


CURRICULUM VITAE

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Publication statistics			
Total publications	Research Papers	Review Papers	Book Chapters
343	273	49	15
Citation Index			
Total citations	Last 5 years citation	H index	I ₁₀ index
7104	6000	43	206
Impact factor wise			
More than 5	4-5	3-4	2-3
67	59	76	46
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		
	Date of Birth		17-SEP-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		
	2018-till date	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		
	Structural Biology, Biophysics, Biochemistry, Molecular Cell Biology, Protein Expression and Purification, Molecular Spectroscopy, X-Ray Crystallography, Protein Folding Kinetics, Bioinformatics, and Medicinal Chemistry.		
H	Teaching Experience 12 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	5	
	Ph.D. Degree Awarded under main supervision	7	
	Ph.D. Degree Awarded under Co-supervision	11	
	Ph.D. Students registered under main supervision	4	
	Ph.D. Students registered under Co-supervision	6	
J	Dissertations supervised at UG and PG level: (Six Months dissertation)		120 Students
K	Award and Honors		
	2020	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 2019, Seoul, Korea.	
	2018	Selected as an ‘OUTSTANDING RESEARCHER in Biophysics’ by Venus International Healthcare Awards – 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)		
	American Chemical Society		

	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)	
	Indian Academy of Biomedical Sciences. (Life Member)	
M	Invited talk/Oral presentations	
1.	2005	Symposium on Macromolecular Crystallography, Centre for DNA finger printing and diagnostics, Hyderabad, India.
2.	2006	6 th annual symposium on Frontier in Biomedical research FBR 2006 at <i>Dr. BR Ambedkar Centre for Biomedical Research</i> , University of Delhi, New Delhi, India.
3.	2008	Okinawa Institute of Science and Technology, Okinawa, Suzuki Uruma, Japan.
4.	2008	Advances in Clinical Biochemistry-Biomarkers, Molecular Diagnosis at Aligarh Muslim University, Aligarh, India
5.	2011	National symposium on Biomolecular drug targets, Aligarh Muslim university, Aligarh on March 7-9, 2011
6.	2012	Annual Meeting of the Indian Biophysical Society held on January 19 – 21, 2012 at Madras University, Chennai.
7.	2012	5 th International Symposium on Recent Trends in Macromolecular Structure and Function (ISRTMSF-2012) on January 23 – 25, 2012 at Madras University, Chennai
8.	2012	National Conference on Biology and Bioinformatics of Economically Important Plant and microbes (BBCon2012) at University of North Bengal, Siliguri, February 17-19, 2012.
9.	2012	National Symposium on Bimolecular Interaction and Drug Discovery & Workshop on Current Trends in Bioinformatics, AMU, Aligarh, March 21-22, 2012.
10.	2012	81 st Annual meeting of the Society of Biological chemists (India) to be held during November 8-11 at Kolkata.
11.	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.
12.	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
13.	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.
14.	2014	Bioworld2014, Protein Structure and Function Organized by Kusuma School of Biological Sciences, Indian Institute of Technology Delhi New Delhi.
15.	2015	6 th World Congress on Biotechnology, October 05-07, 2015, New Delhi.
16.	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.
17.	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
18.	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.

19.	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.
20.	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
21.	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
22.	2016	DeMon2016 Workshop, 4-7 May 2016 at Henan University, Zhengzhou, China.
23.	2017	International Conference on “Structure and Dynamics of Biomolecules” during January 27-28, 2017 at DDU, Gorakhpur.
24.	2017	9 th National Symposium cum Workshop – SBCADD’2017, Feb 14-17, 2017, Department of Bioinformatics, Alagappa University, Karaikudi- 630004.
25.	2017	National Seminar on Biotechnology in Health Care: Challenges and Opportunities organized by the Department of Biotechnology, Jamia Hamdard on March 18-19, 2017.
26.	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.
27.	2017	4 th International Conference on Emerging Trends in Protein Science & Proteomics: GenoPro2017 organized by the Invertis University, Bareilly.
28.	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.
29.	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
30.	2018	International Conference on Bioinformatics organized by Jawaharlal Nehru University, New Delhi on 26-28 September 2018.
31.	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
32.	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.
33.	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.
34.	2019	Recent Advancements in Biochemical Engineering and Biotechnology organized by School of Biochemical Engineering, IIT (BHU) Varanasi during 15-16 March 2019.
35.	2019	National Conference on “Emerging Trends in Disease Model Systems” during March 25-26, 2019 organized by National Centre for Cell Science, Pune.
36.	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.
37.	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.
38.	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.

39.	2019	National Conference on Insect-Plant Biology in 21 st Century” held on November 4-5, 2019 at Deshbandhu College, Delhi University
40.	2019	Seminar on drug design and discovery organized by the Department of Biotechnology, PGDAV College, Muzaffarnagar on 8 th November 2019.
41.	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.
42.	2019	National Conference on Translational Research Current and Future Perspectives Gautam Buddha University, Greater Noida on 16-17 th November 2019.
43.	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
44.	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.
45.	2020	Virtual conference The World After- From Things to life organized by Dassault Systèmes, USA.
46.	2020	Coronavirus Pandemic and its Impact on Human Life organized by Department of Life Sciences, Central University of Karnataka, Kalaburagi 585311, Karnataka, INDIA
47.	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.
48.	2020	Refresher Course in “Life Sciences” organized by UGC-HRDC, MANUU on 19 th September 2020.
49.	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.
50.	2020	Bio-Illumination: Talk 9 scheduled on 31 st October 2020 at Department of Biological Sciences, Aliah University, Kolkata.
51.	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.
52.	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.
53.	2020	International Bioinformatics E-Workshop organized by Department of Biotechnology Delhi Technological University on 18.12.2020.
54.	2020	Seminar on structure-based drug design and discovery organized by Government Degree College, Baramula.
55.	2021	UGC-Human Resource Development Centre, Jamia Millia Islamia, “Interdisciplinary Research” in the online 3 rd One Month Faculty Induction Programme. 25.02.2021
56.	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.
57.	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.
N	Member of Editorial Board	
	Journal of Biomolecular Structure and Dynamics (Associate Editor, Since 2020)	

	Journal of Protein and Proteomics (Associate Editor, Since 2018)		
	Scientific Reports (Editor)		
	PloS-ONE (Academic Editor)		
	Frontiers in Molecular Biosciences(<i>Guest Editor</i>)		
	Frontiers in Biosciences (<i>Guest Editor</i>)		
	Current Topics in Medicinal Chemistry (<i>Guest Editor</i>)		
	Biology, Engineering, Medicine and Science Reports (Editor)		
	J Natural Science Biology and Medicine (Editor)		
O	Research Projects and Grants		
i.	Folding and Stability of Naturally Truncated Photosynthetic Pigment, C-Phycocerythrin 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 (13.75 L)	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	Ongoing
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	Ongoing
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)	AYUSH	Ongoing
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	Ongoing
xiii.	Structure-based Design and Development of Selective	ICMR	Ongoing

	Sphingosine Kinase 1 Inhibitors to Combat Idiopathic Pulmonary Fibrosis (36.45 L)		
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	Ongoing
xviii.	Development of Pim-1 Kinase-Specific Inhibitors as Preclinical Lead for the Prostate Cancer Therapy (42.60 L)	CSIR	Ongoing
xix.	Design and development of SARS-CoV-2 main Protease Inhibitors	ISTI-CP China	Ongoing
P	PUBLICATIONS		
	2021		I.F.
333	Asrani P, Mathew E, Hassan MI and Sohal SS (2021) Implications of second wave of COVID-19 outbreak in India: perception and future strategies. The Lancet Respiratory Medicine. (In Press)	25.1	
322	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.	10.68	
331	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. (In Press)	11.62	
330	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, Medicinal Chemistry Research (In Press)	1.8	
329	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. J Biomol Struct Dyn. (In Press)	3.1	
328	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. OMICS: A Journal of Integrative Biology (In Press)	2.7	
327	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. American Journal of Physiology-Endocrinology and Metabolism. (In Press)	3.99	
326	Umair M, Khan S, Mohammad T, Anjum F, Shafie A, Islam A, Hassan MI (2021) Impact of single amino acid substitution on the structure and function of TANK-binding kinase-1. J Cell Biochem (In Press)	4.2	
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	4.2	

	for therapeutic management of cancer and neurodegenerative diseases. J Cell Biochem. doi: 10.1002/jcb.30022. PMID: 34121218.	
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.	5.11
323	Singh A, Panwar R, Mittal P, Hassan MI and Singh IK (2021) Plant Cytochrome P450s: role in stress tolerance and potential applications for human welfare. Int J Biol Macromol. (In press)	5.11
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. doi: 10.1007/s00432-021-03669-5.	3.4
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. doi: 10.1002/ardp.202100080. PMID: 34128259.	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.	5.1
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.	3.2
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.	3.1
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.	4.2
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; 1- 14. https://doi.org/10.1002/jcb.29921	4.2
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.	3.1
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.	2.9
313	Gupta, P.; Taiyab, A.; Hussain, A.; Alajmi, M.F.; Islam, A.; Hassan, M.I. Targeting Sphingosine Kinase/Sphingosine-1-Phosphate Signaling Axis in Drug Discovery for Cancer Therapy. Cancers 2021, 13 (In Press)	6.5
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. https://doi.org/10.1016/j.ijbiomac.2021.04.011	5.11
311	Shamsi A, Mohammad T, Anwar S, Amani S, Khan MS, Husain FM, Rehman MT,	5.11

	Islam A, Hassan MI. Potential drug targets of SARS-CoV-2: From genomics to therapeutics. <i>Int J Biol Macromol</i> . 2021 Feb 9;177:1-9.	
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. <i>Mol Cell Biochem</i> . 2021 Mar 9. doi: 10.1007/s11010-021-04120-6.	2.7
309	Nasreen K, Parray ZA, Shamsi A, Ahmad F, Ahmed A, Malik A, Lakhrm NA, Hassan MI, Islam A. Crowding Milleu stabilizes apo-myoglobin against chemical-induced denaturation: Dominance of hardcore repulsions in the heme devoid protein. <i>Int J Biol Macromol</i> . 2021 Mar 17;181:552-560.	5.11
308	Verma P, Hassan MI, Singh A, Singh IK. Design and development of novel inhibitors of aldo-ketoreductase 1C1 as potential lead molecules in treatment of breast cancer. <i>Mol Cell Biochem</i> . 2021 Mar 26. doi: 10.1007/s11010-021-04134-0.	2.7
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. <i>ACS Omega</i> . 2021 Mar 8;6(11):7910-7921.	2.8
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. <i>ACS Omega</i> . 2021 Mar 11;6(11):7922-7930.	2.8
305	Bashir S, Ahanger IA, Shamsi A, Alajmi MF, Hussain A, Choudhry H, Ahmad F, Hassan MI, Islam A. Trehalose Restrains the Fibril Load towards α -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> . 2021 Mar 11;11(3):414.	4.5
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)	3.1
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.	4.2
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.	4.2
301	Ahanger IA, Bashir S, Parray ZA, Alajmi MF, Hussain A, Ahmad F, Hassan MI, Islam A, Sharma A. Rationalizing the Role of Monosodium Glutamate in the Protein Aggregation Through Biophysical Approaches: Potential Impact on Neurodegeneration. <i>Front Neurosci</i> . 2021 Mar 4;15:636454.	3.7
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 2O_3 /bentonite nanocomposite in dye removal: revisiting the insights of adsorption mechanism, <i>Applied Nanoscience</i> . (In Press)	2.88
299	Ahanger IA, Parray ZA, Nasreen K, Ahmad F, Hassan MI, Islam A, Sharma A. (2021) Heparin Accelerates the Protein Aggregation via the Downhill	2.6

	Polymerization Mechanism: Multi-Spectroscopic Studies to Delineate the Implications on Proteinopathies. ACS Omega. 6(3):2328-2339.	
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. Saudi J Biol Sci. doi: 10.1016/j.sjbs.2021.01.040.	2.6
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	2	Naqvi AAT and Hassan MI (2016) Design Principles, Network Architecture and Their Analysis Strategies as Applied to Biological Systems. Chapter 3. <i>Systems Biology Application in Synthetic Biology</i> , 978-81-322-2807-3. Published by Springer
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	7	Mohammad T and Hassan MI (2018) Modern Approaches in Synthetic Biology: Genome Editing, Quorum Sensing, and Microbiome Engineering. In: Singh S. (eds) <i>Synthetic Biology</i> . Springer, Singapore. ISBN No. 978-981-10-8692-2
	8	Mohammad T, Hassan MI (2018) Genome Microbiology for Synthetic Applications. In: Singh S. (eds) <i>Synthetic Biology</i> . Springer, Singapore. ISBN No. 978-981-10-8692-2
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	10	Dahiya R, Mohammad T and Hassan MI (2020) Genome Engineering Tools in Immunotherapy in the Book titled; <i>Systems and Synthetic Immunology</i> , Singapore. ISBN No. 978-981-15-3349-5
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	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 <i>Advances in Biology</i> 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: <i>Advances in Protein Chemistry and Structural Biology</i> , Academic Press, 2020.
R	Abstract Published in Conferences	

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.		
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)	

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