

## List of selected abstracts in National Conference on Protein Structure and Dynamics in Health and Agriculture

S. No.	Name	Title of Abstract
1.	Aamir Raina	Effect of Gamma Rays on Vigna unguiculata and Detection of DNA Polymorphism through SSR Marker
2.	Abdullah Naiyer	Molten Globule conformation of L94G mutant of horse Cytochrome-c
3.	Abu Hamza	Biophysical Characterization of Cytochrome c in the Presence of PEG 10,000
4.	Afreen Naseem	Molecular dynamic simulation analysis of novel mutations identified in PTEN among North Indian cervical cancer patients
5.	Aftab Alam	Drug Repurposing Concept for FDA Approved Drugs against Anti-Alzheimer drug targets: Virtual Screening, Docking and Dynamics Study
6.	Ahmad Abu Turab Naqvi	Understanding the role of transcription factors associated with Pancreatic Cancer
7.	Ahmad Ali	Acesulfame Potassium inhibits the formation of AGEs and glycation induced aggregation
8.	Ahmad Fazliat	Proteomic, metabolomic and hormonal aspects of polycystic ovarian syndrome: An insight into the systematic analysis of PCOS-associated biomarkers
9.	Ahsan Khan	In-silico and In-vitro Evaluation Of GABAergic Effect Of Synthesized 1,2,4- Triazine Derivatives As a Potential Candidate for Treatment Of Epilepsy
10.	Aklank Jain	DHX9 Helicase suppress genome instability at non-B DNA structures sites in Human Cells
11.	Altaf Ahmad	Differential Expression Pattern of Proteins in Response to Elevated CO <sub>2</sub> and Low Nitrogen in Wheat
12.	Amresh Praksh	Multistage Unfolding Study of RRM1 domain of TDP-43
13.	Amrita Dawn	3) With Its Receptors: A Biophysical Perspective $\beta$ Interaction of Transforming Growth Factor Beta 3 (TGF
14.	Anam Beg	High throughput screening (HTS) of CAMK4 to identify drug candidates using molecular docking approach
15.	Aneesh Chandran	Exploring conformational landscape in pregnane X receptor Insight into rational drug design
16.	Animesh Sarker	Successful Refolding of Dengue Virus Specific Single Chain Variable Fragment Antibody (scFv)
17.	Ankit Singh	Genome-wide identification of AP2/ERF protein family in Oryza sativa L. Indica and their drought inducibility
18.	Ankita Dutta	Structural insight into the metal-ion mediated modulation of the catalytic function of H. pylori arginase
19.	Ankita Leekha	Induction of apoptosis in cisplatin-resistant ovarian cancer cell line by pre-treatment with Vitamin C followed by combinatorial therapy
20.	Annu Kalra	Synthesis and biological evaluation of sulfonamides bearing bis- thiosemicarbazones as potential antiprotozoal candidates
21.	Apurba Kumar Sau	Arginase of Helicobacter gastric pathogens uses a unique set non-catalytic residues for catalysis
22.	Archana Singh	In silico prediction of active site of Pathogenesis Related-4 protein from Cicer arietinum displaying RNase and DNase activities
23.	Arfa Queen	Evaluation of Phytochemicals as Prospective Inhibitors of Human Carbonic Anhydrase V
24.	Arpita Rai	Proteomics of oral potentially malignant and malignant disorders: An update
25.	Arshi Islam	Variations in Climatic Factors and their Association with Dynamics of Dengue Virus Transmission
26.	Arun Shukla	Structure, function and modulation of G Protein-Coupled Receptors
27.	Ashish Thapliyal	Role of N-terminal of Dexas-1 in modulation of N-type Calcium channel, Cav2.2: Structure function relationship
28.	Ayesha Sadaf	The prospective of ionic liquids for the inhibition of Bacillus cereus EMB20 producing $\beta$ -lactamase and its cells
29.	Bhavnita Soni	SYSTEMS STUDIES UNVEIL ROLE OF IL6 IN MACROPHAGE POLARIZATION DURING Leishmania major INFECTION
30.	Bichitra K Biswal	Structural and biochemical studies of Mycobacterium tuberculosis histidine biosynthesis pathway enzymes
31.	Bijay Kumar	Plasmodium falciparum SUFs system as a promising drug target against cerebral malaria
32.	Bushra Khan	Anti-oxidant, Anti-inflammatory and In silico studies of newly synthesized Hydrazone Derivatives of Triazole
33.	Chetna Dhembla	Structural and Biochemical Characterization of 4' Phosphopantetheinyl transferase of Leishmania major to Facilitate Therapeutic Application against Leishmaniasis

34.	Danish Idreesh	Design and synthesis of sulfonylurea derivatives as carbonic anhydrase II
35.	Debasish Bhattacharyya	Peptides of Bromelain from Pineapple ( <i>Ananascomosus</i> ): Potent destabilizing agent of protein aggregates
36.	Deepak T Nair	Mechanism of toroid formation around DNA by the Mismatch Sensor protein
37.	Deepali Gupta	Folding and unfolding studies of DNA Gyrase B subunit from <i>Salmonella enterica</i> serovar Typhi
38.	Dhakaram Pangeeni Sharma,	Understanding of an essential interaction between DnaG and DnaB in eubacteria
39.	Divya Joshi	Evaluate the structure basis of TRAF 6 binding to TRAM, MAL, TRIF AND ATM
40.	Dr Pankaj Prabhakar	Characterization of indigenous medicinal plants against dopamine beta- hydroxylase to combat hypertension and cardiac hypertrophy using computational, biochemical, and biophysical Methods
41.	Dr Vinay Kumar Singh	Synergetic impact of DOTS in pulmonary tuberculosis patients and Hepatoprotective action of <i>Allium sativum</i>
42.	Dr. Nafis Ahmad	Detection of diagnostic proteins and various biomarkers in the saliva for oral and systemic diseases: a Review
43.	Farha Naz	Biophysical and functional studies of prokaryotic cytokinesis protein FtsZ from <i>Salmonella enterica</i> serovar Typhi
44.	Farheen Naz	Spectroscopic studies of fungal lipase and eugenol interaction
45.	Farkhunda Mahjabeen	Sequence and structure analysis of inositol 1,4,5 Triphosphate 3-kinase A
46.	Fateh S Nandel	Non Planar Peptide Bond?
47.	Fayyaz Rasool	RECENT STRATIGIES AGAINST LEISHMANIASIS, NANOMEDICINE: OFFERING HOPE
48.	Garima Verma	Pyrimidine favored recognition by RRM1 of PfSR1 protein involved in alternate splicing in <i>Plasmodium falciparum</i>
49.	Gaurav Kumar	Targetting Cytochrome B5 Reductase3 to counter hypertension
50.	Gurumayum Suraj Sharma	On the Early and Late Conformational Alterations in Cytochrome c upon Modification via Glycation
51.	Gururao Hariprasad	Evaluation of serum apolipoprotein E as a potential biomarker for pharmacological therapeutic efficacy monitoring in dopamine dictated disease spectrum of schizophrenia and Parkinson's disease
52.	Hamidur Rahaman	Oxidation of Prdx6 at Cys-47 induces changes in its Conformation and Oligomer state
53.	Haripriya Sharma	Pyruvate Dehydrogenase Kinase as potential drug target: Structural and functional view
54.	Indrakant K. Singh	Structural and Functional characterization of <i>Helicoverpa</i> -inducible Thioredoxin h from <i>Cicer arietinum</i>
55.	Ipsita Roy	Intramers for therapeutic intervention in protein misfolding diseases
56.	Irengbam Rocky Mangangcha	<i>Mycobacterium tuberculosis</i> stress induced proteins as drug targets against tuberculosis
57.	Jasdeep Singh	<i>Leishmania donovani</i> L-asparaginase: Role in Amphotericin B resistance and nitrogen metabolism
58.	Jaspreet Kaur	Synthesis and Enzymatic Biotransformations of a New Series of 4-aryl- 1, 4- Dihydropyridines For Production of its Pharmacologically Important Stereo Selective Enantiomers.
59.	Kailas D. Sonawane	Antibiotic resistance of novel aminoglycoside phosphotransferase and related enzymes
60.	Kakoli Bose	Structural insights into mode of activation of serine protease HtrA2 through a dual regulatory switch
61.	Kalpana	PREDICTION OF PUTATIVE PROTEIN INTERACTION BETWEEN ZIKA VIRUS AND ITS HOSTS USING COMPUTATIONAL TECHNIQUE
62.	KANAGARETHINAM S	Anomalistic Implications of Protein Tyrosine Phosphatases: Need of Small Molecule Inhibitors Targeting PTPs in Human Diseases
63.	Khalid P	Electrospun Nanostructured Scaffold of Carbon Nanotubes and Hydroxyapatite Composite for Bone Tissue Engineering
64.	Khalida Nasreen	Effect of macromolecular crowding on the structure and stability of apomyoglobin
65.	Kiran Kumar Pannuru	The role of concentration and anion effect of imidazolium-based Ionic Liquids on the structure and stability of stem bromelain
66.	Krishna Mohan Poluri	Evolution-Structure- function relationship of GRO Chemokines
67.	Krishnakant Gangele	Dissecting the Stability Attenuation Characteristics of Hen Egg Lysozyme upon Charge Transfer Complex Formation

68.	Krishnananda Chattopadhyay	PROTEIN CONFORMATION, DYNAMICS AND AGGREGATION: ONE MOLECULE AT A TIME
69.	Lubna Maryam	Doripenem induced increased efficacy of cefotaxime against CTX-M-15 producing bacterial strain: microbiological and biophysical views
70.	Lukman Ali	The Sugarcane defense protein SUGARWIN2 causes cell death in <i>Collectotrichum falcatum</i> , thus preventing "cancer" of sugarcane
71.	Madhulata Kumari	Identification of novel multi-target inhibitors against bacterial peptidoglycan biosynthesis enzymes by structure-based virtual screening of antituberculosis agents from ChEMBL and FDA approved drugs.
72.	Mahesh Narayan	A $\beta$ , a risk factor for Parkinson's pathogenesis: Mechanisms and prevention
73.	Malik Hisamuddin	Expression and Purification of E1-protein of Chikungunya virus and generation of polyclonal antibody in BALB/c mice
74.	Manali Datta	Electro-interaction mediated Lab on chip platform for detection of kidney malfunction
75.	Mandeep Singh	Structural and functional analysis of human BMP-2 kinase
76.	Manisha Saini	A Natural Remedy: Plants extracts to curb Hypertension
77.	Manoj Kumar	Identification of inhibitors of Aurora kinases for development of new anticancer agents
78.	Manoj Prasad	Role of epigenetics and Proteasomal pathway gene(s) in combating virus infection in plants
79.	Md. Abrar Siddiquee	Effect of Levofloxacin on the Surface Properties of Imidazolium Based Ionic Liquid
80.	Md. Zafaryab	In vitro Anticancer and Apoptotic Potential of Thymol on Human Cancer Cells
81.	Mohammad Islamuddin	TLR3 and RIG-I Agonist Adjuvant Enhances the Immunogenicity and Protective Efficacy of the recombinant E2 protein-based vaccines against Chikungunya virus
82.	Mohd Amir	Isolation and purification of MIS12 homolog from <i>Acorus calamus</i>
83.	Mohd Younus Bhat	Osmolyte induced functional loss in an intrinsically disordered protein
84.	Mohd Yousuf	Identification and Biological Evaluation of Natural Compounds as CDK-6 inhibitor
85.	Mohd. Asim Khan	Thermoglobins, a novel model system for further insight into hemoglobin folding and stability
86.	Monira	Riboflavin kinase: structure and sequence similarity, activity in many living organisms, use of many tools for the prediction of its structural activities and homology modelling for structural activity
87.	Muneera Mashkoor	Structural and Functional Analysis of Sphingosine Kinase 1
88.	Nabeel Ali	Determination of Structural Conformation and Stability of CBRLK2 protein purified from medicinal plant, <i>Oroxylum indicum</i>
89.	Nabeela Khan	Structural and Functional Analysis of Human Bruton Tyrosine-Protein Kinase
90.	Naira Rashid	Quantification of nano particle influencing stability of aggregation prone proteins.
91.	Narender Kumar	Progression Dynamics of Zika Virus Infection using Temperature and Rainfall Dependent Mathematical Model
92.	Nashra Sharif Khan	Evaluation of Thienopyrimidine Based Chalcones as FASTK Inhibitor: Strategy to Combate Breast Cancer
93.	Neeraj Dohare	Interaction of Diclofenac with Human Hemoglobin: An Experimental and Computational Approach
94.	Neetu Singh	Understanding the role of steric hindrance in RNAi mechanism for nanoparticle mediated siRNA delivery
95.	Neha Maurya	Unraveling the Binding Nature of Cationic Amphiphilic Drugs with Human Hemoglobin: a comparative study
96.	Neha Soleja	Designing and Construction of FRET-based mercury nanosensor
97.	Nidhee Chaudhary	Culinary Spices and Herbs as Potential Source of Thermostable Superoxide Dismutase: A Therapeutically Significant Enzyme
98.	Nikunj Harilal Raninga	Effect of interdomain interactions on the stability of two closely homologous proteins hGBP-1 and -2
99.	Nisha Chaudhary	Targeting Matrix Metalloproteinases (MMPs): A Therapeutics Approach for Cancer Metastasis
100.	Nitesh Kumar Poddar	Serine Proteases and Inhibitors in Cancer
101.	Ovais Manzoor	Development of a FRET based nanosensor for measurement of vitamin B1 levels in living cells
102.	Padmanabhan B	Rational drug discovery of the human Superoxide Dismutase I (hSOD1) modulators: A potential therapeutic target for ALS
103.	Parvej Khan	In-Vitro Model to Study Hepcidin Expression in Mammalian Cells: The Molecular Mechanism of Hepcidin Expression

104.	Pooja Yadav	Crystal structure and active site regulation of a novel POP enzyme from <i>Deinococcus radiodurans</i> R1
105.	Pragya Tiwari	Evaluation of Docking Programs to Predict the Binding Mode of Small Peptide Ligands
106.	PRAGYAN PARIMITA RATH	Identification of Actin binding proteins in <i>Entamoeba histolytica</i> proteome using bioinformatics tools
107.	Pratuyasha Dutta	Development of ELISA for Medroxyprogesterone acetate using antigen plus bridge heterology
108.	Preeti patidar	Antinutritional property of a protease inhibitor from <i>Cyamopsis tetragonoloba</i>
109.	Preeti Umarao	Cloning, Overexpression, and Crystallization of interacting protein of Myosin 1B from <i>Entamoeba Histolytica</i>
110.	Priyank Singhvi	Recovery of bioactive protein from inclusion bodies using mild solubilisation agent
111.	Priyanka Sinha	Phylogeny and homologous recombination analysis of complete genome sequences of Chikungunya virus
112.	Pushpanjali Dasauni	A Novel Method for Identification of Hemoglobin Variants by Modified Sample Preparation combined with Hemoglobin variant database
113.	Qayyum Husain	Graphene-based nanocomposite as novel scaffolds for the construction of high yield and robust enzymes
114.	R V Hosur	NMR Methodological Advances for Protein Research
115.	Rafat Ali	Mycobacterium Tuberculosis: Genome Analysis to Therapeutics Study
116.	Rajan Patel	Characterization of Weak Forces Involved in Protein–Ligand Binding
117.	Rajesh K Pathak	Defense inducers with potential to protect Brassica crops from necrotrophic fungal pathogens
118.	Rana Noor	Protein Misfolding and Human Diseases
119.	Richa Agrawal	Recognition of L-Pyroglutamate by crystal structure complex with pyro- glutamyl peptidase I reveals substrate binding mechanism
120.	Richa Sharma	Effect of tumor derived factor on Natural Killer cells
121.	Rimpy Kaur Chowhan	Suppression of thermal aggregation of a moonlighting protein, Peroxiredoxin6 by Polyamines
122.	Ritesh Kumar	Analysis of the variations in amino acid sequence of Hsp100 proteins in diverse genotypes of rice ( <i>Oryza sativa</i> L.)
123.	Ritika Kabra	Miltefosine resistance reversal in <i>Leishmania major</i> by a synthetic peptide.
124.	Rizwana Mallick	BONE MORPHOGENETIC PROTEINS IN DENTISTRY
125.	Rohini Muthuswami	REC A-LIKE DOMAIN 2 OF ACTIVE DNA-DEPENDENT ATPASE A DOMAIN, A SWI2/SNF2 PROTEIN, IS REQUIRED FOR BOTH LIGAND BINDING AND ATP HYDROLYSIS
126.	Rohit Shukla	Distant Leu418 mutation compromises the activity of <i>Mycobacterium tuberculosis</i> isocitrate lyase by modulating its structural flexibility and interaction dynamics
127.	S Gourinath	New Insights into cysteine biosynthetic pathway enzymes of <i>E. histolytica</i>
128.	S. Aravamudhan	PROTON TRANSFER MECHANISMS, DIPOLE MOMENT INDICATORS AND QM CALCULATIONS ON TRENDS IN CHANGES OF PROTON NMR CHEMICAL SHIFTS
129.	Saba Hasan	Biological synthesis and characterization of Gold nanoparticles of entomopathogenic fungi
130.	Saba Parveen	Middle East Respiratory Syndrome-Coronavirus (MERS-CoV): from Genome to Vaccine
131.	Samima Khatoon	Biophysical and molecular dynamics insight into the interaction of Gallic acid with model transport protein, bovine serum albumin
132.	Samreen Amani	Glycation induced transition of collagen from native to aggregated state
133.	Sandip Karmakar	Conformational modulations of a multi-domain protein during the early stages of aggregation
134.	Sanjeev Kumar Singh	Computational drug discovery: An avenue for targeting the protein-protein interaction between HIV-1 integrase and LEDGF/p75
135.	Sanjeev Kumar Yadav	Stability and regulation of Ligand Binding in GsuHbt
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137.	Sashank Deep	Inhibiting the aggregation of Superoxide Dismutase
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139.	Saurabha Srivastava	Unraveling the folding pathway of human Fas-activated serine/threonine kinase by urea-induced denaturation
140.	Shabina Sachdeva	Role of Proteomics in Dentistry
141.	Shagufta Khan	Insight into the binding mechanism of cholesterol and their derivative with Mce4A protein
142.	Shalini Verma	Characterization and biophysical analysis of Acyl-Co-A binding proteins of Leishmania major
143.	Shamila Fatima	Protective role of flavonoids on antioxidant enzymes in alloxan induced diabetic mice: A therapeutic approach
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147.	Shoyab Ansari	An analysis approach to identify critical residue involve in Neuroserpin inhibition and polymerization
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149.	Siddharth Sagar	IDENTIFICATION AND CHARACTERISATION OF MOONLIGHT PROTEIN FROM Periplaneta spp.
150.	Siddharth Yadav	Molecular modeling, virtual screening and molecular dynamics studies of antimalarial drug targets
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152.	Sofiya Pilli	Generation of Human LINE1 retrotransposon encoded ORF2p antibody and its detection in human tissues
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154.	Sudeepa Rajan	Insight into differential GTPase activity between interferon-gamma induced Human Guanylate Binding Protein-1 and -2
155.	Sudhir Kumar Pal	In silico Structural and dynamical characterization of Probable arabinosyl transferase B (EmbB) mutationsin Mycobacterium tuberculosis
156.	Sudip Majumder	A Single Tryptophan(W) Residue Modulates the Stability, Packing and Folding of Kunitz (STI) Family of Inhibitors
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159.	Sunayana Begum Syed	The structural basis of urea-induced protein unfolding of Integrin-linked kinase
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162.	Taj Mohammad	Virtual high-throughput screening for potential Inhibitors of Microtubule affinity-regulating kinase- 4
163.	Tanmay Dutta	How Escherichia coli RNase Z acts as a dual function ribonuclease
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165.	Tauhid Hasan	Role of Calcium ion in Modulating the functional activity of Sin3, a co-repressor
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170.	Venkata Narayana Are	Crystal structure and biochemical characterization of a novel prolidase from Deinococcus radiodurans R1
171.	Vikash Kumar Dubey	Turning ideas into drug candidates for Leishmaniasis
172.	Virendra Kumar Yadav	Green synthesis of maghemite nanoparticles and their application as an adsorbent for the removalof selected heavy metals (Pb, Cd) from fly ash
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174.	Wahiduzzaman	Stabilization and counteraction of denaturing effect of urea on structure and stability of Human carbonic anhydrase II (HCAII) by mammalian kidney osmolytes

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