

Satya P Singh

List of Publications by Year in descending order

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99
papers

2,694
citations

147801

31
h-index

214800

47
g-index

102
all docs

102
docs citations

102
times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	Amylases from thermophilic bacteria: structure and function relationship. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 325-341.	9.0	24
2	Cultivation and Diversity of Marine Actinomycetes: Molecular Approaches and Bioinformatics Tools. , 2022, , 215-240.		3
3	Antimicrobial Potential and Metabolite Profiling of Marine Actinobacteria. , 2022, , 241-264.		1
4	Multifunctional properties of polysaccharides produced by halophilic bacteria and their new applications in biotechnology. , 2022, , 41-70.		1
5	Diversity of Cultivable Bacteria in A Saline Desert of Little Rann of Kutch, India: A Phylogenetic Perspective. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	2
6	Microorganisms under extreme environments and their applications. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100141.	2.3	5
7	Comparative analysis of the catalysis and stability of the native, recombinant and metagenomic alkaline proteases in organic solvents. <i>Environmental Science and Pollution Research</i> , 2022, 29, 80968-80982.	5.3	2
8	Two steps purification, biochemical characterization, thermodynamics and structure elucidation of thermostable alkaline serine protease from <i>Nocardiopsis alba</i> strain OM-5. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 39-50.	7.5	18
9	Diversity and Phylogeny of Actinomycetes of Arabian Sea Along the Gujarat Coast. <i>Geomicrobiology Journal</i> , 2021, 38, 347-364.	2.0	10
10	Genetic and Phenotypic Heterogeneity of the <i>Nocardiopsis alba</i> Strains of Seawater. <i>Current Microbiology</i> , 2021, 78, 1377-1387.	2.2	7
11	Biochemical properties and repression studies of an alkaline serine protease from a haloalkaliphilic actinomycete, <i>Nocardiopsis dassonvillei</i> subsp. <i>albirubida</i> OK-14. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102059.	3.1	6
12	Kinetics of growth and co-production of amylase and protease in novel marine actinomycete, <i>Streptomyces lopnurensis</i> KaM5. <i>Folia Microbiologica</i> , 2021, 66, 303-316.	2.3	16
13	Marine Actinobacteria: New Horizons in Bioremediation. <i>Environmental and Microbial Biotechnology</i> , 2021, , 425-449.	0.7	6
14	Taxonomic and functional profiling of the microbial communities of Arabian Sea: A metagenomics approach. <i>Genomics</i> , 2020, 112, 4361-4369.	2.9	18
15	Biochemical, thermodynamic and structural characteristics of a biotechnologically compatible alkaline protease from a haloalkaliphilic, <i>Nocardiopsis dassonvillei</i> OK-18. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 680-696.	7.5	47
16	Cloning, Expression, and Structural Elucidation of a Biotechnologically Potential Alkaline Serine Protease From a Newly Isolated Haloalkaliphilic <i>Bacillus lehensis</i> JO-26. <i>Frontiers in Microbiology</i> , 2020, 11, 941.	3.5	35
17	In Silico Identification of Drug Targets and Drug-Like Molecules against <i>Vibrio splendidus</i> LGP32. , 2020, , 401-414.		2
18	Catalytic, thermodynamic and structural properties of an immobilized and highly thermostable alkaline protease from a haloalkaliphilic actinobacteria, <i>Nocardiopsis alba</i> TATA-5. <i>Bioresource Technology</i> , 2019, 278, 150-158.	9.6	46

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19	Thermodynamics of a Ca ²⁺ dependent, highly thermostable and detergent compatible purified alkaline serine protease from <i>Nocardiopsis xinjiangensis</i> strain OM-6. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 565-574.	7.5	23
20	Phylogeny, novel bacterial lineage and enzymatic potential of haloalkaliphilic bacteria from the saline coastal desert of Little Rann of Kutch, Gujarat, India. <i>3 Biotech</i> , 2018, 8, 53.	2.2	26
21	Stability of Alkaline Proteases from Haloalkaliphilic Actinobacteria Probed by Circular Dichroism Spectroscopy. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 591-602.	0.9	7
22	Molecular Phylogeny and Diversity of the Salt-Tolerant Alkaliphilic Actinobacteria Inhabiting Coastal Gujarat, India. <i>Geomicrobiology Journal</i> , 2018, 35, 775-789.	2.0	17
23	Adaptation Strategies in Halophilic Bacteria. , 2018, , 137-164.		11
24	Metagenomic and Culture-Dependent Analysis of the Bacterial Diversity of a Hot Spring Reservoir as a Function of the Seasonal Variation. <i>International Journal of Environmental Research</i> , 2017, 11, 25-38.	2.3	7
25	Biochemical and Proteomics Analysis of the Plant Growth-Promoting Rhizobacteria in Stress Conditions. , 2017, , 227-245.		0
26	Uncultivated Lineages and Host-Microbe Interaction in Saline Environment. , 2017, , 13-28.		1
27	Phylogenetic and Phenogram Based Diversity of Haloalkaliphilic Bacteria from the Saline Desert. , 2017, , 373-386.		4
28	Endophytic Actinobacteria and Their Interactions with Plant Host Systems. , 2017, , 247-266.		5
29	<i>Desertibacillus haloalkaliphilus</i> gen. nov., sp. nov., isolated from a saline desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4435-4442.	1.7	29
30	Identification of a group of cryptic marine limpet species, <i>Cellana karachiensis</i> (Mollusca: Tj ETQqO O O rgBT /Overlock 10 Tf 50 307 Td (F 27, 1328-1331.	0.6	5
31	Effect of amino acids on the repression of alkaline protease synthesis in haloalkaliphilic <i>Nocardiopsis dassonvillei</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 12, 40-51.	4.4	29
32	Structural and catalytic properties of immobilized α -amylase from <i>Laceyella sacchari</i> TSI-2. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 208-216.	7.5	26
33	Production optimization, purification and characterization of α -amylase from thermophilic <i>Bacillus licheniformis</i> TSI-14. <i>Starch/Staerke</i> , 2015, 67, 629-639.	2.1	14
34	Culture dependent diversity and phylogeny of thermophilic bacilli from a natural hot spring reservoir in the Gir Forest, Gujarat (India). <i>Microbiology</i> , 2015, 84, 687-700.	1.2	12
35	Antimicrobial and Biocatalytic Potential of Haloalkaliphilic Actinobacteria. <i>Sustainable Development and Biodiversity</i> , 2015, , 29-55.	1.7	11
36	Enzyme stability, thermodynamics and secondary structures of α -amylase as probed by the CD spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 450-460.	7.5	54

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37	Characteristics and thermodynamics of α -amylase from thermophilic actinobacterium, <i>Laceyella sacchari</i> TSI-2. <i>Process Biochemistry</i> , 2015, 50, 2128-2136.	3.7	28
38	Cloning, heterologous expression and structural characterization of an alkaline serine protease from sea water haloalkaliphilic bacterium. <i>Annals of Microbiology</i> , 2015, 65, 371-381.	2.6	16
39	Thermodynamics of a Ca^{2+} -dependent highly thermostable alkaline protease from a haloalkaliphilic actinomycete. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 421-429.	7.5	26
40	Extracellular Proteases from Halophilic and Haloalkaliphilic Bacteria: Occurrence and Biochemical Properties. <i>Sustainable Development and Biodiversity</i> , 2015, , 421-449.	1.7	9
41	Cloning, over expression and functional attributes of serine proteases from <i>Oceanobacillus iheyensis</i> O.M.A18 and Haloalkaliphilic bacterium O.M.E12. <i>Process Biochemistry</i> , 2014, 49, 61-68.	3.7	19
42	Biochemical and structural characterization of a detergent-stable serine alkaline protease from seawater haloalkaliphilic bacteria. <i>Process Biochemistry</i> , 2014, 49, 955-962.	3.7	81
43	Extraction of the metagenomic DNA and assessment of the bacterial diversity from the petroleum-polluted sites. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6351-6362.	2.7	8
44	Haloalkaliphilic Bacteria: Molecular Diversity and Biotechnological Applications. <i>Soil Biology</i> , 2014, , 61-79.	0.8	8
45	Characteristics and thermodynamics of a thermostable protease from a salt-tolerant alkaliphilic actinomycete. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 20-27.	7.5	40
46	Immobilization of the α -amylase of <i>Bacillus amyloliquifaciens</i> TSWK1-1 for the improved biocatalytic properties and solvent tolerance. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 567-577.	3.4	44
47	Molecular Diversity and Biotechnological Relevance of Thermophilic Actinobacteria. , 2013, , 459-479.		5
48	Strategies for the Salt Tolerance in Bacteria and Archeae and its Implications in Developing Crops for Adverse Conditions. , 2013, , 85-99.		6
49	A metagenomic alkaline protease from saline habitat: Cloning, over-expression and functional attributes. <i>International Journal of Biological Macromolecules</i> , 2013, 53, 138-143.	7.5	33
50	Complete Genome Sequence of <i>Escherichia</i> Phage ADB-2 Isolated from a Fecal Sample of Poultry. <i>Genome Announcements</i> , 2013, 1, e0004313.	0.8	5
51	Diversity, population dynamics and biocatalytic potential of cultivable and non-cultivable bacterial communities of the saline ecosystems. , 2013, , 165-189.		8
52	Actinomycetes from marine habitats and their enzymatic potential. , 2013, , 191-214.		9
53	Whole-Genome Shotgun Sequencing of the Extremophile <i>Alkalibacillus haloalkaliphilus</i> C-5, of Indian Origin. <i>Journal of Bacteriology</i> , 2012, 194, 4775-4775.	2.2	7
54	Screening and isolation of halophilic bacteria producing industrially important enzymes. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1595-1603.	2.0	111

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55	Cloning and expression of alkaline protease genes from two salt-tolerant alkaliphilic actinomycetes in <i>E. coli</i> . <i>International Journal of Biological Macromolecules</i> , 2012, 50, 664-671.	7.5	16
56	Catalysis and stability of an alkaline protease from a haloalkaliphilic bacterium under non-aqueous conditions as a function of pH, salt and temperature. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 251-256.	2.2	32
57	Purification strategies, characteristics and thermodynamic analysis of a highly thermostable alkaline protease from a salt-tolerant alkaliphilic actinomycete, <i>Nocardioopsis alba</i> OK-5. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 61-68.	2.3	64
58	The stability and thermodynamic parameters of a very thermostable and calcium-independent $\hat{\Gamma}$ -amylase from a newly isolated bacterium, <i>Anoxybacillus beppuensis</i> TSSC-1. <i>Process Biochemistry</i> , 2012, 47, 1791-1798.	3.7	54
59	Organic Solvent Tolerance of an $\hat{\Gamma}$ -Amylase from Haloalkaliphilic Bacteria as a Function of pH, Temperature, and Salt Concentrations. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 1747-1757.	2.9	35
60	Haloalkaliphilic Bacteria and Actinobacteria from the Saline Habitats: New Opportunities for Biocatalysis and Bioremediation. , 2012, , 415-429.		10
61	Screening and isolation of halophilic bacteria producing industrially important enzymes. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 1595-603.	2.0	40
62	Actinobase: Database on molecular diversity, phylogeny and biocatalytic potential of salt tolerant alkaliphilic actinomycetes. <i>Bioinformatics</i> , 2012, 8, 535-538.	0.5	8
63	Single step purification and characterization of a thermostable and calcium independent $\hat{\Gamma}$ -amylase from <i>Bacillus amyloliquifaciens</i> TSWK1-1 isolated from Tulsi Shyam hot spring reservoir, Gujarat (India). <i>International Journal of Biological Macromolecules</i> , 2011, 48, 676-681.	7.5	63
64	Comparative analysis of enzymatic stability and amino acid sequences of thermostable alkaline proteases from two haloalkaliphilic bacteria isolated from Coastal region of Gujarat, India. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 103-112.	7.5	26
65	Repression of alkaline protease in salt-tolerant alkaliphilic <i>Streptomyces clavuligerus</i> strain Mit-1 under the influence of amino acids in minimal medium. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 1180-1186.	2.6	11
66	A novel organic solvent tolerant protease from a newly isolated <i>Geomicrobium</i> sp. EMB2 (MTCC 10310): production optimization by response surface methodology. <i>New Biotechnology</i> , 2011, 28, 136-145.	4.4	40
67	Pahbase, a Freely Available Functional Database of Polycyclic Aromatic Hydrocarbons (Pahs) Degrading Bacteria. <i>Journal of Bioremediation & Biodegradation</i> , 2011, 2, .	0.5	10
68	Decolorization of Textile Dye Remazol Black B by <i>Pseudomonas aeruginosa</i> CR-25 Isolated from the Common Effluent Treatment Plant. <i>Journal of Bioremediation & Biodegradation</i> , 2011, 02, .	0.5	24
69	Effect of growth temperature, induction, and molecular chaperones on the solubilization of over-expressed cellobiose phosphorylase from <i>Cellvibrio Gilvus</i> under in vivo conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 273-276.	2.6	15
70	Isolation and partial purification of an antimicrobial agent from halotolerant alkaliphilic <i>Streptomyces aburaviensis</i> strain Kut-8. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 2081-2087.	3.6	71
71	Comparative studies on the extraction of metagenomic DNA from the saline habitats of Coastal Gujarat and Sambhar Lake, Rajasthan (India) in prospect of molecular diversity and search for novel biocatalysts. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 375-379.	7.5	43
72	Organic solvent tolerance of an alkaline protease from salt-tolerant alkaliphilic <i>Streptomyces clavuligerus</i> strain Mit-1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 211-218.	3.0	74

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73	Assessment of various methods for extraction of metagenomic DNA from saline habitats of coastal Gujarat (India) to explore molecular diversity. <i>Letters in Applied Microbiology</i> , 2009, 49, 338-344.	2.2	49
74	Production and optimization of a commercially viable alkaline protease from a haloalkaliphilic bacterium. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 552-559.	2.6	42
75	Purification and stability characteristics of an alkaline serine protease from a newly isolated Haloalkaliphilic bacterium sp. AH-6. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 121-131.	3.0	91
76	Salt dependent resistance against chemical denaturation of alkaline protease from a newly isolated haloalkaliphilic <i>Bacillus</i> sp.. <i>Bioresource Technology</i> , 2008, 99, 6223-6227.	9.6	62
77	Secretion of an alkaline protease from a salt- tolerant and alkaliphilic, <i>Streptomyces clavuligerus</i> strain Mit-1. <i>Brazilian Journal of Microbiology</i> , 2007, 38, 766-772.	2.0	52
78	Two-step purification of a highly thermostable alkaline protease from salt-tolerant alkaliphilic <i>Streptomyces clavuligerus</i> strain Mit-1. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 854, 198-203.	2.3	48
79	Characterization and stability of extracellular alkaline proteases from halophilic and alkaliphilic bacteria isolated from saline habitat of coastal Gujarat, India. <i>Brazilian Journal of Microbiology</i> , 2006, 37, 276-282.	2.0	45
80	Characteristics of chimeric enzymes constructed between <i>Thermotoga maritima</i> and <i>Agrobacterium tumefaciens</i> β -glucosidases: Role of C-terminal domain in catalytic activity. <i>Enzyme and Microbial Technology</i> , 2006, 38, 952-959.	3.2	10
81	Production of alkaline protease from an alkaliphilic actinomycete. <i>Bioresource Technology</i> , 2006, 97, 1650-1654.	9.6	89
82	Purification and characterization of alkaline protease from a newly isolated haloalkaliphilic <i>Bacillus</i> sp.. <i>Process Biochemistry</i> , 2006, 41, 2002-2009.	3.7	72
83	Production of Extracellular Halo-alkaline Protease from a Newly Isolated Haloalkaliphilic <i>Bacillus</i> sp. Isolated from Seawater in Western India. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 375-382.	3.6	49
84	<i>Bacillus okhensis</i> sp. nov., a halotolerant and alkalitolerant bacterium from an Indian saltpan. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1073-1077.	1.7	52
85	Extracellular alkaline protease from a newly isolated haloalkaliphilic <i>Bacillus</i> sp.: Production and optimization. <i>Process Biochemistry</i> , 2005, 40, 3569-3575.	3.7	160
86	One-step purification and characterization of an alkaline protease from haloalkaliphilic <i>Bacillus</i> sp.. <i>Journal of Chromatography A</i> , 2005, 1075, 103-108.	3.7	115
87	Improving enzyme characteristics by gene shuffling; application to β -glucosidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 811-816.	1.8	15
88	Overproduction of β -glucosidase in active form by an <i>Escherichia coli</i> system coexpressing the chaperonin GroEL/ES. <i>FEMS Microbiology Letters</i> , 1998, 159, 41-46.	1.8	35
89	Overproduction of β -glucosidase in active form by an <i>Escherichia coli</i> system coexpressing the chaperonin GroEL/ES. <i>FEMS Microbiology Letters</i> , 1998, 159, 41-46.	1.8	32
90	Partitioning of a <i>Bacillus</i> alkaline protease in aqueous two-phase systems. <i>Bioresource Technology</i> , 1996, 55, 163-166.	9.6	19

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91	Optimization of the Production of an Amylase from a Marine Actinomycetes <i>Nocardioopsis Dassionvillei</i> Strain Kas11. SSRN Electronic Journal, 0, , .	0.4	5
92	Production of an Alkaline Protease From <i>Nocardioopsis Alba Om-4</i> , a Haloalkaliphilic Actinobacteria in Solid-State Fermentation Using Agricultural Waste Products. SSRN Electronic Journal, 0, , .	0.4	1
93	Comparative Analysis of Thermophilic Alpha-Amylase Using In Silico Approach. SSRN Electronic Journal, 0, , .	0.4	1
94	Optimization of Amylase Production From <i>Nocardioopsis sp. DW-4</i> Isolated From Dwarka, Coastal Region of Gujarat. SSRN Electronic Journal, 0, , .	0.4	0
95	Isolation and Characterization of Plant Growth Promoting Rhizospheric Bacteria From <i>Limonium stocksii</i> . SSRN Electronic Journal, 0, , .	0.4	2
96	Effect of Salt and pH on the Growth and Production of Alkaline Proteases From Haloalkaliphilic Bacteria Isolated From Saline Desert. SSRN Electronic Journal, 0, , .	0.4	0
97	Antimicrobial Activities and Antibiotic Resistance of <i>Nocardioopsis alba</i> Isolated From the Saline Habitats of Coastal Gujarat. SSRN Electronic Journal, 0, , .	0.4	0
98	Designing and Evaluation of Metagenomics 16S rRNA Gene Primers. SSRN Electronic Journal, 0, , .	0.4	2
99	Phenotypic characteristics, phylogenetic analysis and characterization of alkaline proteases of marine bacteria <i>Geomicrobium halophilum</i> , <i>Oceanobacillus oncorhynchi</i> , and <i>Oceanobacillus khimchii</i> . , 0, , 1.		0