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How a protein can remain stable in a solvent with high content of urea: insights from molecular dynamics simulation of *Candida antarctica* lipase B in urea : choline chloride deep eutectic solvent

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#	Paper	IF	Citations
159	Thermodynamic and Transport Properties Modeling of Deep Eutectic Solvents: A Review on gEModels, Equations of State, and Molecular Dynamics.		
158	Effect of water on the thermo-physical properties of Reline: An experimental and molecular simulation based approach. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23900-7	3.6	198
157	Enzymatic selective synthesis of 1,3-DAG based on deep eutectic solvent acting as substrate and solvent. 2015 , 38, 2053-61		43
156	Theoretical evidence of charge transfer interaction between SO ₂ and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28729-42	3.6	61
155	Ecotoxicity of Cholinium-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3398-3404	8.3	83
154	Cholinium-based deep eutectic solvents and ionic liquids for lipase-catalyzed synthesis of butyl acetate. 2015 , 122, 188-198		52
153	Native lipase dissolved in hydrophilic green solvents: A versatile 2-phase reaction system for high yield ester synthesis. 2015 , 117, 167-177		17
152	Deep Eutectic Solvents for Organocatalysis, Biotransformations, and Multistep Organocatalyst/Enzyme Combinations. 2016 , 8, 1020-1027		106
151	Nanoscale Spatial Heterogeneity in Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 6712-20	3.4	96
150	Biocatalysis and Biomass Conversion in Alternative Reaction Media. 2016 , 22, 12984-99		117
149	Investigation of structural stability and enzymatic activity of glucose oxidase and its subunits. 2016 , 134, 16-24		19
148	A combination of natural deep eutectic solvents and microflow technology: a sustainable innovation for the tandem synthesis of 3-aminohexahydrocoumarins. <i>Green Chemistry</i> , 2016 , 18, 6450-6455	10	16
147	Chemical modification of biocatalyst for function in supercritical CO ₂ : In silico redesign of stable lipase. 2016 , 117, 147-163		14
146	Liquid structure of the choline chloride-urea deep eutectic solvent (reline) from neutron diffraction and atomistic modelling. <i>Green Chemistry</i> , 2016 , 18, 2736-2744	10	292
145	Toxicity profile of choline chloride-based deep eutectic solvents for fungi and <i>Cyprinus carpio</i> fish. 2016 , 23, 7648-59		86
144	Synergistic behavior of betaine-urea mixture: Formation of deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2016 , 219, 74-78	6	25
143	Enzyme-mediated free radical polymerization of acrylamide in deep eutectic solvents. 2016 , 6, 13072-13079		34

142	Whole-Cell Biocatalytic Processes with Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 371-386	8.3	57
141	From green chemistry to nature: The versatile role of low transition temperature mixtures. 2016 , 120, 119-23		81
140	Adsorption and immobilisation of human insulin on graphene monoxide, silicon carbide and boron nitride nanosheets investigated by molecular dynamics simulation. 2017 , 43, 298-311		6
139	Structural analyses combined with small-angle X-ray scattering reveals that the retention of heme is critical for maintaining the structure of horseradish peroxidase under denaturing conditions. 2017 , 49, 715-723		3
138	Deep eutectic solvent formation: a structural view using molecular dynamics simulations with classical force fields. 2017 , 115, 1309-1321		57
137	Computational perspectives on structure, dynamics, gas sorption, and bio-interactions in deep eutectic solvents. 2017 , 448, 50-58		22
136	Applications of deep eutectic solvents in biotechnology and bioengineering-Promises and challenges. 2017 , 35, 105-134		239
135	Inelastic neutron scattering study of reline: shedding light on the hydrogen bonding network of deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17998-18009	3.6	89
134	An Overview on the Enhancement of Enantioselectivity and Stability of Microbial Epoxide Hydrolases. 2017 , 59, 98-116		33
133	Protein conformation in pure and hydrated deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8667-8670	3.6	64
132	Recent progress on deep eutectic solvents in biocatalysis. 2017 , 4, 34		161
131	High Yield Protein Extraction from Brewer's Spent Grain with Novel Carboxylate Salt - Urea Aqueous Deep Eutectic Solvents. 2017 , 2, 9355-9363		21
130	How Do Animals Survive Extreme Temperature Amplitudes? The Role of Natural Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9542-9553	8.3	44
129	Functional Enzymes in Nonaqueous Environment: The Case of Photosynthetic Reaction Centers in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7768-7776	8.3	39
128	Ionic Liquids as Tool to Improve Enzymatic Organic Synthesis. 2017 , 117, 10567-10607		226
127	Ammonium based stabilizers effectively counteract urea-induced denaturation in a small protein: insights from molecular dynamics simulations. 2017 , 7, 52888-52906		15
126	Pure and aqueous deep eutectic solvents for a lipase-catalysed hydrolysis reaction. <i>Biochemical Engineering Journal</i> , 2017 , 117, 129-138	4.2	44
125	A terminal antibody method based on multiple factors that influence ELISA results for measurement of antibody affinity in clinical specimens. 2017 , 240, 42-48		3

124	The effect of deep eutectic solvents on catalytic function and structure of bovine liver catalase. 2017 , 95, 115-120		37
123	Rational design of DKK3 structure-based small peptides as antagonists of Wnt signaling pathway and in silico evaluation of their efficiency. 2017 , 12, e0172217		11
122	Exploring the differences and similarities between urea and thermally driven denaturation of bovine serum albumin: intermolecular forces and solvation preferences. 2018 , 24, 75		15
121	The opposing effect of urea and high pressure on the conformation of the protein β hairpin: A molecular dynamics simulation study. <i>Journal of Molecular Liquids</i> , 2018 , 251, 378-384	6	2
120	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. 2018 , 78, 139-153		123
119	Role of Biocatalysis in Sustainable Chemistry. 2018 , 118, 801-838		77 ^o
118	Intensification of biotransformations using deep eutectic solvents: Overview and outlook. <i>Process Biochemistry</i> , 2018 , 66, 33-60	4.8	55
117	Improvement of versatile peroxidase activity and stability by a cholinium-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2018 , 272, 597-608	6	16
116	Deep Eutectic Solvents as a New Generation of Chemical Chaperones. 2018 , 3, 10603-10607		4
115	Natural deep eutectic systems as alternative nontoxic cryoprotective agents. 2018 , 83, 15-26		51
114	Improving β glucosidase biocatalysis with deep eutectic solvents based on choline chloride. <i>Biochemical Engineering Journal</i> , 2018 , 138, 37-46	4.2	33
113	Photophysical Behavior and Fluorescence Quenching of L-Tryptophan in Choline Chloride-Based Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 7578-7587	3.4	9
112	Intermolecular interactions and solvation effects of dimethylsulfoxide on type III deep eutectic solvents. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 17200-17208	3.6	16
111	Green process to regenerate keratin from feathers with an aqueous deep eutectic solvent.. 2019 , 9, 19720-19728		28
110	Diastereodivergent Asymmetric 1,3-Dipolar Cycloaddition of Azomethine Ylides and β Fluoroalkyl Vinylsulfones: Low Copper(II) Catalyst Loading and Theoretical Studies. 2019 , 58, 16637-16643		21
109	Clinical study on music intervention in the extraction of mandibular impacted third molar. 2019 , 30, 89-89		
108	Influence of Betaine- and Choline-based Eutectic Solvents on Lipase Activity. 2019 , 5, 57-68		2
107	Purification and characterization of a thermoalkaliphilic esterase from <i>Bacillus cereus</i> WZZ006 for enantioselective resolution of indoxacarb intermediate. 2019 , 140, 358-367		4

106	Evaluation of Versatile Peroxidase Activity and Conformation in the Presence of a Hydrated Urea Based Deep Eutectic Solvent. 2019 , 48, 689-701		3
105	Activation and stabilization of <i>Candida antarctica</i> lipase B in choline chloride-glycerol-water binary system via tailoring the hydrogen-bonding interaction. 2019 , 136, 1086-1095		11
104	Use of deep eutectic solvents in the enzyme catalysed production of ethyl lactate. <i>Process Biochemistry</i> , 2019 , 84, 53-59	4.8	9
103	Biocatalytic synthesis of panthenyl monoacyl esters in ionic liquids and deep eutectic solvents. <i>Green Chemistry</i> , 2019 , 21, 3353-3361	10	17
102	Deep eutectic solvents: An overview on their interactions with water and biochemical compounds. <i>Journal of Molecular Liquids</i> , 2019 , 288, 111028	6	89
101	Effects of cholinium-based ionic liquids on <i>Aspergillus niger</i> lipase: Stabilizers or inhibitors. 2019 , 35, e2838		10
100	Structure and characterization of <i>Aspergillus fumigatus</i> lipase B with a unique, oversized regulatory subdomain. 2019 , 286, 2366-2380		5
99	Identification and Evaluation of Inhibitors of Lipase from using Virtual High-Throughput Screening and Molecular Dynamics Studies. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	42
98	Enzyme Catalysis: In DES, with DES, and in the Presence of DES. 2019 , 257-271		4
97	. 2019 ,		21
96	Nanostructure of the deep eutectic solvent/platinum electrode interface as a function of potential and water content. 2019 , 4, 158-168		49
95	Synthesis of functional ionic liquid modified magnetic chitosan nanoparticles for porcine pancreatic lipase immobilization. 2019 , 96, 356-364		43
94	Dihydrogen-bonding deep eutectic solvents as reaction media for lipase-catalyzed transesterification. <i>Biochemical Engineering Journal</i> , 2019 , 142, 34-40	4.2	27
93	Molecular mechanism of enzyme tolerance against organic solvents: Insights from molecular dynamics simulation. 2019 , 122, 914-923		26
92	Simulation of protein diffusion: a sensitive probe of protein-solvent interactions. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 1534-1544	3.6	11
91	Identification of new DNA gyrase inhibitors based on bioactive compounds from streptomycetes: structure-based virtual screening and molecular dynamics simulations approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 791-806	3.6	8
90	Thermodynamic and Transport Properties Modeling of Deep Eutectic Solvents: A Review on gE-Models, Equations of State, and Molecular Dynamics. 2020 , 65, 943-967		24
89	How <i>Candida antarctica</i> lipase B can be activated in natural deep eutectic solvents: experimental and molecular dynamics studies. 2020 , 95, 86-93		19

88	Modeling Alcohol Dehydrogenase Catalysis in Deep Eutectic Solvent/Water Mixtures. 2020 , 21, 811-817		20
87	Synergistic Catalytic Synthesis of Gemini Lipoamino Acids Based on Multiple Hydrogen-Bonding Interactions in Natural Deep Eutectic Solvents-Enzyme System. 2020 , 68, 989-997		1
86	Deep eutectic solvents for biocatalytic transformations: focused lipase-catalyzed organic reactions. 2020 , 104, 1481-1496		28
85	Neuroprotective immunity by essential nutrient "Choline" for the prevention of SARS CoV2 infections: An in silico study by molecular dynamics approach. 2020 , 761, 138057		10
84	Less explored plant lipases: Modeling and molecular dynamics simulations of plant lipases in different solvents and temperatures to understand structure-function relationship. 2020 , 164, 3546-3558		9
83	Kinetics and Mechanism of Solvent Influence on the Lipase-Catalyzed 1,3-Diolein Synthesis. 2020 , 5, 24708-24716		
82	The effects of mutation and modification on the structure and stability of human lysozyme: A molecular link between carbamylation and atherosclerosis. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 100, 107703	2.8	2
81	Potential of a Natural Deep Eutectic Solvent, Glyceline, in the Thermal Stability of the Trp-Cage Mini-protein. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 7598-7610	3-4	13
80	A novel amalgamation of deep eutectic solvents and crowders as biocompatible solvent media for enhanced structural and thermal stability of bovine serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24410-24422	3.6	8
79	Lipase and Water in a Deep Eutectic Solvent: Molecular Dynamics and Experimental Studies of the Effects of Water-In-Deep Eutectic Solvents on Lipase Stability. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 8801-8810	3-4	15
78	Highly efficient extraction of mulberry anthocyanins in deep eutectic solvents: Insights of degradation kinetics and stability evaluation. 2020 , 66, 102512		11
77	Modeling the Physicochemical Properties of Natural Deep Eutectic Solvents. 2020 , 13, 3789		30
76	Significant boost in xylose yield and enhanced economic value with one-pot process using deep eutectic solvent for the pretreatment and saccharification of rice straw. 2020 , 152, 112515		12
75	Enzymatic synthesis of 1,3-oleic-2-medium chain triacylglycerols and strategy of controlling acyl migration: insights from experiment and molecular dynamics simulation. 2020 , 23, 1082-1096		2
74	Mechanism of deep eutectic solvents enhancing catalytic function of cytochrome P450 enzymes in biosynthesis and organic synthesis. 2020 , 323, 264-273		4
73	Biocatalytic production of compound K in a deep eutectic solvent based on choline chloride using a substrate fed-batch strategy. 2020 , 305, 123039		4
72	Green Technologies for the Production of Modified Lipids. 2020 , 11, 319-337		5
71	Characterization and Application of an Alginate Lyase, Aly1281 from Marine Bacterium ASY5. 2020 , 18,		22

70	Transesterification in Microreactors-Overstepping Obstacles and Shifting Towards Biodiesel Production on a Microscale. 2020 , 11,			11
69	A grand avenue to integrate deep eutectic solvents into biomass processing. 2020 , 137, 105550			22
68	Electrostatic Manifestation of Micro-Heterogeneous Solvation Structures in Deep-Eutectic Solvents: A Spectroscopic Approach. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 3709-3715	3.4		4
67	Molecular dynamics studies of the protective and destructive effects of sodium dodecyl sulfate in thermal denaturation of hen egg-white lysozyme and bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 1106-1120	3.6		1
66	Proteins in deep eutectic solvents: Structure, dynamics and interactions with the solvent. 2021 , 97, 69-94			1
65	Designing a biocatalytic process involving deep eutectic solvents. 2021 , 96, 14-30			15
64	Supported liquid membranes based on deep eutectic solvents for gas separation processes. 2021 , 254, 117593			30
63	The study and application of biomolecules in deep eutectic solvents. 2021 , 9, 536-566			19
62	Deep Eutectic Solvents: A Review of Fundamentals and Applications. 2021 , 121, 1232-1285			358
61	Natural deep eutectic solvent as a unique solvent for valorisation of orange peel waste by the integrated biorefinery approach. 2021 , 120, 340-350			13
60	Natural deep eutectic solvents: Hypothesis for their possible roles in cellular functions and interaction with membranes and other organized biological systems. 2021 , 133-158			2
59	Functional engineering of OprF-OprI-PopB as a chimeric immunogen and its cross-protective evaluation with GM-CSF against <i>Pseudomonas aeruginosa</i> : A comprehensive immunoinformatics evaluation. <i>Informatics in Medicine Unlocked</i> , 2021 , 25, 100673	5.3		1
58	α-Glucosidase from <i>Streptomyces griseus</i> : Ester hydrolysis and alkyl glucoside synthesis in the presence of Deep Eutectic Solvents. <i>Current Research in Green and Sustainable Chemistry</i> , 2021 , 4, 100129	4.1		4
57	Correlating Bromelain's activity with its structure and active-site dynamics and the medium's physical properties in a hydrated deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 9337-9346	3.6		8
56	Rational design, preparation and characterization of a ternary non-ionic room-temperature deep eutectic solvent derived from urea, acetamide, and sorbitol. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8		4
55	Comparative molecular dynamics simulations identify a salt-sensitive loop responsible for the halotolerant activity of GH5 cellulases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-11	3.6		1
54	Structural Stability and Conformational Dynamics of Cytochrome c in Hydrated Deep Eutectic Solvents. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 5757-5765	3.4		4
53	Enhancing the stability of <i>Geobacillus zalihae</i> T1 lipase in organic solvents and insights into the structural stability of its variants. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 105, 107897	2.8		2

52	Mechanism analysis of extractive distillation for separation of acetic acid and water based on quantum chemical calculation and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021 , 332, 115866	6	6
51	Comparison and Validation of Force Fields for Deep Eutectic Solvents in Combination with Water and Alcohol Dehydrogenase. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 5322-5341	6.4	7
50	Enhancing bio-catalytic performance of lipase immobilized on ionic liquids modified magnetic polydopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 206, 111960	6	7
49	Structural studies of Myceliophthora Thermophila Laccase in the presence of deep eutectic solvents. <i>Enzyme and Microbial Technology</i> , 2021 , 150, 109890	3.8	1
48	Transglycosylation properties of a Kluyveromyces lactis enzyme preparation: Production of tyrosol β-fructoside using free and immobilized enzyme. <i>Process Biochemistry</i> , 2021 , 110, 168-175	4.8	2
47	Advances in deep eutectic solvents and water: applications in metal- and biocatalyzed processes, in the synthesis of APIs, and other biologically active compounds. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2558-2577	3.9	34
46	Microscopic structural features of water in aqueous-reline mixtures of varying compositions. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 3779-3793	3.6	8
45	Effects of water on the solvation and structure of lipase in deep eutectic solvents containing a protein destabilizer and stabilizer. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23372-23379	3.6	0
44	Molecular Mechanism and Extraction Performance Evaluation for Separation of Methanol and n-Hexane via Ionic Liquids as Extractant. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8700-8712	8.3	23
43	Are emerging deep eutectic solvents (DES) relevant for lipase-catalyzed lipophilizations?. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2015 , 22, D408	1.5	7
42	A review of sustainable lignocellulose biorefining applying (natural) deep eutectic solvents (DESS) for separations, catalysis and enzymatic biotransformation processes. <i>Reviews in Chemical Engineering</i> , 2019 ,	5	18
41	Bio-catalysis as a Green Approach for Industrial Waste Treatment. <i>Nanotechnology in the Life Sciences</i> , 2020 , 359-405	1.1	1
40	Bulk and interfacial nanostructure and properties in deep eutectic solvents: Current perspectives and future directions. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2430-2430	9.3	9
39	Deep eutectic solvents microbial toxicity: Current state of art and critical evaluation of testing methods.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127963	12.8	6
38	Influence of natural deep eutectic solvents on stability and structure of cellulase. <i>Journal of Molecular Liquids</i> , 2021 , 118238	6	1
37	How to improve the efficiency of biocatalysis in non-aqueous pure deep eutectic solvents: A case study on the lipase-catalyzed transesterification reaction. <i>Biochemical Engineering Journal</i> , 2022 , 179, 108336	4.2	2
36	Parameters Influencing Lipase-Catalyzed Glycolipid Synthesis by (Trans-)Esterification Reaction. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021 ,	1.7	
35	Impact of deep eutectic solvents (DESS) and individual DES components on alcohol dehydrogenase catalysis: connecting experimental data and molecular dynamics simulations. <i>Green Chemistry</i> , 2022 , 24, 1120-1131	10	5

34	Structural adaptations in the bovine serum albumin protein in archetypal deep eutectic solvent reline and its aqueous mixtures.. <i>Physical Chemistry Chemical Physics</i> , 2022 ,	3.6	0
33	Computer simulation applied to structural analysis and experimental applications of natural deep eutectic solvents. 2022 , 281-297		0
32	Computer Simulations of Deep Eutectic Solvents: Challenges, Solutions, and Perspectives.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
31	MOLECULAR SIMULATIONS OF DEEP EUTECTIC SOLVENTS: A PERSPECTIVE ON STRUCTURE, DYNAMICS, AND PHYSICAL PROPERTIES. <i>Reviews in Computational Chemistry</i> , 2022 , 135-216		1
30	Antioxidant peptides derived from mulberry seed protein by ionic liquid-enhanced microfluidic hydrolysis with immobilized protease. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
29	Molecular mechanism and extraction performance evaluation of diethylene glycol-based DES for extraction desulfurization process of fuel oil. <i>Journal of Molecular Liquids</i> , 2022 , 353, 118785	6	0
28	Truncation of C-terminal amino acids of GH26 endo-mannanase (ManB-1601) affects biochemical properties and stability against anionic surfactants.. <i>Enzyme and Microbial Technology</i> , 2022 , 157, 110031 ^{3.8}		
27	Enzymes in nearly anhydrous deep eutectic solvents: Insight into the biocompatibility and thermal stability.. <i>Enzyme and Microbial Technology</i> , 2022 , 157, 110022	3.8	2
26	Current understanding on insights towards protein stabilization and activation in deep eutectic solvents as a sustainable solvent media. <i>Physical Chemistry Chemical Physics</i> ,	3.6	2
25	High efficient crosslinking of gelatin and preparation of its excellent flexible composite film using deep eutectic solvent. <i>Process Biochemistry</i> , 2022 , 118, 32-40	4.8	1
24	Deep eutectic solvents for the preservation of concentrated proteins: the case of lysozyme in 1:2 choline chloride:glycerol. <i>Green Chemistry</i> ,	10	0
23	The protein-stabilizing effects of TMAO in aqueous and non-aqueous conditions.		1
22	Lipase-Mediated Mechanoenzymatic Synthesis of Sugar Esters in Dissolved Unconventional and Neat Reaction Systems. 2022 , 10, 10192-10202		2
21	Effect of natural deep eutectic solvents of non-eutectic compositions on enzyme stability. 2022 , 120180		
20	Phase behavior and internal micro mechanism of separation acetonitrile from water by hydrophobic green solvents. 2022 , 10, 108507		0
19	Advances in enzyme biocatalysis for the preparation of functional lipids. 2022 , 61, 108036		0
18	Deep eutectic solvents as green and efficient media for biocatalytic processes. 2022 , 161-180		1
17	Deep eutectic solvents as a stabilising medium for NAD coenzyme: unravelling the mechanism behind coenzyme stabilisation effect. 2022 , 24, 7661-7674		0

- 16 Deep eutectic systems for carbonic anhydrase extraction from microalgae biomass to improve carbon dioxide solubilization. **2022**, 65, 102225
- 15 Fortification of thermal and structural stability of hemoglobin by choline chloride-based deep eutectic solvents: Potential green solvents of future.
- 14 De novo synthesis of enzyme-embedded covalent organic frameworks (COFs) using deep eutectic solvent: Pushing the COF limits. **2023**, 456, 141058
- 13 Understanding the screening effect of aqueous DES on the IDPs: A molecular dynamics simulation study using amyloid β 2 monomer. **2023**, 119, 108398
- 12 Efficient Separation of Methyl tert-Butyl Ether Using Ionic Liquids from Computational Thermodynamics to Process Intensification. **2022**, 61, 17631-17643
- 11 Modeling the Interaction of Anticancer Protein Azurin with the Nanosheets for Medical Applications. **2022**, 7,
- 10 Hydration in Deep Eutectic Solvents Induces Non-monotonic Changes in the Conformation and Stability of Proteins.
- 9 Role of ionic liquids and their future alternative toward protein chemistry. **2023**, 417-441
- 8 Shifting the natural deep eutectic solvent based liquid lipase extraction from batch to continuous for more efficient process performance. **2023**, 405, 136899
- 7 Encapsulated deep eutectic solvent and carbonic anhydrase jointly by microfluidics for high capture performance of carbon dioxide. **2023**, 315, 123701
- 6 Separation of butyl acetate and propyl acetate from wastewater by liquid-liquid extraction and molecular dynamics simulation. **2023**, 379, 121699
- 5 The effect of PC20:0 and di-C7-PC amphiphilic surfactants on the aggregation of A β 40 and A β 42 using molecular dynamics simulation.
- 4 Deep eutectic solvent as fluorescence probe for trace analysis of lanthanum ion.
- 3 Lipase-Catalysed Polymerization of Eutectic Mixtures.
- 2 Sustainable Setups for the Biocatalytic Production and Scale-Up of Panthenyl Monoacyl Esters under Solvent-Free Conditions. **2023**, 11, 5737-5747
- 1 Natural multi-osmolyte cocktails form deep eutectic systems of unprecedented complexity: discovery, affordances and perspectives.