

# Isaac Sarojini Bright Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,240  
citations

394421

19  
h-index

377865

34  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial resistance in aquaculture: a crisis for concern. <i>Biologia (Poland)</i> , 2020, 75, 1497-1517.	1.5	123
2	A brackishwater isolate of <i>Pseudomonas</i> PS-102, a potential antagonistic bacterium against pathogenic vibrios in penaeid and non-penaeid rearing systems. <i>Aquaculture</i> , 2006, 251, 192-200.	3.5	110
3	Establishment and characterization of India's first marine fish cell line (SISK) from the kidney of sea bass ( <i>Lates calcarifer</i> ). <i>Aquaculture</i> , 2006, 257, 92-103.	3.5	95
4	<i>Fenneropenaeus indicus</i> is protected from white spot disease by oral administration of inactivated white spot syndrome virus. <i>Diseases of Aquatic Organisms</i> , 2005, 66, 265-270.	1.0	76
5	Molecular characterization of a crustin-like antimicrobial peptide in the giant tiger shrimp, <i>Penaeus monodon</i> , and its expression profile in response to various immunostimulants and challenge with WSSV. <i>Immunobiology</i> , 2011, 216, 184-194.	1.9	75
6	Dose/frequency: A critical factor in the administration of glucan as immunostimulant to Indian white shrimp <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , 2009, 287, 248-252.	3.5	69
7	Application of primary haemocyte culture of <i>Penaeus monodon</i> in the assessment of cytotoxicity and genotoxicity of heavy metals and pesticides. <i>Marine Environmental Research</i> , 2011, 71, 169-177.	2.5	60
8	Immunostimulatory effect of a marine yeast <i>Candida sake</i> S165 in <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , 2006, 257, 150-155.	3.5	54
9	Primary hemocyte culture of <i>Penaeus monodon</i> as an in vitro model for white spot syndrome virus titration, viral and immune related gene expression and cytotoxicity assays. <i>Journal of Invertebrate Pathology</i> , 2010, 105, 312-321.	3.2	52
10	Molecular characterization of the nitrifying bacterial consortia employed for the activation of bioreactors used in brackish and marine aquaculture systems. <i>International Biodeterioration and Biodegradation</i> , 2013, 78, 74-81.	3.9	45
11	Nitrification and denitrification in recirculating aquaculture systems: the processes and players. <i>Reviews in Aquaculture</i> , 2021, 13, 2053-2075.	9.0	44
12	Production and characterization of polyhydroxybutyrate from <i>Vibrio harveyi</i> MCCB 284 utilizing glycerol as carbon source. <i>Journal of Applied Microbiology</i> , 2017, 122, 698-707.	3.1	40
13	Immobilization of nitrifying bacterial consortia on wood particles for bioaugmenting nitrification in shrimp culture systems. <i>Aquaculture</i> , 2009, 294, 65-75.	3.5	38
14	Optimization of carbon and nitrogen sources and growth factors for the production of an aquaculture probiotic ( <i>Pseudomonas</i> MCCB 103) using response surface methodology. <i>Journal of Applied Microbiology</i> , 2006, 102, 061120055200060-???	3.1	33
15	Immune gene expression profile of <i>Penaeus monodon</i> in response to marine yeast glucan application and white spot syndrome virus challenge. <i>Fish and Shellfish Immunology</i> , 2015, 43, 346-356.	3.6	32
16	Unravelling the menace: detection of antimicrobial resistance in aquaculture. <i>Letters in Applied Microbiology</i> , 2020, 71, 26-38.	2.2	28
17	Purification and characterisation of processive-type endoglucanase and $\beta$ -glucosidase from <i>Aspergillus ochraceus</i> MTCC 1810 through saccharification of delignified coir pith to glucose. <i>Bioresource Technology</i> , 2016, 213, 245-248.	9.6	25
18	Isolation and characterization of broad spectrum bacteriophages lytic to <i>Vibrio harveyi</i> from shrimp farms of Kerala, India. <i>Letters in Applied Microbiology</i> , 2014, 58, 197-204.	2.2	24

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19	Molecular characterization of a crustin-like, putative antimicrobial peptide, Fi-crustin, from the Indian white shrimp, <i>Fenneropenaeus indicus</i> . <i>Fish and Shellfish Immunology</i> , 2010, 28, 216-220.	3.6	20
20	Expression profile of bio-defense genes in <i>Penaeus monodon</i> gills in response to formalin inactivated white spot syndrome virus vaccine. <i>Antiviral Research</i> , 2015, 117, 60-68.	4.1	18
21	Application of bacterins and yeast <i>Acremonium dyospori</i> to protect the larvae of <i>Macrobrachium rosenbergii</i> from vibriosis. <i>Fish and Shellfish Immunology</i> , 2000, 10, 559-563.	3.6	17
22	<i>Synechocystis</i> MCCB 114 and 115 as putative probionts for <i>Penaeus monodon</i> post-larvae. <i>Diseases of Aquatic Organisms</i> , 2007, 74, 243-247.	1.0	16
23	Efficacy of fermented prawn shell waste as a feed ingredient for Indian white prawn, <i>Fenneropenaeus indicus</i> . <i>Aquaculture Nutrition</i> , 2006, 12, 433-442.	2.7	15
24	Marine derived compounds as binders of the White spot syndrome virus VP28 envelope protein: In silico insights from molecular dynamics and binding free energy calculations. <i>Computational Biology and Chemistry</i> , 2016, 64, 359-367.	2.3	13
25	Immortalization of shrimp lymphoid cells by hybridizing with the continuous cell line Sf9 leading to the development of <i>â€PmLyO-Sf9</i> <sup>TM</sup> . <i>Fish and Shellfish Immunology</i> , 2021, 113, 196-207.	3.6	12
26	Optimization of growth requirements of marine diatom <i>Chaetoceros muelleri</i> using Response Surface Methodology. <i>Aquaculture Research</i> , 2017, 48, 1513-1524.	1.8	11
27	<i>â€PmLyO-Sf9</i> - WSSV complex <sup>TM</sup> could be a platform for elucidating the mechanism of viral entry, cellular apoptosis and replication impediments. <i>Virology</i> , 2021, 553, 102-110.	2.4	11
28	Genetic diversity of nitrate reducing bacteria in marine and brackish water nitrifying bacterial consortia generated for activating nitrifying bioreactors in recirculating aquaculture systems. <i>Aquaculture Research</i> , 2017, 48, 5729-5740.	1.8	10
29	Attempts on producing lymphoid cell line from <i>Penaeus monodon</i> by induction with SV40-T and 12S EIA oncogenes. <i>Fish and Shellfish Immunology</i> , 2015, 47, 655-663.	3.6	9
30	Molecular Identification and Comparative Evaluation of Tropical Marine Microalgae for Biodiesel Production. <i>Marine Biotechnology</i> , 2017, 19, 328-344.	2.4	9
31	Cellular and molecular markers in monitoring the fate of lymphoid cell culture from <i>Penaeus monodon</i> Fabricius (1798). <i>Fish and Shellfish Immunology</i> , 2015, 47, 893-901.	3.6	8
32	Multifactorial interactions and optimization in biomass harvesting of marine picoalga <i>Picochlorum maculatum</i> MACC3 with different flocculants. <i>Aquaculture</i> , 2017, 474, 18-25.	3.5	8
33	Molecular characterization and phylogenetic analysis of a penaeidin-like antimicrobial peptide, Fi-penaeidin from <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , 2011, 319, 298-301.	3.5	7
34	Two isoforms of anti-lipopolysaccharide factors identified and characterized from the hemocytes of portunid crabs, <i>Portunus pelagicus</i> and <i>Scylla tranquebarica</i> . <i>Molecular Immunology</i> , 2012, 52, 258-263.	2.2	6
35	Pathological changes in <i>Fenneropenaeus indicus</i> experimentally infected with white spot virus and virus morphogenesis. <i>Journal of Invertebrate Pathology</i> , 2009, 102, 225-232.	3.2	5
36	Investigations on semiconductor sonocatalysis for the removal of pathological micro-organisms in water. <i>Desalination and Water Treatment</i> , 2015, 54, 3161-3168.	1.0	5

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37	A Novel Approach of Transducing Recombinant Baculovirus into Primary Lymphoid Cells of <i>Penaeus monodon</i> for Developing Continuous Cell Line. <i>Marine Biotechnology</i> , 2021, 23, 517-528.	2.4	4
38	Metaproteomic insights into ammonia oxidising bacterial consortium developed for bioaugmenting nitrification in aquaculture systems. <i>Biologia (Poland)</i> , 2020, 75, 1751-1757.	1.5	3
39	Pyocyanin as a safe aquaculture drug for the control of vibriosis in shrimp recirculating aquaculture system (RAS). <i>Aquaculture International</i> , 0, , .	2.2	3
40	Computational analysis of successional changes in the microbial population and community diversity of the immobilized marine nitrifying bacterial consortium in a nitrifying packed bed bioreactor. <i>3 Biotech</i> , 2020, 10, 524.	2.2	2
41	Oral administration of white spot syndrome virus surface proteins VP24 and VP28 modulates immune gene expression in <i>Penaeus monodon</i> juveniles. <i>Aquaculture Research</i> , 2022, 53, 3069-3077.	1.8	2
42	Moult-inhibiting fusion protein augments while polyclonal antisera attenuate moult stages and duration in <i>Penaeus monodon</i> . <i>General and Comparative Endocrinology</i> , 2016, 233, 32-42.	1.8	1
43	Recombinant expression and functional characterization of antimicrobial peptide crustin from <i>Artemia salina</i> . <i>Fish and Shellfish Immunology</i> , 2016, 53, 119.	3.6	0