

Afsheen Aman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4098761/publications.pdf>

Version: 2024-02-01

86
papers

1,846
citations

304743

22
h-index

315739

38
g-index

88
all docs

88
docs citations

88
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro application of bacteriocin produced by <i>Lactiplantibacillus plantarum</i> for the biopreservation of meat at refrigeration temperature. <i>Journal of Food Processing and Preservation</i> , 2022, 46, e16159.	2.0	4
2	Exploration of a three-dimensional matrix as micro-reactor in the form of reactive polyaminosaccharide hydrogel beads using multipoint covalent interaction approach. <i>Biotechnology Letters</i> , 2022, 44, 299-319.	2.2	3
3	Polyacrylamide hydrogel carrier (matrix-type macrogel beads): Improvement in the catalytic behavior, stability, and reusability of industrially valuable xylanase from a thermophile <i>Geobacillus stearothermophilus</i> . <i>Current Research in Biotechnology</i> , 2022, 4, 229-237.	3.7	2
4	Structural elucidation and cytotoxic analysis of a fructan based biopolymer produced extracellularly by <i>Zymomonas mobilis</i> KIBGE-IB14. <i>Carbohydrate Research</i> , 2021, 499, 108223.	2.3	9
5	Comparison of composting of chemically pretreated and fermented sugarcane bagasse for zero-waste biorefinery. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 911-921.	3.0	19
6	Single step immobilization of CMCCase within agarose gel matrix: Kinetics and thermodynamic studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111583.	5.0	11
7	Biosynthesis of silver nanoparticles for the fabrication of non cytotoxic and antibacterial metallic polymer based nanocomposite system. <i>Scientific Reports</i> , 2021, 11, 10500.	3.3	47
8	Thermodynamics, kinetics and optimization of catalytic behavior of polyacrylamide-entrapped carboxymethyl cellulase (CMCase) for prospective industrial use. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2417-2427.	3.4	4
9	A Comparative Study Among Different Protocols of Immobilization of Dextranase Using Chitin as a Matrix. <i>Catalysis Letters</i> , 2020, 150, 613-622.	2.6	6
10	Bioconversion of Colloidal Chitin Using Novel Chitinase from <i>Glutamicibacter uratoxydans</i> Exhibiting Anti-fungal Potential by Hydrolyzing Chitin Within Fungal Cell Wall. <i>Waste and Biomass Valorization</i> , 2020, 11, 4129-4143.	3.4	22
11	Characterization, Cytotoxic Analysis and Action Mechanism of Antilisterial Bacteriocin Produced by <i>Lactobacillus plantarum</i> Isolated from Cheddar Cheese. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 1751-1764.	1.9	11
12	Encapsulation of pectinase within polyacrylamide gel: characterization of its catalytic properties for continuous industrial uses. <i>Heliyon</i> , 2020, 6, e04578.	3.2	10
13	Inhibitory mechanism of BAC-IB17 against β -lactamase mediated resistance in methicillin-resistant <i>Staphylococcus aureus</i> and application as an oncolytic agent. <i>Microbial Pathogenesis</i> , 2020, 149, 104499.	2.9	4
14	Production of commercially important enzymes from <i>Bacillus licheniformis</i> KIBGE-IB3 using date fruit wastes as substrate. <i>Journal of Genetic Engineering and Biotechnology</i> , 2020, 18, 46.	3.3	12
15	Degradation of complex casein polymer: Production and optimization of a novel serine metalloprotease from <i>Aspergillus niger</i> KIBGE-IB36. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101256.	3.1	12
16	Improvement of <i>Lactobacillus plantarum</i> for the enhanced production of bacteriocin like inhibitory substance using combinatorial approach. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101386.	3.1	4
17	Improvement of catalytic properties of starch hydrolyzing fungal amyloglucosidase: Utilization of agar-agar as an organic matrix for immobilization. <i>Carbohydrate Research</i> , 2019, 486, 107860.	2.3	11
18	Maltose deterioration approach: Catalytic behavior optimization and stability profile of maltase from <i>Bacillus licheniformis</i> KIBGE-IB4. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00400.	4.4	1

#	ARTICLE	IF	CITATIONS
19	Purification and Characterization of a Thermostable Starch- α -1,4-Glucanase Produced by <i>Bacillus licheniformis</i> . <i>Starch/Staerke</i> , 2019, 71, 1800352.	2.1	2
20	Fermentation and saccharification of agro-industrial wastes: A cost-effective approach for dual use of plant biomass wastes for xylose production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101341.	3.1	20
21	Degradation of Long Chain Polymer (Dextran) Using Thermostable Dextranase from Hydrothermal Spring Isolate (<i>Bacillus megaterium</i>). <i>Geomicrobiology Journal</i> , 2019, 36, 683-693.	2.0	5
22	Immobilization of Dextranase Using Anionic Natural Polymer Alginate as a Matrix for the Degradation of a Long-Chain Biopolymer (Dextran). <i>International Journal of Polymer Science</i> , 2019, 2019, 1-8.	2.7	10
23	Xylan deterioration approach: Purification and catalytic behavior optimization of a novel β -1,4-d-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00299.	4.4	3
24	Purification and catalytic behavior optimization of lactose degrading β -galactosidase from <i>Aspergillus nidulans</i> . <i>Journal of Food Science and Technology</i> , 2019, 56, 167-176.	2.8	7
25	Characterization of cross-linked amyloglucosidase aggregates from <i>Aspergillus fumigatus</i> KIBGE-IB33 for continuous production of glucose. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1252-1260.	7.5	14
26	Significance of metal ions, solvents and surfactants to improve the xylan degrading behavior of β -1,4-D-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 242-246.	3.1	3
27	REPORT- Role of metal ions on the catalytic efficiency of dextran hydrolyzing biocatalyst. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019, 32, 2761-2764.	0.2	0
28	Agar-agar immobilization: An alternative approach for the entrapment of protease to improve the catalytic efficiency, thermal stability and recycling efficiency. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 917-922.	7.5	26
29	Enhanced biosynthesis of dextransucrase: A multivariate approach to produce a glucosyltransferase for biocatalysis of sucrose into dextran. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 776-785.	7.5	4
30	Polyacrylamide beads: Polymer entrapment increases the catalytic efficiency and thermal stability of protease. <i>Molecular Catalysis</i> , 2018, 446, 81-87.	2.0	11
31	Characterization and interplay of bacteriocin and exopolysaccharide-mediated silver nanoparticles as an antibacterial agent. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 643-650.	7.5	21
32	Bioprospecting of indigenous resources for the exploration of exopolysaccharide producing lactic acid bacteria. <i>Journal of Genetic Engineering and Biotechnology</i> , 2018, 16, 17-22.	3.3	8
33	Screening, purification and characterization of thermostable, protease resistant Bacteriocin active against methicillin resistant <i>Staphylococcus aureus</i> (MRSA). <i>BMC Microbiology</i> , 2018, 18, 192.	3.3	50
34	Agarose Hydrogel Beads: An Effective Approach to Improve the Catalytic Activity, Stability and Reusability of Fungal Amyloglucosidase of GH15 Family. <i>Catalysis Letters</i> , 2018, 148, 2643-2653.	2.6	12
35	Role of Anionic Polysaccharide (Alginate) on Activity, Stability and Recycling Efficiency of Bacterial Endo- β -1,4-Glucanase of GH12 Family. <i>Catalysis Letters</i> , 2017, 147, 1792-1801.	2.6	7
36	Utilization of corncob xylan as a sole carbon source for the biosynthesis of endo- β -1,4-xylanase from <i>Aspergillus niger</i> KIBGE-IB36. <i>Bioresources and Bioprocessing</i> , 2017, 4, .	4.2	16

#	ARTICLE	IF	CITATIONS
37	Enzymatic and acidic degradation of high molecular weight dextran into low molecular weight and its characterizations using novel Diffusion-ordered NMR spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 744-750.	7.5	19
38	Chitosan hydrogel microspheres: an effective covalent matrix for crosslinking of soluble dextranase to increase stability and recycling efficiency. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 451-461.	3.4	18
39	Role of two polysaccharide matrices on activity, stability and recycling efficiency of immobilized fungal amyloglucosidase of GH15 family. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 70-77.	7.5	17
40	Production of α -1,4-glucosidase from <i>Bacillus licheniformis</i> KIBGE-IB4 by utilizing sweet potato peel. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4058-4066.	5.3	11
41	Algal biomass: A sustainable, economical and renewable approach for microbial production of pectinolytic enzymes using submerged and solid state fermentation techniques. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 442-449.	2.0	11
42	Utilization of agro waste pectin for the production of industrially important polygalacturonase. <i>Heliyon</i> , 2017, 3, e00330.	3.2	27
43	Hyper Production of β -Galactosidase From Newly Isolated Strain of <i>Aspergillus nidulans</i> . <i>Journal of Food Process Engineering</i> , 2017, 40, e12452.	2.9	7
44	Hyper-production of levansucrase from <i>Zymomonas mobilis</i> KIBGEIB14 using submerged fermentation technique. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 2053-2059.	0.2	0
45	Maltase entrapment approach as an efficient alternative to increase the stability and recycling efficiency of free enzyme within agarose matrix. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 31-38.	5.3	21
46	Polyacrylamide Gel-Entrapped Maltase: An Excellent Design of Using Maltase in Continuous Industrial Processes. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 383-397.	2.9	7
47	Lactose hydrolysis approach: Isolation and production of β -galactosidase from newly isolated <i>Bacillus</i> strain B-2. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 5, 99-103.	3.1	12
48	Immobilization of pectin depolymerising polygalacturonase using different polymers. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 127-133.	7.5	48
49	Influence of different metals on the activation and inhibition of α -amylase from thermophilic <i>Bacillus firmus</i> KIBGE-IB28. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2016, 29, 1275-8.	0.2	1
50	Calcium alginate matrix increases the stability and recycling capability of immobilized endo- β -1,4-xylanase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Extremophiles</i> , 2015, 19, 819-827.	2.3	30
51	Agar-agar entrapment increases the stability of endo- β -1,4-xylanase for repeated biodegradation of xylan. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 121-127.	7.5	53
52	Continuous degradation of maltose: improvement in stability and catalytic properties of maltase (α -glucosidase) through immobilization using agar-agar gel as a support. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 631-638.	3.4	21
53	Phenotypic and molecular characterization of <i>Aspergillus</i> species for the production of starch-saccharifying amyloglucosidase. <i>Annals of Microbiology</i> , 2015, 65, 2287-2291.	2.6	21
54	Purification, characterization and end product analysis of dextran degrading endodextranase from <i>Bacillus licheniformis</i> KIBGE-IB25. <i>International Journal of Biological Macromolecules</i> , 2015, 78, 243-248.	7.5	32

#	ARTICLE	IF	CITATIONS
55	Continuous degradation of maltose by enzyme entrapment technology using calcium alginate beads as a matrix. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 250-256.	1.3	31
56	Morphological and molecular based identification of pectinase producing <i>Bacillus licheniformis</i> from rotten vegetable. <i>Journal of Genetic Engineering and Biotechnology</i> , 2015, 13, 139-144.	3.3	24
57	Characterization of pectin degrading polygalacturonase produced by <i>Bacillus licheniformis</i> KIBGE-IB21. <i>Food Hydrocolloids</i> , 2015, 43, 819-824.	10.7	34
58	Hyper production of cellulose degrading endo (1,4) β -D-glucanase from <i>Bacillus licheniformis</i> KIBGE-IB2. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 160-165.	1.2	32
59	Plasmid borne BAC-IB17: Localization of a potential antibacterial positive marker (Bac+) encoded broad inhibitory spectrum bacteriocin. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 1331-5.	0.2	2
60	Role of nutrients and environmental conditions for the production of dextransucrase from <i>L. mesenteroides</i> KIBGE-IB26. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2015, 28, 1939-45.	0.2	0
61	Immobilization of pectinase from <i>Bacillus licheniformis</i> KIBGE-IB21 on chitosan beads for continuous degradation of pectin polymers. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014, 3, 282-287.	3.1	28
62	Enhanced production of cellulose degrading CMCase by newly isolated strain of <i>Aspergillus versicolor</i> . <i>Carbohydrate Polymers</i> , 2014, 104, 199-203.	10.2	11
63	Structural analysis and characterization of dextran produced by wild and mutant strains of <i>Leuconostoc mesenteroides</i> . <i>Carbohydrate Polymers</i> , 2014, 99, 331-338.	10.2	102
64	Immobilization of pectin degrading enzyme from <i>Bacillus licheniformis</i> KIBGE IB-21 using agar-agar as a support. <i>Carbohydrate Polymers</i> , 2014, 102, 622-626.	10.2	78
65	Production of xylan degrading endo-1, 4- β -xylanase from thermophilic <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Journal of Radiation Research and Applied Sciences</i> , 2014, 7, 478-485.	1.2	50
66	Saccharification and liquefaction of cassava starch: an alternative source for the production of bioethanol using amylolytic enzymes by double fermentation process. <i>BMC Biotechnology</i> , 2014, 14, 49.	3.3	65
67	Enhanced production of maltase (α -glucosidase) from newly isolated strain of <i>Bacillus licheniformis</i> KIBGE-IB4. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014, 27, 1437-42.	0.2	4
68	High production of cellulose degrading endo-1,4- β -D-glucanase using bagasse as a substrate from <i>Bacillus subtilis</i> KIBGE HAS. <i>Carbohydrate Polymers</i> , 2013, 91, 300-304.	10.2	17
69	Strain improvement by mutation for enhanced production of starch saccharifying glucoamylase from <i>Bacillus licheniformis</i> . <i>Starch/Staerke</i> , 2013, 65, 875-884.	2.1	13
70	Mutational analysis and characterization of dextran synthesizing enzyme from wild and mutant strain of <i>Leuconostoc mesenteroides</i> . <i>Carbohydrate Polymers</i> , 2013, 91, 209-216.	10.2	11
71	Degradation of complex carbohydrate: Immobilization of pectinase from <i>Bacillus licheniformis</i> KIBGE-IB21 using calcium alginate as a support. <i>Food Chemistry</i> , 2013, 139, 1081-1086.	8.2	128
72	Dextranase: Hyper production of dextran degrading enzyme from newly isolated strain of <i>Bacillus licheniformis</i> . <i>Carbohydrate Polymers</i> , 2013, 92, 2149-2153.	10.2	23

#	ARTICLE	IF	CITATIONS
73	Isolation and characterization of different strains of <i>Bacillus licheniformis</i> for the production of commercially significant enzymes. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2013, 26, 691-7.	0.2	17
74	Polygalacturonase: Production of pectin depolymerising enzyme from <i>Bacillus licheniformis</i> KIBGE IB-21. <i>Carbohydrate Polymers</i> , 2012, 90, 387-391.	10.2	52
75	Characterization and potential applications of high molecular weight dextran produced by <i>Leuconostoc mesenteroides</i> AA1. <i>Carbohydrate Polymers</i> , 2012, 87, 910-915.	10.2	70
76	Low molecular weight dextran: Immobilization of cells of <i>Leuconostoc mesenteroides</i> KIBGE HA1 on calcium alginate beads. <i>Carbohydrate Polymers</i> , 2012, 87, 2589-2592.	10.2	16
77	Bacteriocin (BAC-IB17): screening, isolation and production from <i>Bacillus subtilis</i> KIBGE IB-17. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2012, 25, 195-201.	0.2	18
78	Purification and Characterization of Novel α -Amylase from <i>Bacillus subtilis</i> KIBGE HAS. <i>AAPS PharmSciTech</i> , 2011, 12, 255-261.	3.3	62
79	Continuous Production of Dextran from Immobilized Cells of <i>Leuconostoc mesenteroides</i> KIBGE HA1 Using Acrylamide as a Support. <i>Indian Journal of Microbiology</i> , 2011, 51, 279-282.	2.7	6
80	Germination potential index of Sindh rice cultivars on biochemical basis, using amylase as an indicator. <i>African Journal of Biotechnology</i> , 2011, 10, .	0.6	2
81	A new flavanone with urease-inhibition activity isolated from roots of manna plant camelthorn (<i>Alhagi maurorum</i>). <i>Journal of Molecular Structure</i> , 2010, 965, 65-67.	3.6	25
82	Partial purification and some properties of alpha-amylase from <i>Bacillus subtilis</i> KIBGE-HAS. <i>Indian Journal of Biochemistry and Biophysics</i> , 2009, 46, 401-4.	0.0	10
83	Production & Characterization of a Unique Dextran from an Indigenous <i>Leuconostoc mesenteroides</i> CMG713. <i>International Journal of Biological Sciences</i> , 2008, 4, 379-386.	6.4	124
84	Characterization of dextransucrase immobilized on calcium alginate beads from <i>Leuconostoc mesenteroides</i> PCSIR-4. <i>Italian Journal of Biochemistry</i> , 2007, 56, 158-62.	0.3	9
85	Estimation of total and direct serum bilirubin using modified micro assay method. <i>Italian Journal of Biochemistry</i> , 2007, 56, 171-5.	0.3	3
86	Effect of Metal Ions, Solvents and Surfactants on the Activity of Protease from <i>Aspergillus niger</i> KIBGE-IB36. <i>Journal of Basic & Applied Sciences</i> , 0, 13, 491-495.	0.8	12