

# Shamsher Singh Kanwar

## List of Publications by Year in descending order

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102  
papers

3,759  
citations

201385

27  
h-index

138251

58  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4915  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization and <i>in silico</i> analysis of oxalate decarboxylase of <i>Pseudomonas</i> sp. OXDC12. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1495-1509.	2.0	2
2	The impact of nanoparticles-based enzyme immobilization in biocatalysis. , 2022, , 149-168.		3
3	An Insight in Developing Carrier-Free Immobilized Enzymes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 794411.	2.0	19
4	The influence of dysbiosis on kidney stones that risk up renal cell carcinoma (RCC). <i>Seminars in Cancer Biology</i> , 2021, 70, 134-138.	4.3	11
5	Lipopeptide(s) associated with human microbiome as potent cancer drug. <i>Seminars in Cancer Biology</i> , 2021, 70, 128-133.	4.3	12
6	Biodiversity of meatborne <i>Listeria</i> spp. in Himachal Pradesh and their interaction with indigenous probiotics. <i>Journal of Food Science and Technology</i> , 2021, 58, 1209-1215.	1.4	1
7	Purification, characterization and cytotoxic properties of a bacterial RNase. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 665-676.	3.6	4
8	Purification and identification of a surfactin biosurfactant and engine oil degradation by <i>Bacillus velezensis</i> KLP2016. <i>Microbial Cell Factories</i> , 2021, 20, 26.	1.9	29
9	Combination of classical and statistical approaches to enhance the fermentation conditions and increase the yield of Lipopeptide(s) by <i>Pseudomonas</i> sp. OXDC12: its partial purification and determining antifungal property. <i>Turkish Journal of Biology</i> , 2021, 45, 695-710.	2.1	4
10	Antitumoral and Antimicrobial Activity of Surfactin Extracted from <i>Bacillus subtilis</i> KLP2015. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 423-433.	0.9	43
11	Bioactive peptides. , 2020, , 107-137.		10
12	Biotechnological production and applications of ribonucleases. , 2020, , 363-389.		1
13	Purification, characterization, and biological cytotoxic activity of the extracellular cholesterol oxidase produced by <i>Castellaniella</i> sp. COX. <i>Journal of Basic Microbiology</i> , 2020, 60, 253-267.	1.8	1
14	Utility of Silane-Modified Magnesium-Based Magnetic Nanoparticles for Efficient Immobilization of <i>Bacillus thermoamylovorans</i> Lipase. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 1029-1043.	1.4	7
15	Ethnic Fermented Foods and Beverages of Himachal Pradesh. , 2020, , 189-208.		4
16	Five-factor-at-a-time (FFAT) approach for optimal production of an extracellular RNase from <i>Bacillus safensis</i> RB-5. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 916-926.	1.0	2
17	Genetic variations in salt tolerant and plant growth promoting rhizobacteria of the Western Himalayas. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 133-142.	0.9	5
18	Biodiesel and the Potential Role of Microbial Lipases in Its Production. <i>Microorganisms for Sustainability</i> , 2019, , 83-99.	0.4	4

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19	Role of Microbial Hydrolases in Bioremediation. <i>Microorganisms for Sustainability</i> , 2019, , 149-164.	0.4	14
20	Plant Growth-Promoting Bacterial Life at High Salt Concentrations: Genetic Variability. , 2019, , 101-111.		0
21	Chemoprevention by Probiotics During 1,2-Dimethylhydrazine-Induced Colon Carcinogenesis in Rats. <i>Digestive Diseases and Sciences</i> , 2018, 63, 900-909.	1.1	32
22	Characterization of flavonoids from fern <i>Cheilanthes tenuifolia</i> and evaluation of antioxidant, antimicrobial and anticancer activities. <i>Journal of King Saud University - Science</i> , 2018, 30, 425-432.	1.6	27
23	Antilipase activity guided fractionation of <i>Vinca major</i> . <i>Journal of King Saud University - Science</i> , 2018, 30, 433-439.	1.6	3
24	Potent anticancer, antioxidant and antibacterial activities of isolated flavonoids from <i>Asplenium nidus</i> . <i>Journal of King Saud University - Science</i> , 2018, 30, 185-192.	1.6	47
25	Molecular characterization and bioinformatics studies of a lipase from <i>Bacillus thermoamylovorans</i> BHK67. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2131-2140.	3.6	44
26	Phosphatidylserine: A cancer cell targeting biomarker. <i>Seminars in Cancer Biology</i> , 2018, 52, 17-25.	4.3	128
27	Benzothiazole-Based Bioconjugates with Improved Antimicrobial, Anticancer and Antioxidant Potential. <i>ChemistrySelect</i> , 2018, 3, 11326-11332.	0.7	13
28	High throughput synthesis of ethyl pyruvate by employing superparamagnetic iron nanoparticles-bound esterase. <i>Process Biochemistry</i> , 2018, 71, 109-117.	1.8	25
29	A novel approach for body weight management using a bacterial surfactin lipopeptide. <i>Obesity Medicine</i> , 2018, 10, 24-28.	0.5	4
30	Fabrication and functionalization of magnesium nanoparticle for lipase immobilization in n -propyl gallate synthesis. <i>Journal of King Saud University - Science</i> , 2017, 29, 536-546.	1.6	40
31	Elucidation of biocontrol mechanisms of <i>Trichoderma harzianum</i> against different plant fungal pathogens: Universal yet host specific response. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 72-79.	3.6	34
32	Physical adsorption of lipase onto mesoporous silica. <i>International Journal of Current Advanced Research</i> , 2017, 6, 3837-3841.	0.0	10
33	Fermentation of Apple Juice with a Selected Yeast Strain Isolated from the Fermented Foods of Himalayan Regions and Its Organoleptic Properties. <i>Frontiers in Microbiology</i> , 2016, 07, 1012.	1.5	12
34	Lead Phytochemicals for Anticancer Drug Development. <i>Frontiers in Plant Science</i> , 2016, 7, 1667.	1.7	263
35	Molecular cloning and characterization of ech 46 endochitinase from <i>Trichoderma harzianum</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 92, 615-624.	3.6	22
36	Lipase catalysis in organic solvents: advantages and applications. <i>Biological Procedures Online</i> , 2016, 18, 2.	1.4	368

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37	Purification and Characterization of an Extracellular Cholesterol Oxidase of <i>Bacillus subtilis</i> Isolated from Tiger Excreta. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 353-367.	1.4	6
38	Gallic acid-based alkyl esters synthesis in a water-free system by celite-bound lipase of <i>Bacillus licheniformis</i> SCD11501. <i>Biotechnology Progress</i> , 2015, 31, 715-723.	1.3	18
39	Lipopeptides as the Antifungal and Antibacterial Agents: Applications in Food Safety and Therapeutics. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	316
40	Organic Solvent Tolerant Lipases and Applications. <i>Scientific World Journal</i> , The, 2014, 2014, 1-15.	0.8	177
41	L-Methionase: A Therapeutic Enzyme to Treat Malignancies. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	45
42	Effective immobilization of lipase onto a porous gelatin-coated Poly(vinyl alcohol) copolymer and evaluation of its hydrolytic properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	2
43	Synthesis of alkyl coumarate esters by celite-bound lipase of <i>Bacillus licheniformis</i> SCD11501. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 80-86.	1.8	18
44	Influence of phenolic compounds of Kangra tea [ <i>Camellia sinensis</i> (L) O Kuntze] on bacterial pathogens and indigenous bacterial probiotics of Western Himalayas. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 709-715.	0.8	22
45	Peroxidase(s) in Environment Protection. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	0.8	126
46	Comparative Analysis of Zinc Finger Proteins Involved in Plant Disease Resistance. <i>PLoS ONE</i> , 2012, 7, e42578.	1.1	167
47	The single functional blast resistance gene Pi54 activates a complex defence mechanism in rice. <i>Journal of Experimental Botany</i> , 2012, 63, 757-772.	2.4	85
48	Reactions of Oxidobis(quinolin-8-olato)vanadium(IV) with Hydroxamate Ligands: A Route Providing Mixed Ligand and Quinolin-8-olato-Free Vanadium(IV) Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 1310-1317.	2.0	3
49	In vitro antibacterial and antimalarial activity of dehydrophenylalanine-containing undecapeptides alone and in combination with drugs. <i>International Journal of Antimicrobial Agents</i> , 2012, 39, 146-152.	1.1	8
50	Bioresolution of benzyl glycidyl ether using whole cells of <i>Bacillus alcalophilus</i> . <i>Journal of Basic Microbiology</i> , 2012, 52, 383-389.	1.8	7
51	Catalytic potential of a nitrocellulose membrane-immobilized lipase in aqueous and organic media. <i>Journal of Applied Polymer Science</i> , 2012, 124, E37.	1.3	25
52	Coordination Compounds of Hydroxamatooxovanadium(IV) Complexes with Nitrogenous Bases and Their Antimicrobial Activities. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 855-861.	2.0	9
53	Improved production of L-asparaginase by <i>Bacillus brevis</i> cultivated in the presence of oxygen-vectors. <i>Bioresource Technology</i> , 2011, 102, 2083-2085.	4.8	30
54	Synthesis of medically important ethyl cinnamate ester by porcine pancreatic lipase immobilized on poly(AA-co-HPMA-co-EGDMA) hydrogel. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2674-2679.	1.3	11

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55	Synthesis of ethyl ferulate in organic medium using celite-immobilized lipase. <i>Bioresource Technology</i> , 2011, 102, 2162-2167.	4.8	59
56	Synthesis of Isopropyl Ferulate Using Silica-Immobilized Lipase in an Organic Medium. <i>Enzyme Research</i> , 2011, 2011, 1-8.	1.8	20
57	Enzymatic Synthesis of Isopropyl Acetate by Immobilized <i>Bacillus cereus</i> Lipase in Organic Medium. <i>Enzyme Research</i> , 2011, 2011, 1-7.	1.8	25
58	Application of different molecular techniques for deciphering genetic diversity among yeast isolates of traditional fermented food products of Western Himalayas. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1539-1547.	1.7	22
59	Purification and characterization of a low molecular mass alkaliphilic lipase of <i>Bacillus cereus</i> MTCC 8372. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2010, 57, 191-207.	0.4	19
60	Synthesis, characterization, and antibacterial activity of vanadium(IV) complexes of hydroxamic acids. <i>Journal of Coordination Chemistry</i> , 2010, 63, 176-184.	0.8	18
61	Synthesis, characterization, and antimicrobial activity of oxovanadium(IV)hydroxamate complexes. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1940-1950.	0.8	23
62	Antimicrobial and toxicological studies of some metal complexes of 4-methylpiperazine-1-carbodithioate and phenanthroline mixed ligands. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 916-922.	0.8	24
63	Synthesis of ethyl acetate employing celite-immobilized lipase of <i>Bacillus cereus</i> MTCC 8372. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2009, 56, 229-242.	0.4	22
64	Antimicrobial and toxicological studies of some metal complexes of 4-methylpiperazine-1-carbodithioate and phenanthroline mixed ligands. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 916-22.	0.8	1
65	Synthesis and mycobactericidal properties of metal complexes of isonicotinoyldithiocarbamic acid. <i>Biotechnology Letters</i> , 2008, 30, 677-680.	1.1	11
66	Short-chain ester synthesis by transesterification employing poly (MAc-DMA- <i>cl</i> -MBAm) hydrogel-bound lipase of <i>Bacillus coagulans</i> MTCC 6375. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1063-1071.	1.3	22
67	Solvent free biocatalytic synthesis of vinyl monomers by lipase immobilized on hydrogels. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3200-3209.	1.3	2
68	Synthesis of geranyl butyrate with the poly(acrylic acid-hydroxy propyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (methaeruginosa) MTCC 4713. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2681-2692.	1.3	30
69	Properties and application of poly(methacrylic acid-dodecyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (methaeruginosa) MTCC 8372 lipase for the synthesis of geranyl acetate. <i>Journal of Applied Polymer Science</i> , 2008, 110, 837-846.	1.3	34
70	Glutaraldehyde activation of polymer Nylon-6 for lipase immobilization: Enzyme characteristics and stability. <i>Bioresource Technology</i> , 2008, 99, 2566-2570.	4.8	100
71	Microbial lipases: At the interface of aqueous and non-aqueous media. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2008, 55, 265-294.	0.4	58
72	Enzymatic synthesis of isopropyl myristate using immobilized lipase from <i>Bacillus cereus</i> MTCC 8372. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2008, 55, 327-342.	0.4	25

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73	Designing acrylamide- and methacrylate-based novel supports for lipase immobilization. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3006-3016.	1.3	7
74	Properties of poly(AAc-co-HPMA-cl-EGDMA) hydrogel-bound lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713 and its use in synthesis of methyl acrylate. <i>Journal of Applied Polymer Science</i> , 2007, 104, 183-191.	1.3	20
75	Application of lipase immobilized on nylon-6 for the synthesis of butyl acetate by transesterification reaction in n-heptane. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2724-2729.	1.3	16
76	Synthesis of ethyl propionate catalyzed by poly(N-AEAAm-co-AAc)-cl-MBAm hydrogel-immobilized lipase of <i>Bacillus coagulans</i> MTCC-6375. <i>Journal of Applied Polymer Science</i> , 2007, 105, 1437-1443.	1.3	3
77	Long-term effect of mineral fertilizers and amendments on microbial dynamics in an alfisol of Western Himalayas. <i>Indian Journal of Microbiology</i> , 2007, 47, 86-89.	1.5	17
78	Pharmacological and clinical evaluation of l-asparaginase in the treatment of leukemia. <i>Critical Reviews in Oncology/Hematology</i> , 2007, 61, 208-221.	2.0	286
79	Purification and properties of a novel extra-cellular thermotolerant metallolipase of <i>Bacillus coagulans</i> MTCC-6375 isolate. <i>Protein Expression and Purification</i> , 2006, 46, 421-428.	0.6	36
80	Enhancement of Ethyl Propionate Synthesis by poly (AAc-co-HPMA-cl-MBAm)-immobilized <i>Pseudomonas aeruginosa</i> MTCC-4713, Exposed to Hg <sup>2+</sup> and NH <sub>4</sub> <sup>+</sup> ions. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2006, 53, 195-207.	0.4	12
81	Enhanced Thermostability of Silica-immobilized Lipase from <i>Bacillus coagulans</i> BTS-3 and Synthesis of Ethyl Propionate. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2006, 53, 219-231.	0.4	16
82	Purification of a Moderate Thermotolerant <i>Bacillus coagulans</i> BTS1 Lipase and its Properties in a Hydro-gel System. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2006, 53, 77-87.	0.4	5
83	Characteristics of poly(AAc5-co-HPMA3-cl-EGDMA15) hydrogel-immobilized lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4636-4644.	1.3	14
84	Methacrylic acid and dodecyl methacrylate (MAc-DMA) hydrogel for enhanced catalytic activity of lipase of <i>Bacillus coagulans</i> MTCC-6375. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1420-1426.	1.3	11
85	Catalytic potential of a poly(AAc-co-HPMA-cl MBAm)-matrix-immobilized lipase from a thermotolerant <i>Pseudomonas aeruginosa</i> MTCC-4713. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4252-4259.	1.3	2
86	Thermostability and esterification of a polyethylene-immobilized lipase from <i>Bacillus coagulans</i> BTS-3. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3986-3993.	1.3	12
87	Effect of Solvents and Kinetic Parameters on Synthesis of Ethyl Propionate Catalysed by Poly (AAc-co-HPMA-cl-MBAm)-Matrix-Immobilized Lipase of <i>Pseudomonas aeruginosa</i> BTS-2. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1037-1044.	1.7	26
88	Production, purification, and characterization of lipase from thermophilic and alkaliphilic <i>Bacillus coagulans</i> BTS-3. <i>Protein Expression and Purification</i> , 2005, 41, 38-44.	0.6	200
89	Methods for inhibition of residual lipase activity in colorimetric assay: a comparative study. <i>Indian Journal of Biochemistry and Biophysics</i> , 2005, 42, 233-7.	0.2	27
90	Properties of an immobilized lipase of <i>Bacillus coagulans</i> BTS-1. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2004, 51, 57-73.	0.4	22

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91	Biotransformation of lantadene A (22 beta-angeloyloxy-3-oxoolean-12-en-28-oic acid), the pentacyclic triterpenoid, by <i>Alcaligenes faecalis</i> . <i>Biodegradation</i> , 1999, 10, 373-381.	1.5	10
92	An immunodot blot assay for detection of thermostable protease from <i>Pseudomonas</i> sp. AFT-36 of dairy origin. <i>Letters in Applied Microbiology</i> , 1997, 25, 300-302.	1.0	24
93	Biodegradation of lantadene A, the pentacyclic triterpenoid hepatotoxin by <i>Pseudomonas pickettii</i> . <i>Letters in Applied Microbiology</i> , 1997, 24, 229-232.	1.0	9
94	Continuous production of lactic acid from molasses by free and immobilized <i>Sporolactobacillus cellulosolvens</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1995, 11, 687-688.	1.7	8
95	Differential tropism of EB rotavirus (serotype 3) to small intestine of homologous murine model. <i>Acta Virologica</i> , 1994, 38, 269-76.	0.3	13
96	Anaerobic fermentation of sheep droppings for biogas production. <i>World Journal of Microbiology and Biotechnology</i> , 1993, 9, 174-175.	1.7	21
97	Inhibition of hepatic extramedullary haemopoiesis by nucleoprotein of heterologous rotavirus strain in infant mice. <i>Acta Virologica</i> , 1993, 37, 466-74.	0.3	1
98	Specific Secretory IgA in the Milk of <i>Giardia lamblia</i> -Infected and Uninfected Women. <i>Journal of Infectious Diseases</i> , 1987, 155, 724-727.	1.9	57
99	The macrophages as an effector cell in <i>Giardia lamblia</i> infections. <i>Medical Microbiology and Immunology</i> , 1987, 176, 83-8.	2.6	7
100	Direct and antibody dependent cell mediated cytotoxicity against <i>Giardia lamblia</i> by splenic and intestinal lymphoid cells in mice. <i>Gut</i> , 1986, 27, 73-77.	6.1	30
101	Acquired resistance to <i>Giardia lamblia</i> infection in mice. <i>Tropical and Geographical Medicine</i> , 1985, 37, 32-6.	0.1	4
102	Enumeration of small intestinal lymphocyte population in <i>Giardia lamblia</i> -infected mice. <i>Journal of Diarrhoeal Diseases Research</i> , 1984, 2, 243-8.	0.0	5