(36):22759-22771.	4.25
275	Peerzada, M.N., Khan, P., Khan, N.S., Gaur, A., AVECILLA, F., Hassan, M.I., and Azam, A. (2020). Identification of morpholine based hydroxylamine analogues: Selective inhibitors of MARK4/Par-1d causing cancer cell death through apoptosis. <i>New Journal of Chemistry</i> 44, 16626-16637.	3.59
274	Roy, S., Mohammad, T., Gupta, P., Dahiya, R., Parveen, S., Luqman, S., Hasan, G.M. and Hassan, M.I., 2020. Discovery of Harmaline as a Potent Inhibitor of Sphingosine Kinase-1: A Chemopreventive Role in Lung Cancer. <i>ACS Omega</i> 5(34):21550-21560.	4.25
273	Kumari P, Singh A, Ngasainao MR, Shakeel I, Kumar S, Lal S, Singhal A, Sohal SS, Singh IK, Hassan MI. (2020) Potential diagnostics and therapeutic approaches in COVID-19. <i>Clin Chim Acta.</i> 510:488-497.	3.78
272	Parray ZA, Ahmad F, Hassan MI, Islam A. (2020) Conformational changes in cytochrome c directed by ethylene glycol accompanying complex formation: Protein-solvent preferential interaction or/and kosmotropic effect. <i>Spectrochim Acta A Mol Biomol Spectrosc</i> 242:118788.	4.01
271	Raina N, Singh AK, Hassan MI, Ahmad F, Islam A. (2020) Concentration dependent effect of ethylene glycol on the structure and stability of holo α -lactalbumin: Characterization of intermediate state amidst soft interactions. <i>International Journal of Biological Macromolecules</i> 164:2151-2161.	8.02
270	Ahmad, S. I., Ahmad, R., Khan, M. S., Kant, R., Shahid, S., Gautam, L., Hasan, G. M., and Hassan, M. I. (2020) Chitin and its derivatives: Structural properties and biomedical applications, <i>International Journal of Biological Macromolecules</i> 164, 526-539.	8.02
269	Khan F. I., Gupta P., Almary, K.A., Azum, N., Asiri, A. M., Lai, D., and Hassan, M. I. (2020) Mechanistic the urea-induced denaturation of human sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> 161:1496-1505.	8.02
268	Uddin A, Singh V, Irfan I, Mohammad T, Singh Hada R, Hassan MI, Abid M, Singh S. (2020) Identification and structure-activity relationship (SAR) studies of carvacrol derivatives as potential anti-malarial against <i>Plasmodium falciparum</i> falcipain-2 protease. <i>Bioorg Chem.</i> 103:104142.	5.52
267	Mohammad, T., Shamsi, A., Anwar, S., Hussain, A., Rehman, M. T., AlAjmi, M. F., Islam, A., and Hassan, M. I. (2020) Identification of high-affinity inhibitors of SARS-CoV-2 main protease: Towards the development of effective COVID-19 therapy, <i>Virus Research</i> 288:198102.	5.2
266	Shamsi A, Anwar S, Shahbaaz M, Mohammad T, AlAjmi MF, Hussain A, Hassan MI, Ahmad F and Islam A (2020) Evaluation of binding of Rosmarinic acid with human transferrin and its impact on protein structure: Targeting polyphenolic acid-induced protection of neurodegenerative disorders. <i>Oxidative Medicine and Cellular Longevity.</i> 2020:1245875.	7.31

265	Anwar, S., Shamsi, A., Kar, R. K., Queen, A., Islam, A., Ahmad, F., and Hassan, M. I. (2020) Structural and biochemical investigation of MARK4 inhibitory potential of cholic acid: Towards therapeutic implications in neurodegenerative diseases. <i>Int J Biol Macromol</i> 161, 596-604.	8.02
264	Fatima U, Rizvi SSA, Fatima S, and Hassan MI (2020) Impact of Hydroxychloroquine/chloroquine in COVID-19 therapy: Two sides of the coin. <i>Journal of Interferon and Cytokine Research</i> 40(10):469-471.	3.65
263	Naqvi AAT, Fatima K, Mohammad T, Fatima U, Singh IK, Singh A, Atif SM, Hariprasad G, Hasan GM, Hassan MI. (2020) Insights Into SARS-CoV-2 Genome, Structure, Evolution, Pathogenesis and Therapies: Structural Genomics Approach. <i>Biochim Biophys Acta Mol Basis Dis.</i> 1866(10):165878.	6.63
262	Amir M, Alam A, Ishrat R, Alajmi MF, Hussain A, Rehman T, Islam A, Ahmad F, Hassan I, Dohare R. (2020) A Systems View of the Genome Guardians: Mapping the Signaling Circuitry Underlying Oligonucleotide/Oligosaccharide-Binding Fold Proteins. <i>OMICS</i> 24(9):518-530.	3.87
261	Gupta, P., Khan, S., Fakhr, Z., Hussain, A., Alajmi, M. F., Rehman, M. T., Islam, A., Ahmad, F., and Hassan, M. I. (2020) Identification of Potential inhibitors of Calcium/calmodulin-dependent Protein Kinase IV from Bioactive Phytoconstituents. <i>Oxidative Medicine and Cellular Longevity</i> 2020, 2094635.	7.31
260	Dahiya, R.; Mohammad, T.; Alajmi, M.F.; Rehman, M.T.; Hasan, G.M.; Hussain, A.; Hassan, M.I. Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> 2020, 10, 882.	6.06
259	Singh, S.; Tyagi, C.; Rather, I.A.; Sabir, J.S.; Hassan, M.I.; Singh, A.; Singh, I.K. Molecular Modeling of Chemosensory Protein 3 from <i>Spodoptera litura</i> and Its Binding Property with Plant Defensive Metabolites. <i>Int. J. Mol. Sci.</i> 2020, 21, 4073.	6.20
258	Roy, S.; Mahapatra, A.D.; Mohammad, T.; Gupta, P.; Alajmi, M.F.; Hussain, A.; Rehman, M.T.; Datta, B.; Hassan, M.I. Design and Development of Novel Urea, Sulfonylurea, and Sulfonamide Derivatives as Potential Inhibitors of Sphingosine Kinase 1. <i>Pharmaceuticals</i> 2020, 13, 118.	5.86
257	Shamsi, A.; Anwar, S.; Mohammad, T.; Alajmi, M.F.; Hussain, A.; Rehman, M.T.; Hasan, G.M.; Islam, A.; Hassan, M.I. MARK4 Inhibited by AChE Inhibitors, Donepezil and Rivastigmine Tartrate: Insights into Alzheimer's Disease Therapy. <i>Biomolecules</i> , 10, 789.	6.06
256	Shamsi, A.; Mohammad, T.; Anwar, S.; Alajmi, M.F.; Hussain, A.; Rehman, M.T.; Islam, A.; Hassan, M.I. (2020) Glecaprevir and Maraviroc are high-affinity inhibitors of SARS-CoV-2 main protease: Possible therapeutic implication in COVID-19. <i>Bioscience Report</i> 40 (6): BSR20201256.	4.84
255	Jairajpuri D, Mohammad T, Adhikari K, Gupta P, Hasan GM, Alajmi MF, Rehman MT, Hussain A, and Hassan, MI (2020) Identification of Sphingosine kinase-1 inhibitors from bioactive natural products targeting cancer therapy. <i>ACS Omega</i> 5(24):14720-14729.	4.25
254	Parray, Z. A., Ahmad, F., Hassan, M. I., Hasan, I., and Islam, A. (2020) Effects of Ethylene Glycol on the Structure and Stability of Myoglobin Using Spectroscopic, Interaction, and In Silico Approaches: Monomer Is Different from Those of Its Polymers. <i>ACS Omega</i> 5, 13840-13850.	4.25
253	Anwar, S., Shamsi, A., Shahbaaz, M., Queen, A., Khan, P., Hasan, G. M., Islam, A., Alajmi, M. F., Hussain, A., Ahmad, F., and Hassan, M. I. (2020) Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. <i>Sci Rep</i> 10, 10300.	4.36

252	Khan NS, Khan P, Inam A, Ahmad K, Yousuf M, Islam A, Ali S, Azam A, Husain M, and Hassan MI (2020) Discovery of 4-(2-(dimethylamino) ethoxy) benzo-hydrazide derivatives as prospective microtubule affinity regulating kinase 4 inhibitors. <i>RSC Advances</i> 10, 20129-20137.	4.36
251	Khan, S. H., Prakash, A., Pandey, P., Islam, A., Hassan, M. I., Lynn, A. M., & Ahmad, F. (2020). Effects of natural mutations (L94I and L94V) on the stability and mechanism of folding of horse cytochrome c: A combined in vitro and molecular dynamics simulations approach. <i>International Journal of Biological Macromolecules</i> 159:976-985.	8.02
250	Shahbaaz, M., Potemkin, V., Bisetty, K., Hassan, M. I., & Hussien, M. A. (2020). Classification and functional analyses of putative virulence factors of Mycobacterium tuberculosis: A combined sequence and structure-based study. <i>Computational Biology and Chemistry</i> 87:107270.	3.73
249	Anwar, S.; Mohammad, T.; Shamsi, A.; Queen, A.; Parveen, S.; Luqman, S.; Hasan, G.M.; Alamry, K.A.; Azum, N.; Asiri, A.M.; Hassan, M.I. (2020) Discovery of Hordenine as a Potential Inhibitor of Pyruvate Dehydrogenase Kinase 3: Implication in Lung Cancer Therapy. <i>Biomedicines</i> 8(5): E119.	6.08
248	Yousuf M, Shamsi A, Khan P, Shahbaaz M, AlAjmi MF, Hussain A, Hasan GM, Islam A, Haque QMR and Hassan MI (2020) Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via inhibition of Cyclin-Dependent Kinase 6. <i>International Journal of Molecular Sciences</i> 21(10): E3526.	6.02
247	Amir M, Mohammad T, Dohare R, Islam A, Ahmad F and Hassan MI (2020) Structure, function and therapeutic implications of OB-fold proteins: A lesson from past to present. <i>Briefings in Functional Genomics</i> 19(5-6):377-389.	4.24
246	Aneja B, Queen A, Khan P, Shamsi S, Hasan P, Rizvi MA, Daniliuc CG, Hassan MI and Abid M (2020) Design, synthesis & biological evaluation of ferulic acid-based inhibitors targeting tumor-associated carbonic anhydrase IX. <i>Bioorganic and Medicinal Chemistry</i> 28, 115424.	3.64
245	Shamsi F, Hasan P, Hussain A, Khan PK, Zeya B, King H, Rana S, Garrison J, Queen A, AlAjmi MF, Rizvi MA, Zahid M, Hassan MI, Abid M (2020) Synthesis and SAR studies of novel 1,2,4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. <i>Bioorganic Chemistry</i> 98, 103754.	5.27
244	Nasreen K, Parray ZA, Ahamad S, Ahmed A, Alamery SF, Ahmad F, Hassan MI, Islam A. (2020) Interactions under Crowding Milieu: Chemical-induced denaturation of myoglobin is determined by the extent of heme dissociation on interaction with crowders. <i>Biomolecules</i> 10(3) E490.	6.06
243	Mohammad T, Siddiqui S, Shamsi A, Alajmi MF, Hussain A, Islam A, Ahmad F, Hassan MI. (2020) Virtual Screening Approach to Identify High-Affinity Inhibitors of Serum and Glucocorticoid-Regulated Kinase 1 among Bioactive Natural Products: Combined Molecular Docking and Simulation Studies. <i>Molecules</i> 25(4).	4.98
242	Parray ZA, Ahmad F, Alajmi MF, Hussain A, Hassan MI, Islam A. (2020) Formation of molten globule state in horse heart cytochrome c under physiological conditions: Importance of soft interactions and spectroscopic approach in crowded milieu. <i>International Journal of Biological Macromolecules</i> 148:192-200.	8.02
241	Bansal R, Haque MA, Hassan MI, Ethayathulla AS, Kaur P. (2020) Structural and conformational behavior of MurE ligase from Salmonella enterica serovar Typhi at different temperature and pH conditions. <i>International Journal of Biological Macromolecules</i> 150:389-399.	8.02

240	Amir, M.; Khan, P.; Queen, A.; Dohare, R.; Alajmi, M.F.; Hussain, A.; Islam, A.; Ahmad, F.; Hassan, I. Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. <i>Cells</i> 2020, 9, 359.	7.66
239	Shamsi A, Mohammad T, Anwar S, Alajmi MF, Hussain A, Hassan MI, Ahmad F, Islam A. (2020) Probing the interaction of Rivastigmine Tartrate, an important Alzheimer's drug, with serum albumin: Attempting treatment of Alzheimer's disease. <i>International Journal of Biological Macromolecules</i> 148:533-542.	8.02
238	Turab Naqvi AA, Hasan GM, Hassan MI . (2020) Targeting tau hyperphosphorylation via kinase inhibition- Strategy to address Alzheimer's disease. <i>Current Topics in Medicinal Chemistry</i> 20(12):1059-1073.	3.29
237	Anwar S, Kar RK, Haque MA, Dahiya R, Gupta P, Islam A, Ahmad F, Hassan MI. (2020) Effect of pH on the structure and function of pyruvate dehydrogenase kinase 3: Combined spectroscopic and MD simulation studies. <i>International Journal of Biological Macromolecules</i> 147:768-777.	8.02
236	Shamsi A, Mohammad T, Anwar S, Hassan MI, Ahmad F, Hasan I, Islam A (2020) Biophysical insight into implications of PEG-400 on alpha-crystallin structure: Multi spectroscopic and microscopic approach. <i>ACS Omega</i> 5(30):19210-19216.	4.25
235	Gupta P, Khan FI, Ambreen D, Lai D, Alajmi F, Hussain A, Islam A, Ahmad F and Hassan MI (2020) Investigation of Guanidinium chloride-induced Unfolding Pathway of Sphingosine kinase 1. <i>International Journal of Biological Macromolecules</i> 147:177-186.	8.02
234	Parray ZA, Hassan MI, Ahmad F, Islam A. (2020) Amphiphilic nature of polyethylene glycols and their role in medical research. <i>Polymer Testing</i> 82:106316.	4.28
233	Gupta P, Khan FI, Dahiya R, Roy S, Anwar S, Alajmi F, Hussain A, Dakun L, Hassan MI (2020) Functional implications of pH-induced conformational changes in the sphingosine kinase 1. <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 225:117453.	4.09
232	Alsharif MA, Khan D, Ahmed N, Mukhtar S, Khan P, Hassan MI, Almalki AS, Obaid RJ. Pharmacological Activities of Novel Chromene Derivatives as Calcium/Calmodulin Dependent Protein Kinase IV (CAMKIV) Inhibitors. <i>Chemistry Select</i> 5(2):498-505.	2.1
231	Qausain S, Khan FI, Lai D, Hassan MI, Basheeruddin M, Ahmed N, Khan MKA. (2020) Mechanistic Insights into the Urea-Induced Denaturation of a Non-Seleno Thiol Specific Antioxidant Human Peroxiredoxin 6. <i>International Journal of Biological Macromolecules</i> 161:1171-1180.	8.02
230	Wahiduzzaman, Hassan MI, Islam A and Ahmad F. (2020) Urea Stress: Myo-inositol's efficacy to counteract destabilization of TIM- β -globin complex by urea is as good as that of the methylamine. <i>International Journal of Biological Macromolecules</i> 151:1108-1115.	8.02
229	Ghosh S, Shahid S, Raina N, Ahmad F, Hassan MI and Islam A (2020) Molecular and macromolecular crowding-induced stabilization of proteins: Effect of dextran and its building block alone and their mixtures on stability and structure of lysozyme. <i>International Journal of Biological Macromolecules</i> 150:1238-1248.	8.02
228	Shahbaaz, M., Potemkin, V., Grishina, M., Bisetty, K. and Hassan, M.I. (2020) The structural basis of acid resistance in <i>Mycobacterium tuberculosis</i> : Insights from multiple pH regime molecular dynamics simulations. <i>Journal of Biomolecular Structure and Dynamics</i> 38(15):4483-4492.	5.2

227	Naiyer A, Islam A, Hassan MI, Ahmad F, Sundd M (2020) Backbone and side chain 1H, 15N and 13C chemical shift assignments of the molten globule state of L94G mutant of horse cytochrome-c. Biomol NMR Assign 14(1):37-44.	0.74
226	Amir, M., Mohammad, T., Prasad, K., Mustafa Hasan, G., Kuma, V., Dohare, R., Islam, A., Ahmad, F. and Hassan, I. (2020) Virtual high-throughput screening of natural compounds in-search of potential inhibitors for protection of telomeres 1 (POT1). <i>Journal of Biomolecular Structure and Dynamics</i> 38(15):4625-4634	5.2
225	Fatima S, Mohammad T, Jairajpuri DS, Samim M, Ahmad FJ, Alajmi F, Hussain A, Rehman MT, Hassan MI (2020) Identification and evaluation of glutathione conjugate gamma-L-glutamyl-L-cysteine for improved drug-delivery to the brain. <i>Journal of Biomolecular Structure & Dynamics</i> 38(12):3610-3620.	5.2
224	Naqvi AAT, Jairajpuri DS, Noman M, Alajmi F, Hussain A, Islam A, Ahmad F, Hassan MI (2020) Evaluation of pyrazolopyrimidine derivatives as microtubule affinity regulating kinase 4 inhibitors: Towards therapeutic management of Alzheimer's disease. <i>Journal of Biomolecular Structure & Dynamics</i> 38(13):3892-3907.	5.2
223	Amir M, Ahmad S, Ahamad S, Kumar V, Mohammad T, Dohare R, Alajmi MF, Rehman MT, Hussain A, Islam A, Ahmad F, Hassan MI . (2020) Impact of Gln94Glu mutation on the structure and function of Protection of telomere 1, a cause of cutaneous familial melanoma. <i>Journal of Biomolecular Structure & Dynamics</i> 38(5):1514-1524	5.2
222	Gupta P, Mohammad T, Dahiya R, Roy S, Noman, A, Alajmi F, Hussain A, Hassan MI (2019) Evaluation of binding and inhibition mechanism of dietary phytochemicals with sphingosine kinase 1: Towards targeted anticancer therapy. <i>Scientific Reports</i> , 9 (1), 18727.	4.36
221	Yousuf M, Khan P, Shamsi A, Shahbaaz M, Hasan GM, Haque QMR, Christoffels A, Islam A and Hassan MI (2020) Inhibiting CDK6 activity by quercetin is an attractive strategy for cancer therapy. <i>ACS Omega</i> 5(42):27480-27491.	4.25
220	Shahid S, Hasan I, Ahmad F, Hassan MI , Islam A (2019) Carbohydrate-Based Macromolecular Crowding-Induced Stabilization of Proteins: Towards Understanding the Significance of the Size of the Crowder. <i>Biomolecules</i> 9(9), 477.	6.06
219	Khan P, Queen A, Mohammad T, Smita NA, Nashrah NS, Zubair H, Hassan MI , Ali S (2019) Identification of α -Mangostin as a Potential Inhibitor of Microtubule Affinity Regulating Kinase 4. <i>Journal of Natural Products</i> 82(8):2252-2261.	4.85
218	Sharma, P., Dhiman, S., Kumari, S., Rawat, P., Srivastava, C., Sato, H., Akitsu, T., Kumar, S., Hassan MI , Majumder, S. (2019) Revisiting the physiochemical properties of Hematite (Fe_2O_3) nanoparticle and exploring its bio-environmental application. <i>Materials Research Express</i> 6, 095072	1.62
217	Shamsi A, Mohammad T, Shahwan M, Hassan MI , Ahmad F, Islam A (2019) Unraveling binding mechanism of Alzheimer's drug Rivastigmine tartrate with human transferrin: Molecular docking and multi spectroscopic approach towards neurodegenerative diseases. <i>Biomolecules</i> 9(9), 49.	6.06
216	Gupta P, Mohammad T, Khan P, Roy S, Alajmi F, Hussain A, Hassan MI (2019) Evaluation of Ellagic Acid as an Inhibitor of Sphingosine Kinase 1: A Targeted Approach towards Anticancer Therapy. <i>Biomedicine & Pharmacotherapy</i> 118:109245	7.30
215	Dahiya R, Mohammad T, Khan P, Roy S, Anwar S, Gupta P, Alajmi F, Hussain A, Hassan MI (2019) Molecular interaction studies on ellagic acid for its anticancer potential targeting pyruvate dehydrogenase kinase 3. <i>RSC Advances</i> 9, 23302-23315.	4.36

214	Mehmankhah M, Bhat R, Anvar MS, Ali S, Alam A, Farooqui A, Hassan MI , Ishrat R, Kazim SN (2019) Structure-guided approach to identify potential inhibitors of large envelope protein to prevent hepatitis B virus infection. <i>Oxidative Medicine and Cellular Longevity</i> 2019:1297484.	7.35
213	Amir, M., Mohammad, T., Kumar, V., Alajmi, M.F., Rehman, M.T., Hussain, A., Alam, P., Dohare, R., Islam, A., Ahmad, F. and Hassan MI (2019). Structural Analysis and Conformational Dynamics of STN1 Gene Mutations Involved in Coat Plus Syndrome. <i>Frontiers in Molecular Biosciences</i> 6, 41.	6.16
212	Rahman S, Rehman MT, Rabbani G, Khan P, AlAjmi MF, Hassan MI , Muteeb G, Kim J. (2019) Insight of the Interaction between 2,4-thiazolidinedione and Human Serum Albumin: A Spectroscopic, Thermodynamic and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> 20(11): E2727.	6.12
211	Dahiya R, Mohammad T, Roy S, Anwar S, Gupta P, Haque A, Khan P, Kazim SN, Islam A, Ahmad F, Hassan MI . (2019) Investigation of inhibitory potential of quercetin to the pyruvate dehydrogenase kinase 3: Towards implications in anticancer therapy. <i>International Journal of Biological Macromolecules</i> 136:1076-1085.	8.02
210	Naqvi AAT, Alajmi MF, Rehman T, Hussain A, Hassan MI. (2019) Effects of Pro1266Leu mutation on structure and function of glycoprotein Ib binding domain of von Willebrand factor. <i>Journal of Cellular Biochemistry</i> 120:17847-17857.	4.42
209	Amir M, Kumar V, Dohare R, Rehman MT, Hussain A, Alajmi MF, Hassan HMA, Islam A, Ahmad F, Hassan MI . (2019) Investigating architecture and structure-function relationships in cold shock DNA-binding domain family using structural genomics-based approach. <i>International Journal of Biological Macromolecules</i> 133:484-494	8.02
207	Voura M, Khan P, Thysiadis S, Katsamakas S, Queen A, Hasan GM, Sarli V, Hassan MI . (2019) Probing the Inhibition of Microtubule Affinity Regulating Kinase 4 by a Novel Class of N-Substituted Acridone Derivatives: Synthesis, Characterization and Biological Evaluation. <i>Scientific Reports</i> 9(1):1676.	4.36
206	Dahiya R, Naqvi AAT, Mohammad T, Alajmi MF, Rehman MT, Hussain A, Hassan MI . (2019) Investigating the structural features of chromodomain proteins in the human genome and predictive impacts of their mutations in cancers. <i>International Journal of Biological Macromolecules</i> 131:1101-1116.	8.02
205	Amir M, Kumar V, Dohare R, Hussain A, Rehman MT, Alajami MF, Islam A, Ahmad F, Hassan MI . (2019) Structural and functional impact of non-synonymous SNPs in the CST complex subunit TEN1: Structural genomics approach. <i>Bioscience Reports</i> 39(5): BSR20190312.	4.84
204	Manzoor O, Soleja N, Khan P, Hassan MI and Mohsin M (2019) Visualization of thiamine in living cells using genetically encoded fluore scent nanosensor. <i>Biochemical Engineering Journal</i> 146, 170-178.	3.97
203	Naz H, Tarique M, Ahamad S, Hussain A, Rehman MT, Alajami MF, Hassan MI . (2019) Hesperidin-CAMKIV interaction and its impact on cell proliferation and apoptosis in the human hepatic carcinoma and neuroblastoma cells. <i>Journal of Cellular Biochemistry</i> 120(9):15119-15130.	4.48
202	Bashir S, Shamsi A, Ahmad F, Hassan MI, Kamal M, Islam A, (2020) Biophysical elucidation of fibrillation inhibition by sugar osmolytes in α -lactalbumin: Multispectroscopic and molecular docking approaches. <i>ACS Omega</i> 5(41):26871-26882.	4.25

201	Shamsi A, Hassan MI , Ahmad F, Islam A (2019) Spectroscopic, calorimetric and molecular docking insight into the interaction of Alzheimer's drug Donepezil with human transferrin: Implications of Alzheimer's drug. <i>Journal of Biomolecular Structure and Dynamics</i> . Doi: 10.1080/07391102.2019.1595728.	5.2
200	Rahman S, Islam A, Hassan MI , Kim J, Ahmad F. (2019) Unfoldness of the denatured state of proteins determines urea: Methylamine counteraction in terms of Gibbs free energy of stabilization. <i>International Journal of Biological Macromolecules</i> 132:666-676.	8.02
199	Afreen S, Idrees D, Khera R, Amir M, Hassan MI , Mishra S. (2019) Investigation of role of central metal ion of <i>Cyathus bulleri</i> laccase 1 using guanidinium chloride-induced denaturation. <i>International Journal of Biological Macromolecules</i> 132:994-1000.	8.02
198	Furkan M, Siddiqi MK, Zakariya SM, Khan FI, Hassan MI , Khan RH. (2019) An In Vitro elucidation of the antiaggregatory potential of Diosminover thermally induced unfolding of hen egg white lysozyme; A preventive quest for lysozyme amyloidosis. <i>International Journal of Biological Macromolecules</i> 29:1015-1023.	8.02
197	Anjum F, Ali F, Mohammad T, Shafie A, Akhtar O, Abdullaev B, Hassan MI (2021) Discovery of natural compounds as potential inhibitors of human carbonic anhydrase II: An integrated virtual screening, docking and MD simulation study. <i>OMICS: A Journal of Integrative Biology</i> 25(8):513-524.	3.87
196	Kumar V, Wahiduzzaman, Prakash A, Tomar AK, Srivastava A, Kundu B, Lynn AM, Hassan MI (2019) Exploring the aggregation-prone regions from structural domains of human TDP-43. <i>Biochim Biophys Acta Proteins Proteomics</i> 1867(3):286-296.	4.12
195	Amir M, Kumar V, Dohare R, Hussain A, Rehman MT, Alajami MF, Islam A, Ahmad F, Hassan MI . (2019) Investigation of deleterious effects of nsSNPs in POT1 gene: A structural genomics-based approach to understand mechanism of cancer development. <i>Journal of Cellular Biochemistry</i> 120(6):10281-10294.	4.48
194	Ali, S.; Khan, F.I.; Mohammad, T.; Lan, D.; Hassan, M.I.; Wang, Y. (2019) Identification and Evaluation of Inhibitors of Lipase from <i>Malassezia restricta</i> using Virtual High-Throughput Screening and Molecular Dynamics Studies. <i>International Journal of Molecular Sciences</i> 20, 884.	6.16
193	Ali N, Amir M, Hassan MI , Ahmad F, Islam A. (2019) Purification, modeling and structural insights of calmodulin-binding receptor like cytoplasmic kinase 2 from <i>Oroxylum Indicum</i> . <i>International Journal of Biological Macromolecules</i> 123:704-712.	8.02
192	Shahid S, Ahmad F, Hassan MI , Islam A. (2019) Mixture of Macromolecular Crowding Agents Has a Non-additive Effect on the Stability of Proteins. <i>Applied Biochemistry and Biotechnology</i> 188(4):927-941.	3.09
191	Aneja B, Khan NS, Khan P, Queen A, Hussain A, Rehman MT, Alajmie MF, El-Seedif HR, Ali S, Hassan MI , Abid M, (2019) Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. <i>European Journal of Medicinal Chemistry</i> 163:840-852.	7.08
190	Khan SH, Prakash A, Pandey P, Lynn AM, Islam A, Hassan MI , Ahmad F. (2019) Protein folding: Molecular dynamics simulations and in vitro studies for probing mechanism of urea- and guanidinium chloride-induced unfolding of horse cytochrome-c. <i>International Journal of Biological Macromolecules</i> 122:695-704	8.02
189	Gulzar M, Syed SB, Khan FI, Khan P, Ali S, Hasan GM, Taneja P, Hassan MI (2019) Elucidation of interaction mechanism of ellagic acid to the integrin linked kinase. <i>International Journal of Biological Macromolecules</i> 122:1297-1304.	8.02

188	Prakash A, Kumar V, Meena NK, Hassan MI , Lynn AM (2019) Comparative analysis of thermal unfolding simulations of RNA recognition motifs (RRMs) of TAR DNA-binding protein 43 (TDP-43). <i>Journal of Biomolecular Structure & Dynamics</i> 37(1):178-194.	5.2
187	Syed SB, Shahbaaz M, Srivastava S, Islam A, Ahmad F and Hassan MI (2019) Estimation of pH effect on the structure and stability of kinase domain of human Integrin linked kinase. <i>Journal of Biomolecular Structure & Dynamics</i> 37(1):156-165.	5.2
186	Parray ZA, Ahamad S, Hassan MI , Ahmad F and Islam A (2019) First Evidence of Formation of Pre-Molten Globule State in Myoglobin: A macromolecular crowding approach towards protein folding in vivo. <i>International Journal of Biological Macromolecules</i> 126:1288-1294.	8.02
185	Faizan MI, Naqvi AT, Hassan MI , Abdullah M, Tazeen A, Shafat Z, Hisamuddin M, Alam A, Ali S, Ali S, Farooqui A, Hamza A, Parveen N, Deebea F, Ahmed A and Parveen S (2019) Structure Based Identification of Potential Inhibitors of NS3 Protein of Zika virus, <i>Letters in Drug Design & Discovery</i> 15: 1-14.	1.2
184	Beg A, Khan FI, Lobb KA, Islam A, Ahmad F, Hassan MI . (2019) High throughput screening, docking and molecular dynamics studies to identify potential inhibitors of human calcium/calmodulin-dependent protein kinase IV. <i>Journal of Biomolecular Structure & Dynamics</i> 37(8):2179-2192.	5.2
183	Mohammad T, Khan FI, Lobb KA, Islam A, Ahmad F, Hassan MI . (2019) Identification and evaluation of bioactive natural products as potential inhibitors of human microtubule affinity-regulating kinase 4 (MARK4). <i>Journal of Biomolecular Structure & Dynamics</i> 37(7):1813-1829.	5.2
182	Khan, M.S., Agrawal, R., Ubaidullah, M., Hassan, M.I. and Tarannum, N. (2019) Design, synthesis and validation of anti-microbial coumarin derivatives: An efficient green approach. <i>Heliyon</i> 5, e02615.	1.66
181	Naqvi AAT, Mohammad T, Hasan GM, Hassan MI . (2018) Advancements in docking and molecular dynamics simulations towards ligand-receptor interactions and structure-function relationships. <i>Current Topics in Medicinal Chemistry</i> 18(20):1755-1768.	3.29
180	Gulzar M, Ali S, Khan FI, Khan P, Taneja P, Hassan MI . (2018) Binding mechanism of caffeic acid and simvastatin to the integrin linked kinase for therapeutic implications: A comparative docking and MD simulation studies. <i>Journal of Biomolecular Structure & Dynamics</i> 37(16):4327-4337.	5.2
179	Amir M, Kumar V, Dohare R, Islam A, Ahmad F, Hassan MI . (2018) Sequence, structure and evolutionary analysis of cold shock domain proteins, a member of OB fold family. <i>Journal of Evolutionary Biology</i> 31(12):1903-1917.	2.41
178	Parveen I, Khan P, Alis S, Hassan MI and Ahmad N (2018) Synthesis, Molecular docking and Inhibition studies of novel 3-N-aryl substituted-2-heteroarylchromones targeting Microtubule Affinity Regulating Kinase 4 Inhibitors. <i>European Journal of Medicinal Chemistry</i> 159:166-177.	7.08
177	Khan S, Khan P, Hassan MI , Ahmad F and Islam A (2018) Protein Stability: Determination of structure and stability of the transmembrane protein Mce4A from <i>M. tuberculosis</i> in membrane-like environment. <i>International Journal of Biological Macromolecules</i> 126:488-495.	8.02
176	Khan NS, Khan P, Ansari MF, Srivastava S, Hasan GM, Husain M, Hassan MI . (2018) Thienopyrimidine-Chalcones Hybrid Molecules Inhibits Fas-activated Serine/Threonine Kinase: An Approach to Ameliorates Antiproliferation in Human Breast Cancer Cells. <i>Molecular Pharmaceutics</i> 15(9):4173-4189.	4.93

175	Syed SB, Khan FI, Srivastava S, Khan SH, Hasan MG, Lobb KA, Islam A, Ahmad F and Hassan MI (2018) Unravelling the unfolding mechanism of human integrin linked kinase by GdmCl-induced denaturation. <i>International Journal of Biological Macromolecules</i> 117:1252-1263.	8.02
174	Ahamad S, Hassan MI , Dwivedi N. (2018) Designing of phenol-based β -carbonic anhydrase1 inhibitors through QSAR, molecular docking, and MD simulation approach. <i>3 Biotech.</i> 8(5):256.	3.73
173	Queen A, Khan P, Azam A and Hassan MI (2018) Understanding the role and mechanism of carbonic anhydrase V in obesity and its therapeutic implications. <i>Current Protein Peptide Science</i> 19(9):909-923.	3.27
172	Prakash A, Kumar V, Pandey P, Bharti DR, Vishwakarma P, Singh R, Hassan MI , Lynn AM (2018) Solvent sensitivity of protein aggregation in Cu, Zn superoxide dismutase: A molecular dynamics simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> 36(10):2605-2617	5.2
171	Queen A, Khan P, Idrees D, Azam A, Hassan MI . Biological evaluation of p-toluene sulphonylhydrazones as carbonic anhydrase IX inhibitors: An approach to fight hypoxia-induced tumors. <i>International Journal of Biological Macromolecules</i> 2018 106:840-850.	8.02
170	Ishrat M, Hassan MI , Ahmad F, Islam A. (2018) Sugar osmolytes-induced stabilization of RNase A in macromolecular crowded cellular environment. <i>International Journal of Biological Macromolecules</i> 115:349-357	8.02
169	Husain S, Kumar V, Hassan MI . (2018) Phosphorylation-induced changes in the energetic frustration in human Tank binding kinase 1. <i>Journal of Theoretical Biology</i> 449:14-22.	2.69
168	Kumar V, Prakash A, Pandey P, Lynn AM, Hassan MI (2018) TFE-induced local unfolding and fibrillation of SOD1: bridging the experiment and simulation studies. <i>Biochemical Journal</i> 475(10):1701-1719.	3.87
167	Idrees D, Handiwala M, Mahapatra AD, Roy S, Ahamad S, Khan P, Datta B and Hassan MI (2018) Implication of sulfonylurea derivatives as prospective inhibitors of human carbonic anhydrase II. <i>International Journal of Biological Macromolecules</i> 115:961-969.	8.02
166	Peerzada MN, Khan P, Ahmad K, Hassan MI , Azam A (2018) Synthesis, characterization and biological evaluation of tertiary sulfonamide derivatives of pyridyl-indole based heteroaryl chalcone as potential carbonic anhydrase IX inhibitors and anticancer agents. <i>European Journal of Medicinal Chemistry</i> 155:13-23.	8.02
165	Beg I, Islam A, Minton AP, Hassan MI , Ahmad F (2018) Comparison of the thermal stabilization of proteins by oligosaccharides and monosaccharide mixtures: measurement and analysis in the context of excluded volume theory. <i>Biophysical Chemistry</i> 237:31-37.	2.35
164	Syed SB, Khan FI, Srivastava S, Khan SH, Hasan MG, Lobb KA, Islam A, Ahmad F and Hassan MI (2018) Mechanistic insights into the urea-induced denaturation of kinase domain of human integrin linked kinase. <i>International Journal of Biological Macromolecules</i> 111:208-218.	8.02
163	Bansal R, Haque MA, Yadav P, Gupta D, Ethayathulla AS, Hassan MI , Kaur P (2018) Estimation of structure and stability of MurE ligase from Salmonella enterica serovar Typhi. <i>International Journal of Biological Macromolecules</i> 109:375-382.	8.02
162	Khan S, Khan FI, Lobb KA, Hasan MG, Islam A, Ahmad F and Hassan MI (2018) Exploring molecular insights into the interaction mechanism of cholesterol	8.02

	derivatives with the Mce4A: A combined spectroscopic and molecular dynamic simulation studies. <i>International Journal of Biological Macromolecules</i> 111:548-560.	
161	Naqvi AAT, Hasan GM, Hassan MI . (2018) Investigating the role of transcription factors of pancreas development in pancreatic cancer. <i>Pancreatology</i> 18(2):184-190.	3.99
160	Naz F, Khan FI, Khan P, Manzoor S, Hasan MG, Luqman S, Islam A, Lobb K, Ahmad F and Hassan (2018) Investigation of Molecular Mechanism of Recognition between Citral and MARK4: A Newer Therapeutic Approach to Attenuate Cancer Cell Progression. <i>International Journal of Biological Macromolecules</i> 107(Pt B):2580-2589.	8.02
159	Dar MA, Wahiduzzaman, Islam A, Hassan MI , Ahmad F. (2018) Counteraction of the deleterious effects of urea on structure and stability of mammalian kidney proteins by osmolytes. <i>International Journal of Biological Macromolecules</i> 107(Pt B):1659-1667.	8.02
158	Naz H, Tarique M, Khan P, Luqman S, Ahamad S, Islam A, Ahmad F and Hassan MI (2018) Evidence of vanillin binding to CAMKIV explains the anticancer mechanism in human hepatic carcinoma and neuroblastoma cells. <i>Molecular and Cellular Biochemistry</i> 438(1-2):35-45.	3.87
157	Ansari MF, Idrees D, Hassan MI , Ahmad K, AVECILLA F, Azam A. (2018) Design, synthesis and biological evaluation of novel pyridine-thiazolidinone derivatives as anticancer agents: Targeting human carbonic anhydrase IX. <i>European Journal of Medicinal Chemistry</i> 144:544-556.	7.03
156	Kumar V, Hasan GM and Hassan MI (2017) Unraveling the Role of RNA Mediated Toxicity of C9orf72 Repeats in C9-FTD/ALS. <i>Frontiers in Neuroscience</i> 11:711.	5.67
155	Khan P, Manzoor S, Queen A, Naz F, Rahman S, Kim J, Luqman S, Hasan GM, Islam A, Ahmad F and Hassan MI (2017) Elucidation of Dietary Polyphenolics as Potential Inhibitor of Microtubule Affinity Regulating Kinase 4: <i>In silico</i> and <i>In vitro</i> Studies. <i>Scientific Reports</i> 7(1):9470.	4.36
154	Khan I, Ahmad N, Idrees D, Hassan MI (2017) Synthesis, estrogen receptor binding affinity and molecular docking of pyrimidine-piperazine-chromene and -quinoline conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> 27(18):4493-4499.	2.83
153	Khan FI, Anwer R, Gu K, Wei DQ, Bisetty K, Hassan MI (2017) Structure prediction and functional analyses of a thermostable lipase obtained from <i>Shewanella putrefaciens</i> . <i>Journal of Biomolecular Structure and Dynamics</i> 35 (10): 2123-2135.	5.2
152	Nasreen K, Ahmad S, Hassan MI , Ahmad F and Islam A (2017) Macromolecular crowding induces molten globule state in the native myoglobin at physiological pH. <i>International Journal of Biological Macromolecules</i> 106:130-139.	8.02
151	Naz H, Shahbaaz M, Haque MA, Bisetty K, Islam A, Ahmad F, Hassan MI . (2017) Urea-induced denaturation of human calcium-calmodulin dependent protein kinase IV: A combined spectroscopic and MD simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> 35: 463-475.	5.2
150	Shahbaaz M, Amir M, Rahman S, Bisetty K, Ravins, Hasan MG, Ahmad F and Hassan MI (2017) Structural insights into Rab21 GTPase activation mechanism by molecular dynamics simulations. <i>Molecular Simulation</i> 44 (3) 179-89.	2.12
149	Khan SH, Islam A, Hassan MI , Sharma S, Singh TP and Ahmad F (2017) Effect of conservative mutations (L94V and L94I) on the structure and stability of horse cytochrome c. <i>Archives of Biochemistry and Biophysics</i> 633:40-49.	4.01
148	Srivastava S, Begum SS, Kumar V, Islam A, Ahmad F, Hassan, M I (2017), Fas-activated serine/threonine kinase: Structure and function. <i>Gene Reports</i> 8: 117-27.	1.37

147	Khan S, Shhahbaaz M, Bisetty K, Islam A, Ahmad F and Hassan MI (2017) Classification and functional analyses of putative conserved proteins from <i>Chlamydophila pneumoniae</i> CWL029. <i>Interdisciplinary Sciences Computational Life Sciences</i> 9 (1): 96–106.	2.23
146	Dahiya R, Hassan MI . (2017) Studying Host-Virus Alliances using CRISPR Genetics. <i>Advances in Biotechnology and Microbiology</i> 3(4): 555621.	0.6
145	Idrees D, Rahman S, Shahbaaz M, Haque MA, Islam A, Ahmad F, Hassan MI . (2017) Estimation of thermodynamic stability of human carbonic anhydrase IX from urea-induced denaturation and MD simulation studies. <i>International Journal of Biological Macromolecules</i> 105(Pt 1):183-189	8.02
144	Kumar V, Rahman S, Choudhry H, Zamzami MA, Sarwar Jamal M, Islam A, Ahmad F, Hassan MI (2017) Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> 7(1):4678.	4.37
143	Gupta D, Sachdeva E, Haque MA, Rahman S, Bansal R, Ethayathulla AS, Hassan MI and Kaur P. (2017) Effect of chemical denaturants on the conformational stability GyrB subunit of DNA gyrase from Salmonella enterica serovar Typhi. <i>International Journal of Biological Macromolecules</i> 103:165-174	8.02
142	Rai N, Kumar R, Haque MA, Hassan MI and Dey S (2017) A Study of Recombinant Human Sestrin 1 and Sestrin 2 Proteins Produced in a Prokaryotic System. <i>Molecular Biology</i> 51 (3): 416–425.	1.3
141	Ahamad S, Rahman S, Khan FI, Dwivedi N, Ali S, Kim J, Hassan MI . (2017) QSAR based therapeutic management of M. tuberculosis. <i>Archives of Pharmacal Research</i> 40(6):676-694.	6.06
140	Afreen S, Shamsi TN, Baig MA, Ahmad N, Fatima S, Qureshi MI, Hassan MI , Fatma T. (2017) A novel multicopper oxidase (laccase) from cyanobacteria: Purification, characterization with potential in the decolorization of anthraquinonic dye. <i>PLoS One</i> 12(4): e0175144.	3.75
139	Khan FI, Rahman S, Queen A, Ahamad S, Ali S, Kim J and Hassan MI (2017) Implications of molecular diversity of chitin and its derivatives. <i>Applied Microbiology and Biotechnology</i> 101(9):3513-3536.	4.81
138	Parray ZA, Shahid S, Ahmad F, Hassan MI , Islam A. (2017) Characterization of intermediate state of myoglobin in the presence of PEG 10 under physiological conditions. <i>International Journal of Biological Macromolecules</i> 99:241-248	8.02
137	Rahman S, Byun Y, Hassan MI , Kim J, Kumar V. (2017) Towards understanding cellular structure biology: In-cell NMR. <i>Biochim Biophys Acta Proteins & Proteomics</i> 1865(5):547-557.	4.3
136	Mishra CB, Kumari S, Idrees D, Prakash A, Tiwari M, Hassan MI (2017) Design, Synthesis, In-Silico and Biological Evaluation of novel 2-(4-(4- substituted piperazin-1-yl) benzylidene) hydrazine carboxamides. <i>Molecular Diversity</i> 21(1):163-174.	2.94
135	Beg I, Minton AP, Islam A, Hassan MI , Ahmad F. (2017) The pH Dependence of Saccharides' Influence on Thermal Denaturation of Two Model Proteins Supports an Excluded Volume Model for Stabilization Generalized to Allow for Intramolecular Electrostatic Interactions. <i>Journal of Biological Chemistry</i> 292(2):505-511.	5.15
134	Sami N, Rahman S, Kumar V, Zaidi S, Islam A, Ali S, Ahmad F, Hassan MI . (2017) Protein aggregation, misfolding and consequential human neurodegenerative diseases. <i>International Journal of Neuroscience</i> 127(11):1047-1057.	2.29
133	Dar MA, Islam A, Hassan MI , Ahmad F (2017) Effect of mammalian kidney osmolytes on the folding pathway of sheep serum albumin. <i>International Journal of Biological Macromolecules</i> 97:625-634.	8.02

132	Turab Naqvi AA, Rahman S, Rubi, Zeya F, Kumar K, Choudhary H, Jamal MS, Kim J, Hassan MI (2017) Genome analysis of <i>Chlamydia trachomatis</i> for functional characterization of hypothetical proteins to discover novel drug targets. <i>International Journal of Biological Macromolecules</i> 96:234-240	8.02
131	Shahbaaz M, Rahman S, Khan P, Kim J and Hassan MI (2017) Classification and Structural Analyses of Mutational Landscapes in Hemochromatosis Factor E Protein: A Protein Defective in the Hereditary Hemochromatosis. <i>Gene Reports</i> 6: 93–102.	0.37
130	Idrees D, Shahbaaz M, Bisetty K, Islam A, Ahmad F, Hassan MI . (2017) Effect of pH on structure, function, and stability of mitochondrial carbonic anhydrase VA. <i>Journal of Biomolecular Structure and Dynamics</i> 35(2):449-461.	3.1
129	Rahman S, Ali SA, Islam A, Hassan MI , Ahmad F. (2016) Data on the role of accessible surface area on osmolytes-induced protein stabilization. <i>Data Brief</i> 10:47-56.	0.93
128	Naz H, Khan P, Tarique M, Rahman S, Ahamad S, Meena A, Luqman S, Islam A, Ahmad F and Hassan MI (2017) Binding studies and biological evaluation of β -carotene as a potential inhibitor of human calcium/calmodulin-dependent protein kinase IV. <i>International Journal of Biological Macromolecules</i> 96:161-170	8.02
127	Shahid S, Hassan MI , Islam A, Ahmad F. (2017) Size-dependent studies of macromolecular crowding on the thermodynamic stability, structure and functional activity of proteins: in vitro and in silico approaches. <i>Biochimica et Biophysica Acta (BBA) - General Subjects</i> 1861(2):178-197.	4.77
126	Wahiduzzaman, Dar MA, Haque MA, Idrees D, Hassan MI , Islam A, Ahmad F. (2017) Characterization of folding intermediates during urea-induced denaturation of human carbonic anhydrase II, <i>International Journal of Biological Macromolecules</i> 95:881-887.	8.02
125	Wahiduzzaman, Dar MA, Haque MA, Idrees D, Islam A, Hassan MI , Ahmad F. (2017) Purification, preliminary X-ray crystallography and biophysical studies of triose phosphate isomerase- β -globin subunit complex. <i>International Journal of Biological Macromolecules</i> 94(Pt B):746-753.	8.02
124	Khan FI, Aamir M, Wei DQ, Ahmad F, Hassan MI . (2017) Molecular mechanism of Ras-related protein Rab-5A and effect of mutations in the catalytically active phosphate-binding loop. <i>Journal of Biomolecular Structure Dynamics</i> 35(1):105-118.	5.2
123	Jameel E, Naz H, Khan P, Kumar J, Tarique M, Hoda N, Mumtazuddin S, Ahamad S, Islam A, Ahmad F and Hassan MI (2016) Design, synthesis and biological evaluation of pyrimidine derivatives as potential inhibitors of human CAMKIV. <i>Chemical Biology & Drug Design</i> 89(5):741-754.	2.81
122	Prakash A, Idrees D, Haque MA, Islam A, Ahmad F, Hassan MI . (2017) GdmCl-induced unfolding studies of human carbonic anhydrase IX: a combined spectroscopic and MD simulation approach. <i>Journal of Biomolecular Structure and Dynamics</i> 35(6):1295-1306.	5.2
121	Ahamad S, Islam A, Ahmad F, Dwivedi N, Hassan MI (2018) 2/3D-QSAR, molecular docking and MD simulation studies of FtsZ protein targeting benzimidazoles derivatives. <i>Computational Biology and Chemistry</i> 78:398-413.	3.87
120	Zaidi S, Haque MA, Ubaid-Ullah S, Prakash A, Hassan MI , Islam A, Batra JK, Ahmad F. (2017) Denatured states of yeast cytochrome c induced by heat and guanidinium chloride are structurally and thermodynamically different. <i>Journal of Biomolecular Structure and Dynamics</i> 35(7):1420-1435	5.2

119	Sami N, Kumar V, Ali, S, Islam A, Ahmad F, Hassan MI . (2017) Exploring Missense Mutations in Tyrosine Kinases Implicated with Neurodegeneration. <i>Molecular Neurobiology</i> 54(7):5085-5106.	5.59
118	Khan FI, Gu K, Bisetty K, Singh S, Permaul K, Hassan MI , Wei DQ (2016) Molecular dynamics simulation of chitinase I from <i>Thermomyces lanuginosus</i> SSBP to ensure optimal activity. <i>Molecular Simulation</i> 43(7):480-490	2.17
117	Naqvi AA, Anjum F, Khan FI, Islam A, Ahmad F, Hassan MI . (2016) Sequence Analysis of Hypothetical Proteins from <i>Helicobacter pylori</i> 26695 to Identify Potential Virulence Factors. <i>Genomics & Informatics</i> 14(3):125-135.	--
116	Kumar V, Sami N, Kashav T, Islam A, Ahmad F, Hassan MI . (2016) Protein aggregation and neurodegenerative diseases: From theory to therapy. <i>European Journal of Medicinal Chemistry</i> 124:1105-1120.	7.03
115	Kumar V, Kashav T, Islam A, Ahmad F, Hassan MI . (2016) Structural insight into C9orf72 hexanucleotide repeat expansions: Towards new therapeutic targets in FTD-ALS. <i>Neurochemistry International</i> 100:11-20.	3.82
114	Khan SH, Kumar A, Prakash A, Taneja B, Islam A, Hassan MI , Ahmad F (2016) Structural and thermodynamic characterization of L94F mutant of horse cytochrome c. <i>International Journal of Biological Macromolecules</i> 92:202-212.	8.02
113	Idrees D, Prakash A, Haque MA, Islam A, Hassan MI , Ahmad F. (2016) GdnHCl-induced unfolding intermediate in mitochondrial carbonic anhydrase VA. <i>International Journal of Biological Macromolecules</i> 91:1151-1160.	8.02
112	Khan S, Islam A, Hassan MI , Ahmad F. (2016) Purification and Structural Characterization of Mce4A from <i>Mycobacterium tuberculosis</i> . <i>International Journal of Biological Macromolecules</i> 93:235-241.	8.02
111	Khan P, Amresh P, Haque MA, Islam A, Ahmad F, Hassan MI . (2016) Structural Basis of Urea-induced Unfolding: Unraveling the Folding Pathway of Hemochromatosis Factor E. <i>International Journal of Biological Macromolecules</i> 91:1051-1061.	8.02
110	Kumar V, Islam A, Hassan MI , Ahmad F (2016) Delineating the relationship between amyotrophic lateral sclerosis and frontotemporal dementia: Sequence and Structure based predictions. <i>BBA - Molecular Basis of Disease</i> 1862(9):1742-1754.	5.18
109	Dar MA, Wahiduzzaman, Haque MA, Islam A, Hassan MI , Ahmad F. (2016) Characterizations of molten globule-like state of sheep serum albumin at physiological pH. <i>International Journal of Biological Macromolecules</i> 89:605-613.	8.02
108	Kumar V, Islam A, Ahmad F and Hassan MI (2016) Therapeutic progress in amyotrophic lateral sclerosis- beginning to learning. <i>European Journal of Medicinal Chemistry</i> 121:903-917.	8.02
107	Naz F, Sami N, Naqvi AT, Islam A, Ahmad F, Hassan MI (2016) Evaluation of Human Microtubule Affinity-Regulating Kinase 4 Inhibitors: Fluorescence Binding Studies, Enzyme, and Cell Assays. <i>Journal of Biomolecular Structure and Dynamics</i> 34 (6): 1241-1251.	5.2
106	Ali A, Ahmad MM, Khan MA, Gani AA, Kiran U, Prakash A, Hassan MI , Saxena P, Khan S, Ahlawat S, Abdin MZ (2016). Computational characterization and in vivo expression of squalene synthase gene in different tissues of <i>Artemisia annua</i> L. plants. <i>South African Journal of Botany</i> 105:169-177.	3.3
105	Naz F, Sami N, Islam A, Ahmad F, Hassan MI . (2016) Ubiquitin-associated domain of MARK4 provides stability at physiological pH. <i>International Journal of Biological Macromolecules</i> 93(Pt A):1147-1154.	8.02

104	Khan FI, Bisetty K, Wei DQ, Hassan MI . (2016) A pH based molecular dynamics simulations of chitinase II isolated from <i>Thermomyces lanuginosus</i> SSBP. <i>Cognet Biology</i> 2: 1168336.	--
103	Naz H, Shahbaaz M, Bisetty K, Islam A, Ahmad F, Hassan MI (2016) Effect of pH on the structure, function and stability of human calcium/calmodulin-dependent protein kinase IV: A combined spectroscopic and MD simulation studies. <i>Biochemistry and Cell Biology</i> 94(3):221-8.	3.62
102	Amir M, Dar MA, Wahiduzzaman, Islam A, Ahmad F, Hassan MI (2016) Purification and characterization of RGA2, a Rho2 GTPase-activating protein from <i>Tinosporacordifolia</i> . <i>3 Biotech</i> 6(1): 85.	3.40
101	Khan S, Jamal MS, Rasool M, Ansari A, Islam A, Ahmad F and Hassan MI (2016) Functional annotation of putative conserved proteins from <i>Borrelia burgdorferi</i> to find a potential drug target. <i>International Journal of Computational Biology and Drug Design</i> 9: 295 – 318.	--
100	Kumari S, Idrees D, Mishra CM, Prakash P, Wahiduzzaman, Ahmad F, Hassan MI , Tiwari M (2016) Design and synthesis of a novel class of carbonic anhydrase-IX inhibitor 1-(3-(phenyl/4-fluorophenyl)-7-imino-3H-[1,2,3]triazolo[4,5d]pyrimidin 6(7H)yl)urea. <i>Journal of Molecular Graphics and Modeling</i> 64:101-109.	2.51
99	Naz H, Jameel E, Hoda N, Shandilya A, Khan P, Islam A, Ahmad F, Jayaram B, Hassan MI (2016) Structure guided design of potential inhibitors of human calcium-calmodulin dependent protein kinase IV containing pyrimidine scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> 26(3):782-788.	2.83
98	Anwer K, Rahman S, Sonani R, Khan FI, Islam A, Madamwar D, Ahmad F and Hassan MI (2016) Probing pH sensitivity of α C-phycoerythrin and its natural truncant: A comparative study. <i>International J. Biological Macromolecule</i> 86:18-27.	8.02
97	Naz H, Islam A, Ahmad F, Hassan MI (2016) Calcium/Calmodulin-dependent protein kinase IV: A multifunctional enzyme and potential therapeutic target. <i>Progress in Biophysics and Molecular Biology</i> 121(1):54-65.	3.66
96	Idrees D, Kumar D, Rehman SA, Gourinath S, Islam A, Ahmad F and Hassan MI (2016) Cloning, Expression, Purification of Characterization of Human Mitochondrial Carbonic Anhydrase VA. <i>3Biotech</i> 6 (1), 1-8.	3.40
95	Shahbaaz, M., Bisetty K., Ahmad, F., and Hassan, M.I. (2016) Current advances in the identification and characterization of putative drug and vaccine targets in the bacterial genomes. <i>Current Topics in Medicinal Chemistry</i> 16 (9), 1040-1069.	3.29
94	Khan FI, Shahbaaz M, Bisetty K, Waheed A, Sly WS, Ahmad F and Hassan MI (2016) Large scale analysis of the mutational landscape in β -glucuronidase: A major player of mucopolysaccharidosis type VII, <i>Gene</i> 576(1 Pt 1):36-44	3.68
93	Khan FI, Wei DQ, Gu KR, Hassan MI , Tabrez S (2016) Current updates on computer aided protein modeling and designing. <i>International Journal of Biological Macromolecules</i> 85:48-62.	8.02
92	Hassan MI (2016) Recent Advances in the Structure-based Drug design (SBDD) and Discovery. <i>Current Topics in Medicinal Chemistry</i> 16 (9), 899-900.	3.29
91	Khan P, Parkash A, Islam A, Ahmad F, Hassan MI . (2016) Molecular basis of the structural stability of hemochromatosis factor E: A combined molecular dynamic simulation and GdmCl-induced denaturation study. <i>Biopolymers</i> 105 (3), 133-142.	2.50
90	Rahman S, Ali SA, Hassan MI , Islam A and Ahmad F. (2016) Testing the dependence of stabilizing effect of osmolytes on the fractional increase in the accessible surface area on thermal and chemical denaturations of proteins. <i>Archives of Biochemistry and Biophysics</i> 591:7-17.	4.01

89	Tasleem M., Ishrat R, Islam A, Ahmad F and Hassan MI (2015) Human Disease Insight: An integrated knowledge-based platform for disease-gene-drug information. <i>Journal of Infection and Public Health</i> 9(3):331-8.	7.35
88	Hoda N.; Naz H.; Jameel E.; Shandilya A.; Dey S.; Hassan M.I. , Ahmad F; Jayaram B. (2016) Curcumin Specifically binds to the Human Calcium-calmodulin Dependent Protein Kinase IV: Fluorescence and Molecular Dynamics Simulation Studies, <i>Journal of Biomolecular Structure and Dynamics</i> 34 (3):572-84	5.2
87	Naz F, Singh P, Islam A, Ahmad F, Hassan MI. (2016) Human microtubule affinity-regulating kinase 4 is stable at extremes of pH. <i>Journal of Biomolecular Structure and Dynamics</i> 34(6):1241-51	5.2
86	Idrees D, Kumar A, Islam A, Ahmad F and Hassan MI (2016) Spectroscopic and MD simulation studies on unfolding processes of mitochondrial carbonic anhydrase VA induced by urea. <i>Journal of Biomolecular Structure and Dynamics</i> 34(9):1987-97.	5.2
85	Amir M, Wahiduzzaman, Dar MA, Haque MA, Islam A, Ahmad F and Hassan MI (2016) Purification and characterization of oligonucleotide binding (OB)-fold protein from medicinal plant <i>Tinospora cordifolia</i> . <i>J Chromatography B Analytical Technology Biomedical Life Sciences</i> 1008:38-44.	5.2
84	Amir M, Wahiduzzaman, Dar MA, Haque MA, Islam A, Ahmad F and Hassan MI (2016) Purification and Characterization of Ras related protein, Rab5a from <i>Tinospora Cordifolia</i> . <i>International Journal of Biological Macromolecules</i> 82:471-479.	8.02
83	Ishrat M, Hassan MI , Ahmad F, Moosavi-Movahedi AA, Islam A (2016) Effect of dextran macromolecular crowding on the thermodynamic stability and structure of ribonuclease A. <i>Journal of the Iranian Chemical Society</i> 13 (1), 181-189.	2.01
82	Naz F, Shahbaaz, M., Bisetty K., Islam A, Ahmad F, Hassan MI. (2015) Designing new kinase inhibitor derivatives as therapeutics against common complex diseases: Structural basis of microtubule affinity-regulating kinase 4 (MARK4) inhibition. <i>OMICS: Integrative Biology</i> 19(11):700-11	3.87
81	Naz F, Shahbaaz, M., Khan S, Bisetty K., Islam A, Ahmad F, Hassan MI. (2015) PKR-inhibitor binds efficiently with human microtubule affinity-regulating kinase 4. <i>Journal of Molecular Graphics and Modeling</i> 62:245-52.	2.51
80	Kumar K, Prakash A, Islam A, Ahmad F, Hassan MI. (2015) Identification of functional candidates amongst hypothetical proteins of <i>Neisseria gonorrhoeae</i> . <i>Letters in Drug Design & Discovery</i> 12(2): 101-116.	1.15
79	Khan FI, Bisetty K, Singh S and Hassan MI (2015) Chitinases from <i>Thermomyces lanuginosus</i> and its biotechnological applications. <i>Extremophiles</i> 19(6):1055-1066.	2.4
78	Shahbaaz, M., Bisetty K., Ahmad, F., and Hassan, M.I. (2015) In silico approaches for the identification of virulence candidates amongst hypothetical proteins of <i>Mycoplasma pneumoniae</i> 309. <i>Computational Biology and Chemistry</i> 59(Pt A):67-80.	2.87
77	Shahid S, Hassan MI , Ahmad F, Islam A (2015) Relationship between protein stability and functional activity in the presence of macromolecular crowding agents alone and in mixture: an insight into stability-activity trade-off. <i>Archives of Biochemistry and Biophysics</i> 584:42-50.	4.01
76	Naz F, Islam A, Ahmad F, Hassan MI. (2015) Atypical PKC phosphorylates microtubule affinity-regulating kinase 4 in vitro. <i>Molecular and Cellular Biochemistry</i> 410 (1-2): 223-8.	3.87
75	Shahbaaz, M., Bisetty K., Ahmad, F., and Hassan, M.I. (2015) Functional Insight into Putative Uncharacterized Proteins of <i>Rickettsia rickettsii</i> and its Virulence Characterization. <i>Current Proteomics</i> 12(2): 101 - 116.	0.87

74	Aneja B., Irfan M., Hassan M. I. , Amresh P., Yadava U., Daniliuc C.G., Azam A; Zafaryab M; Moshahid RA; Abid M, (2016) Monocyclic β -lactam and unexpected oxazinone formation: Synthesis, crystal structure, docking studies and antibacterial evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 31(5):834-852.	5.05
73	Singh R, Hassan MI , Islam A and Ahmad F. (2015) Cooperative Unfolding of Residual Structure in Heat Denatured Proteins by Urea and Guanidinium Chloride, <i>Plos One</i> 10 (6): e0128740	3.75
72	Beg I, Minton AP, Hassan M.I. , Islam A, Ahmad F. (2015) Thermal Stabilization of Proteins by Mono- and Oligosaccharides: Measurement and Analysis in the Context of an Excluded Volume Model. <i>Biochemistry</i> 54(23): 3594-603.	3.3
71	Shahbaaz, M., Bisetty K., Ahmad, F., and Hassan, M.I. (2015) Functional predication of putative uncharacterized proteins of <i>Neisseria meningitidis</i> MC58 and its virulence characterization. <i>OMICS: Integrative Biology</i> 19(7):416-34.	3.87
70	Naqvi A.A.T.; Ahmad F.; Hassan M.I. (2015) Identification of functional candidates amongst hypothetical proteins of <i>Mycobacterium leprae</i> Br4923, a causative agent of leprosy; <i>Genome</i> 58(1):25-42.	2.13
69	Naqvi AAT, Shahbaaz M, Ahmad F and Hassan MI (2015) Functional annotation of hypothetical proteins from <i>Treponema pallidum</i> , <i>Plos ONE</i> 10(4): e0124177	3.75
68	Naiyer A.; Hassan M.I. ; Islam A.; Sundd M.; Ahmad F. (2015) Structural characterization of MG and pre-MG states of proteins by MD simulations, NMR, and other techniques, <i>Journal of Biomolecular Structure and Dynamics</i> , 33(10):2267-2284	5.2
67	Rahaman H.; Khan M.K.A.; Hassan M.I. ; Islam A.; Moosavi-Movahedi A.A.; Ahmad F. (2015) Heterogeneity of Equilibrium Molten Globule State of Cytochrome c Induced by Weak Salt Denaturants under Physiological Condition, <i>Plos One</i> 10(4):e0120465	3.75
66	Anwer K, Sonani R, Madamwar D, Singh P, Khan F, Bisetty K, Islam A, Ahmad F and Hassan MI (2015) Folding and stability of C-phycoerythrin: Molecular dynamics simulation and urea-induced denaturation studies. <i>Journal of Biomolecular Structure and Dynamics</i> 33, 121-133.	5.2
65	Zaidi S.; Hassan M.I. ; Islam A.; Ahmad F. (2015) Structural Characteristics of Stable Folding Intermediates of Yeast Iso-1-Cytochrome-c. <i>Biomacromolecular Journal</i> 1, 19-45.	--
64	Mohammad T, Batra S, Dahiya R, Baig MH, Rather IA, Dong JJ, Hassan MI (2019) Identification of High-Affinity Inhibitors of Cyclin-Dependent Kinase 2 Towards Anticancer Therapy. <i>Molecules</i> 24(24).	4.98
63	Sinha A.; Ahmad F.; Hassan M. I. (2015) Structure based functional annotation of putative conserved proteins from <i>Treponema pallidum</i> : search for a potential drug target; <i>Letters in Drug Design and Discovery</i> 12, 46-59.	1.2
62	Haque M.A.; Ubaid-ullah S.; Zaidi S.; Hassan M.I. ; Islam A.; Batra J.K., and Ahmad F (2015) Characterization of pre-molten globule state of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25° C; <i>International Journal of Biological Macromolecules</i> 72, 1406-18	8.02
61	Haque A, Ubaidullah S, Zaidi S, Hassan MI , Islam A, Batra JK and Ahmad F (2015) In vitro and in silico studies of urea-induced denaturation of yeast iso-1-cytochrome c and its deletants at pH 6.0 and 25 °C. <i>Journal of Biomolecular Structure and Dynamics</i> 33(7):1493-502.	3.1
60	Shahbaz M, Ahmad F and Hassan MI (2015) Sequence and Structure Analysis Putative Conserved Proteins having Lyase Activity from <i>Haemophilus influenzae</i> Rd KW20. <i>3Biotech</i> 5: 317-336.	3.40

59	Kumar K, Prakash A, Islam A, Ahmad F, Hassan MI (2015) Structure based Functional Annotation of Hypothetical Proteins from <i>Candida dubliniensis</i> : A Quest for Novel Drug Target, 3 Biotech 5:561–576	3.40
58	Shahbaaz M.; Ahmad F.; Hassan M.I. (2015) Structure-based function analysis of putative conserved proteins with isomerase activity from <i>Haemophilus influenzae</i> ; 3 Biotech 5(5): 741–763	3.40
57	Tasleem M, Ishrat R, Islam A, Ahmad F and Hassan MI (2015) Structural and Functional Analysis of Arg674 Mutation in MyH8 Gene Associated with Trsimus-Pseudocamptodactyly Syndrome. <i>Letters in Drug Design and Discovery</i> 11, 1177-87.	1.2
56	Dar MA, Wahiduzzaman, Hassan MI , Islam A and Ahmad F (2014) Purification and Characterization of Calreticulin: A Ca ²⁺ - binding Chaperone from Sheep Kidney. <i>Applied Biochemistry and Biotechnology</i> 174, 1771-83.	3.26
55	Devika NT, Prakash A, Hassan MI , Ali BMJ (2014) Molecular modeling and simulation of human eNOS reductase domain, an enzyme involved in release of vascular Nitric Oxide. <i>Journal of Molecular Modeling</i> 20(10):2470.	1.81
54	Minakshi R, Padhan K, Rahman S, Hassan MI , Ahmad F (2014) The SARS Coronavirus 3a protein binds calcium in its cytoplasmic domain, <i>Virus Research</i> 191, 180-183.	5.35
53	Ali SA, Hassan MI , Islam A and Ahmad F (2014) Methods Available to Estimate Protein Solvent-Accessible Surface Areas in the Folded and Unfolded State. <i>Current Protein Peptide Science</i> 15: 456-76.	3.1
52	Kumar K, Prakash A, Tasleem M, Islam A, Ahmad F and Hassan MI (2014) Functional annotation of putative hypothetical proteins from <i>Candida dubliniensis</i> . <i>Gene</i> 543(1):93-100.	3.6
51	Khan P, Idrees D, Moxley MA, Corbett JA, Ahmad F, von Figura G, Waheed A, Sly WS and Hassan MI (2014) Luminol based chemiluminescent signals: applications in clinical measurements. <i>Applied Biochemistry and Biotechnology</i> 173, 333-55	3.25
50	Naz F, Asad M, Malhotra P, Islam A, Ahmad F and Hassan MI (2014) Cloning, expression, purification and refolding of Microtubule Affinity-Regulating Kinase 4 expressed in <i>Escherichia coli</i> . <i>Applied Biochem and Biotechnology</i> 172(6):2838-2844.	3.25
49	Ubaid-ullah S.; Haque M.A.; Zaidi S.; Hassan M.I. ; Islam A.; Batra J.K., Ahmad F. (2015) Effect of sequential deletion of extra N-terminal residues on the structure and stability of yeast iso-1-cytochrome-c; <i>Journal of Biomolecular Structure and Dynamics</i> 32, 2005-16	5.2
48	Anwer K, Rahman S, Parmar A, Sonani R, Madamwar D, Singh P, Islam A, Ahmad F and Hassan MI (2014) Folding and stability studies on C-PE and its natural N-terminal truncant. <i>Archives of Biochemistry and Biophysics</i> 545C:9-21.	4.01
47	Thakur P, Prakash A, Fleming RE, Waheed A, Ahmad F and Hassan MI (2014) Identification of interfacial residues involved in Hcpidin-Ferroproten interaction and their role in Iron Homeostasis. <i>Letters Drug Design & Discovery</i> 11 (3), 363-374.	1.2
46	Kumar V, Gupta P and Hassan MI (2019) Mechanism and Implications of Chinese herbal medicine in Amyotrophic Lateral Sclerosis Therapy. <i>Journal of Proteins and Proteomics</i> 10 (2) 131–147.	-
45	Singh A, Thakur P, Meena M, Kumar D, Bhatnagar S, Dubey AK and Hassan MI (2014) Interaction between Basic 7S Globulin (Glycine max) and Leginsulin: A Structural Insight. <i>Letters in Drug Design and Discovery</i> 11 (2), 231-239.	1.2
44	Hassan MI , Kumar P and Gourinath S (2013) Professor Tej Pal Singh: The legend of Indian Macromolecular Crystallography. <i>Journal of Protein and Proteomics</i> 4: 67-81.	--

43	Amresh P, Kumar K, Islam A, Hassan M. I. , Ahmad F (2013) Receptor Chemoprint Derived Pharmacophore Model for Development of CAIX Inhibitors. <i>Journal of Carcinogenesis and Mutagenesis</i> 58: 003.	--
42	Shahbaaz M, Ahmad F and Hassan MI (2013) Functional Annotation of Conserved Hypothetical Proteins from <i>Haemophilus influenzae</i> Rd KW20. <i>Plos ONE</i> 8(12): e84263.	3.75
41	Hassan MI , Waheed A, Grubb JH, Klei HE, Anumula GR, Korolev S and Sly WS (2013) High resolution crystal structure of human β -glucuronidase reveals structural basis of lysosome targeting. <i>Plos ONE</i> 8(11): e79687.	3.75
40	Khan S, Bano Z, Singh LR, Hassan MI , Islam A, Ahmad F (2013) Testing the Ability of Non-Methylamine Osmolytes Present in Kidney Cells to Counteract the Deleterious Effects of Urea on Structure, Stability and Function of Proteins. <i>PLoS ONE</i> 8(9): e72533	3.75
39	Naz H, Islam I. Waheed A, Ahmad F, Sly WS, Hassan MI (2013) Human β -glucuronidase: Structure, function and application in enzyme replacement therapy. <i>Rejuvenation Research</i> 16(5):352-363.	3.66
38	Hassan MI , Saji B, Ahmad F, Waheed A and Sly WS (2013) Structure and functions of carbonic anhydrases. <i>Bioorganic & Medicinal Chemistry</i> 21(6):1570-82	3.64
37	Naz F, Anjum F, Islam A, Ahmad F, Hassan MI . (2013) Microtubule Affinity-Regulating Kinase 4: Structure, Function, and Regulation. <i>Cell Biochemistry & Biophysics</i> . 67(2):485-499.	2.98
36	Thakur P, Kumar J, Ray D, Anjum F and Hassan MI (2013) Search of potential inhibitor against New Delhi metallo- β -lactamase 1 from a series of antibacterial natural compounds using docking approach. <i>Journal of Natural Science, Biology and Medicine</i> 4: 51-56.	2.10
35	Hassan MI , Waheed A, Chang Y, Sly WS, Ahmad F. and Fleming RE (2013) Characterization and Quantization of Hepcidin from Human and Mouse Serum and Secretion Medium from Human Liver Cell Line, Hu.7 by MALDI-TOF MS. <i>Journal of Protein and Proteomics</i> 4, 9-17.	--
34	Hassan MI , Ahmad F, Waheed A and van Etten RL (2013) Fluorescent Dye Conjugates of Rabbit Arylsulfatase A: Application in Immuno-fluorescent Assay, Protein-Protein Interaction, and as Biological Tracer for Endocytosis. <i>Applied Biochemistry and Biotechnology</i> 170(4):972-979.	3.36
33	Ahmad F, Jan R, Kannan M, Obser T, Hassan MI , Oyen F, Budde U, Saxena R, Schneppenheim R. (2013) Characterization of mutations and molecular studies of type 2 von Willebrand disease. <i>Thrombosis and Haemostasis</i> 109:39-46.	5.26
32	Rahaman H, Khan MKA, Hassan MI , Islam A and Ahmad F. (2013) Evidence of non-coincidence of normalized sigmoidal curves of two different structural properties for two-state protein folding/unfolding. <i>Journal of Chem Thermodynamics</i> 58: 351-358	3.17
31	Khan S, Bano Z, Singh LR, Hassan MI , Islam A, Ahmad F (2012) Why is glycine not a part of the osmoticum in the urea-rich cells? <i>Protein & Peptide Letters</i> 20:61-70.	1.89
30	Hassan MI , Naeem A, Khan MKA, Khan RH, Singh S, Singh TP, Yadav S, (2012) Protective Effect of Prolactin Induced Protein on Zinc α 2-Glycoprotein against various Denaturants. <i>Journal of Protein and Proteomics</i> 3: 105-111	--
29	Ojha H, Mishra K, Hassan MI , Chaudhuri NK (2012) Spectroscopic and isothermal titration calorimetry studies of binding interaction of ferulic acid with bovine serum albumin. <i>Thermochimica Acta</i> , 548: 56-64	3.11
28	Kumar V, Yadav VK, Hassan MI , Singh AK, Dey S, Singh S, Singh TP, Yadav S. (2012) Kinetic and structural studies on the interactions of heparin and proteins of human seminal plasma using surface plasmon resonance. <i>Protein Peptide Letters</i> 19:795-803.	1.89

27	Hassan MI , Saxena A and Ahmad F (2012) Structure and function of VWF, the Protein That is Deficient and/or Abnormal in Inherited VWD. <i>Blood Coagulation & Fibrinolysis</i> 23:11-22	1.2
26	Thakur P and Hassan MI (2011) Discovering a Potent Small Molecule Inhibitor for Gankyrin Using <i>de novo</i> Drug Design Approach. <i>International Journal of Computational Biology and Drug Design</i> 4:373-786	-
25	Rehman MT, Dey P, Hassan MI , Ahmad F, Batra JK. (2011) Functional role of glutamine 28 and arginine 39 in double stranded RNA cleavage by human pancreatic ribonuclease. <i>PLoS One</i> 6: e17159.	3.75
24	Khan, K.A., Rahman, M.H., Hassan, M.I. , Singh, T.P. and Ahmad, F. (2010), Conformational and Thermodynamic Characterization of the Premolten Globule State Occurring during Unfolding of Molten Globule State of Cytochrome-c by Lithium Chloride. <i>Journal of Biological Inorganic Chemistry</i> 15(8):1319-1329.	3.86
23	Neyaz, M.K., Hussain, S., Hassan, M.I. , Das, B.C., Husain, S.A., Bharadwaj, M. (2010) Novel missense mutation in FHIT gene: interpreting the effect in HPV-mediated cervical cancer in Indian women. <i>Molecular and Cellular Biochemistry</i> 335, 53-8.	3.87
22	Soni, B.R., Hassan, M.I. , Parmar, A. <i>et. al.</i> (2010) Structure of the novel 14 kDa fragment of α -subunit of phycoerythrin from the starving cyanobacterium <i>Phormidium tenue</i> . <i>Journal of Structural Biology</i> 171: 247-55.	3.25
21	Hassan, M.I. , Aijaz A and Ahmad F. (2010). Structural and Functional Analysis of Human Prostatic Acid Phosphatase, a Prognostic Biomarker for Prostate Carcinoma. Expert Review of Anticancer Therapy 10: 1055-1068.	3.62
20	Hassan, M.I. , Toor, A., Ahmad, F. (2010) Progastriscin: structure, function, and its role in tumor progression. <i>Journal of Molecular Cell Biology</i> 2, 118-27.	8.18
19	Hassan, M.I. , Naiyer, A., Ahmad, F. Fragile histidine triad protein: structure, function, and its association with tumorigenesis. <i>Journal of Cancer Research and Clinical Oncology</i> 136, 333-50.	4.55
18	Khan, K.A., Das, U., Rahman, M.H., Hassan, M. I. , Srinivasan, A., Singh, B., Singh, T.P. and Ahmad, F. (2009), Disruption of a conserved residue induces molten globule in cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> 14: 751-760.	3.86
17	Ojha, H., Murari, B.M., Anand, S., Hassan, M.I. , Ahmad, F., Chaudhury, N.K. (2009) Interaction of DNA minor groove binder Hoechst 33258 with bovine serum albumin. <i>Chemical Pharmaceutical Bulletin (Tokyo)</i> 57, 481-6.	1.64
16	Kumar, V., Hassan, M.I. , Singh, A.K., Dey, S., Singh, T.P. and Yadav, S. (2009) Strategy for sensitive and specific detection of molecular forms of PSA based on 2DE and kinetic analysis: a step towards diagnosis of prostate cancer. <i>Clinica Chimica Acta</i> 403: 17-22.	3.78
15	Kumar, V., Hassan, M.I. , Tomar, A.K., Kashav, T., Nautiyal, J., Singh, S., Singh, T.P., Yadav, S. (2009) Proteomic analysis of heparin-binding proteins from human seminal plasma: a step towards identification of molecular markers of male fertility. <i>Journal of Biosciences</i> 34, 899-908.	1.82
14	Khan P, Shandilya A, Jayaram B, Islam A, Ahmad F, Hassan MI . (2017) Effect of pH on the Stability of Hemochromatosis Factor E: A Combined Spectroscopic and Molecular Dynamics Simulation Based Study. <i>Journal of Biomolecular Structure and Dynamics</i> 35(7):1582-1598.	5.2
13	Hassan, M. I. , Kumar, V., Singh, T.P. and Yadav, S. (2008) Purification and Characterization of a Novel Complex of Zinc α 2-glycoprotein and Prolactin Inducible Protein from. Human Seminal Plasma. <i>J Sep Science</i> 31, 2318-2324.2.	3.64

12	Atif, S. M ., Salam, N., Ahmad, N., Hassan, M.I. , Jamal, H. S., Azevedo, V. And Owais, M. (2008) Sperm membrane lipid liposomes can evoke an effective immune response against encapsulated antigen in BALB/c mice. <i>Vaccine</i> 26, 5874-5882.	4.15
11	Rahman, M.H., Khan, K.A., Hassan, M.I. , Wahid, M., Singh, B., Singh, T.P., Moosavi-Movahedi, A.K. and Ahmad F (2008), Sequence and stability of the goat cytochrome c. <i>Biophysical Chemistry</i> 138, 23-28.	2.35
10	Kumar, V., Hassan, M.I. , Singh, T.P. and Yadav, S. (2008) Comparative Studies on the Aggregation Behavior of HBPs from Human Seminal Plasma by Dynamic Light Scattering. <i>Protein & Peptide Letters</i> 15, 633-639.	1.89
9	Kumar, V., Hassan, M.I. , Singh, T.P. and Yadav, S. (2008) Heparin-binding proteins of human seminal plasma: Purification and characterization. <i>Molecular Reproduction and Development</i> 75, 1767-1774.	2.8
8	Waheed, A., Hassan, M. I. , van Etten, R.L. and Ahmad, F. (2008) Human Seminal Proteinase and Prostate-Specific Antigen are the Same Protein. <i>J Biosc</i> 33,195-207.	1.8
7	Hassan, M. I. , Waheed, A., Singh, T.P. Yadav, S. and Ahmad F. (2008) Zinc α 2-glycoprotein is a multidisciplinary protein. <i>Molecular Cancer Research</i> 6: 892-906.	5.85
6	Hassan, M. I. , Kumar, V., Bilgrami, S., Yadav, S., Kaur, P. And Singh, T.P. (2008) Crystal structure of a novel complex formed between Zinc α 2-glycoprotein (ZAG) and Prolactin inducible protein (PIP) from human seminal plasma. <i>Journal of Molecular Biology</i> 384: 663–672.	5.46
5	Hassan, M. I. , Kumar, V., Singh, T.P. and Yadav, S. (2008) Proteomic analysis of human amniotic fluid from Rh ⁻ Pregnancy. <i>Prenatal Diagnosis</i> 28, 102–108.	3.05
4	Hassan, M.I. , Kumar, V., Somvanshi, R.K., Dey, S., Singh, T.P. and Yadav, S. (2007) Structure-guided design of peptidic ligand for human prostate specific antigen. <i>Journal of Peptide Science</i> 13, 849-855.	1.90
3	Hassan, M.I. , Kumar, V., Singh, T.P. and Yadav, S. (2007) Structural model of human PSA: a target for prostate cancer therapy. <i>Chemical Biol Drug Design</i> 70, 261-267.	2.81
2	Hassan, M.I. , Kumar, V., Kashav, T., Alam, N., Singh, T.P. and Yadav, S. (2007) Proteomic approach for purification of seminal plasma proteins involved in tumor proliferation. <i>Journal of Separation Science</i> 30, 1979-1988.	3.64
1	Atif, S.M., Hassan, M.I. , Ahmad, N., Khan, U. and Owais, M. (2006) Fusogenic potential of sperm membrane lipids: nature's wisdom to accomplish targeted gene delivery. <i>FEBS Letters</i> 580, 2183-2190.	5.12
Publication as Book Chapter		
Q	1	Hassan MI and Ahmad F (2011) Structural diversity of class I MHC-like Molecules and its implications in Binding specificities. <i>Advances in Protein Chemistry and Structural Biology</i> , Vol. 83: pp. 223-270.
	2	Naqvi AAT and Hassan MI (2016) Design Principles, Network Architecture and Their Analysis Strategies as Applied to Biological Systems. Chapter 3. Systems Biology Application in Synthetic Biology, 978-81-322-2807-3. Published by Springer
	3	Naqvi AAT and Hassan MI (2016) Chapter 2: Methods for Docking and Drug Designing in Molecular Docking-Based Drug Design and Discovery. Published by IGI Global.
	4	Sami N, Kumar V and Hassan MI (2016) Microtubule Affinity Regulating Kinase-4. <i>Encyclopedia of Signaling Molecules</i> (DOI: 10.1007/978-1-4614-6438-9_101744-1).

5	Kumar V, Kashav T and Hassan MI (2018) Amyotrophic lateral sclerosis: Current therapeutic perspectives in Pathology, Prevention and Therapeutics of Neurodegenerative Disease (ISSN No. 978-981-13-0943-4).
6	Khan P, Queen A, Hassan MI and Ali S (2019) Genetics Ageing and Human Health in Springer Book titled "Models, Molecules and Mechanisms in Biogerontology" (DOI: 10.1007/978-981-13-3585-3_10).
7	Mohammad T and Hassan MI (2018) Modern Approaches in Synthetic Biology: Genome Editing, Quorum Sensing, and Microbiome Engineering. In: Singh S. (eds) Synthetic Biology. Springer, Singapore. ISBN No. 978-981-10-8692-2
8	Mohammad T, Hassan MI (2018) Genome Microbiology for Synthetic Applications. In: Singh S. (eds) Synthetic Biology. Springer, Singapore. ISBN No. 978-981-10-8692-2
9	Naqvi AAT, Mohammad T and Hassan MI (2019) Discovery of novel drug targets in microbial pathogens among hypothetical proteins: Methods and significance in the Book titled Pathogenicity and Drug resistance of Human pathogens -Mechanisms and Novel approaches Published by Springer. 978-981-329-449-3.
10	Dahiya, R., Mohammad, T., Hassan, M.I. (2020). Role of Genome-Wide Association Studies in Host Genetics: Toward Understanding of Microbiome Association. In: Singh, S. (eds) Metagenomic Systems Biology. Springer, Singapore. https://doi.org/10.1007/978-981-15-8562-3_2
11	Mohammad, T., Dahiya, R., Hassan, M.I. (2020). Implication of Synthetic Biology in Biotherapeutic Engineering. In: Singh, S. (eds) Systems and Synthetic Immunology. Springer, Singapore. https://doi.org/10.1007/978-981-15-3350-1_9
12	Naqvi AT, Kiran U, Abdin MZ and Hassan MI (2020) Structural and functional characterization of proteins using in silico tools in Transgenic Technology for Value Addition, Plant Biotechnology: Principles and Applications Published by Elsevier.
13	Bashir S, Sami N, Bashir S, Ahmad F, Hassan MI and Islam A (2020) Management of Insulin Through Co-Solute Engineering: A Therapeutic Approach. Frontiers in Protein Structure, Function, and Dynamics by Springer Nature (ISBN 978-981-15-5530-5).
14	Shahid S, Hasan I, Ahmad F, Hassan MI and Islam A, (2020) Effect of size of crowder on protein stabilization in the Recent Research Advances in Biology published by Book Publisher International.
15	P. Gupta, A. Taiyab, M.I. Hassan, Emerging role of protein kinases in diabetes mellitus: From mechanism to therapy, in: Advances in Protein Chemistry and Structural Biology, Academic Press, 2020.
16	Naqvi, A.A.T., Rizvi, S.A.M., Hassan, M.I. (2022). How Machine Learning Has Revolutionized the Field of Cancer Informatics? In: Singh, S. (eds) Machine Learning and Systems Biology in Genomics and Health. Springer, Singapore. https://doi.org/10.1007/978-981-16-5993-5_5
17	Alam, M., Naqvi, A.A.T., Hassan, M.I. (2022). Emerging Role of Structural and Systems Biology in Anticancer Therapeutics. In: Singh, S. (eds) Systems Biomedicine Approaches in Cancer Research. Springer, Singapore. https://doi.org/10.1007/978-981-19-1953-4_5
18	Shamsi, A., Anwar, S., Mohammad, T., Shahwan, M., Hassan, M.I., Islam, A. (2021). Therapeutic Potential of Polyphenols in Alzheimer's Therapy: Broad-Spectrum and Minimal Side Effects as Key Aspects. In: Md Ashraf, G., Alexiou, A. (eds) Autism Spectrum Disorder and Alzheimer's Disease. Springer, Singapore. https://doi.org/10.1007/978-981-16-4558-7_7
19	Ali, S., Alam, M., Hassan, M. I., and Noor, S. Chapter 1 - Kinase inhibitors: An overview, in Protein Kinase Inhibitors, pp 1-22, Academic Press 2022.

20	Shakeel, I., Zaidi, Y., Gupta, V., Badar, S., Khan, M. K. A., Abdullaev, B., Afzal, M., Hassan, M. I., and Noor, S. Chapter 6 - Emerging small-molecule inhibitors of ATM kinase targeting cancer therapy, in Protein Kinase Inhibitors, pp 179-198, Academic Press 2022.
21	Haque, M. A., Kaur, P., Islam, A., Hassan, M. I., Chapter 14 - Application of circular dichroism spectroscopy in studying protein folding, stability, and interaction, in Advances in Protein Molecular and Structural Biology Methods, pp 213-224, Academic Press 2022. ISBN No. 978-0-323-90264-9
22	Anwar, S., Shamsi, A., Mohammad, T., Islam, A., Hassan, M. I., and Noor, S. Chapter 7 - Targeting pyruvate kinase M2 signaling for development of effective cancer therapy, in Protein Kinase Inhibitors, pp 199-222, Academic Press 2022.
23	Alam, M., Ali, S., Hassan, M. I., and Noor, S. Chapter 9-Akt inhibitors in cancer therapy, in Protein Kinase Inhibitors, pp 239-260, Academic Press 2022.
24	Mohammad, T., Hassan, M. I., and Noor, S. Chapter 8 - Serum and glucocorticoid-regulated kinase 1: A potential target for anticancer therapy, in Protein Kinase Inhibitors, pp 223-238, Academic Press 2022.
25	Kumar, D., Hassan, M. I., and Noor, S. Chapter 5 - Recent advances in the therapeutic development of ERK inhibitors, in Protein Kinase Inhibitors, pp 129-178, Academic Press 2022.
26	Noor, S., Raza, A., and Hassan, M. I. Chapter 19 - Therapeutic targeting of glycogen synthase kinase-3: Strategy to address neurodegenerative diseases, in Protein Kinase Inhibitors, pp 535-569, Academic Press 2022.
27	Gupta P, Islam A, Ahmad F and Hassan MI (2023) Applications of Circular Dichroism Spectroscopy in Studying Protein Folding, Stability, and Interaction in Protein Folding Dynamics and Stability: Experimental and Computational Methods by Springer Nature Singapore
28	Hassan MI, Umair M, Mathur Y, Mohammad T, Khan A, Sulaymani N, Alam A and Islam A (2023) Molecular Dynamics Simulation to Study Thermal Unfolding in Proteins in Protein Folding Dynamics and Stability: Experimental and Computational Methods by Springer Nature Singapore
29	Kumar D and Hassan MI (2023) Regulation of receptor tyrosine kinase gene expression in Receptor Tyrosine Kinases in Neurodegenerative and Psychiatric Disorders published by Academic Press, Elsevier, ISBN: 9780443186776.
30	Alam M, Shamsi A, Hassan MI (2023) Biological Roles and Mechanism of Phytochemicals in Disease Prevention and Treatment in Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants: Steps Towards Drug Discovery Published by CRC Press ISBN: 9781032256085
31	Shakeel I, Mohammad T and Hassan MI (2023) Computational phytochemistry in drug discovery: Databases and Tools in Disease Prevention and Treatment in Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants: Steps Towards Drug Discovery Published by CRC Press ISBN: 9781032256085.
32	Shakeel I, Rathi A, Taiyab A, Hassan MI (2023) Insights into SARS-CoV-2 structure: Approaches and action of SARS-CoV-2 Main Protease Inhibitors in Understanding the Pandemic: Pathophysiology, Transmission, and Treatment of COVID-19 Published by Academic Press, Elsevier. ISBN: 9780443290046
33	Khan S.; Anwar S.; Choudhury A.; Mohammad T.; Hassan M.I. (2024) Validation of drug targets using molecular methodologies and enzymatic activity assays for validation of inhibitory potential in Bacterial Enzymes as Targets for Drug Discovery: Meeting the Challenges of Antibiotic Resistance 91-112.

	34	Shahbaaz M and Hassan MI (2025) Isothermal titration calorimetry in enzymology: techniques and applications in the new Elsevier series Foundations and Frontiers in Enzymology.
R	Book Edited	
	1	Md. Imtaiyaz Hassan, Saba Noor (2022) Protein Kinase Inhibitors: From Discovery to Therapeutics, Published by Academic Press, Elsevier, ISBN: 9780323912877
	2	Sufian Badar, Md. Imtaiyaz Hassan, Jawed Ahmad, Nima Razae, Afshar Alam (2023) COVID-19 Analysis and Diagnosis by Emerging Technologies Published by Academic Press, Elsevier.
S	Abstract Published in Conferences Total 146	
T	Conference/Seminar Organized as Convener	
	i. Organizing Secretary, International Interdisciplinary Science Conference 2011 on Bioinformatics: Interface between Computer Science and Biology held on November 15-17, 2011, organized by Jamia Millia Islamia, New Delhi. ii. Organizing Secretary, Interdisciplinary Science Conference 2012 on Protein Folding and Diseases held on December 8-10, 2012, organized by Jamia Millia Islamia New Delhi. iii. Convener, National Conference on Recent Trends in Protein Structural Biology held on December 16 to 18, 2013, organized by Jamia Millia Islamia New Delhi. iv. Convener, National Symposium on Biophysics and Golden Jubilee Meeting of Indian Biophysical Society held on February 14-17, 2015, at Jamia Millia Islamia, New Delhi. v. Convener, National conference on Protein Structure and Dynamics in Health and Agriculture, held during November 3-4, 2017, at Jamia Millia Islamia, New Delhi. vi. Coordinator, 6 th 3-Week Refresher Course in Basic Science (Interdisciplinary) held in Human Recourse Development Centre, Jamia Millia Islamia held on 26 th September to 17 th October 2018. vii. Coordinator, 9 th 2-Week Online Refresher Course in Basic Science (Interdisciplinary) held in Human Recourse Development Centre, Jamia Millia Islamia held on during October 5-21, 2021.	
T	E-content Developed for E-PG Pathshala (4 quadrants)	
	P-09. Techniques used in molecular biophysics I	6 modules
	P-14. Bioinformatics	4 modules
	P-10. Techniques Used in Molecular Biophysics II (Based on Spectroscopy)	26 modules
U	Administrative responsibility taken	
	i. Assistant Dean Students Welfare (2017-2019).	
	ii. Administrative coordinator of Global Jamia Alumni Network (2017-2021).	
	iii. Member, Institutional Quality Assurance Cell, Jamia Millia Islamia (2014-2020).	
	iv. Warden of Boy's Hostel of Jamia Millia Islamia (2013-2015).	
	v. Senior and Residential Warden of Jamia Schools Hostel (2015-till date).	
	vi. Assistant Incharge, Alumni Connect Cell, Jamia Millia Islamia (2021-till date)	
	vii. Deputy Provost, Zakir Hussain Hall of Boys, Jamia Millia Islamia (2023-2024).	
	viii. Deputy Proctor of Jamia Millia Islamia (2023-2024).	

Declaration: All the information provided in this resume is true to the best of my knowledge and belief.

(Dr. Md. Imtaiyaz Hassan)