

# Isaac Sarojini Bright Singh

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	890 citations	16 h-index	29 g-index
44 ext. papers	1,041 ext. citations	3.8 avg, IF	4.29 L-index

#	Paper	IF	Citations
40	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> , <b>2006</b> , 251, 192-200	4.4	91
39	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> , <b>2006</b> , 257, 92-103	4.4	79
38	<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> , <b>2005</b> , 66, 265-70	1.7	67
37	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> , <b>2011</b> , 216, 184-94	3.4	56
36	Dose/frequency: A critical factor in the administration of glucan as immunostimulant to Indian white shrimp <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , <b>2009</b> , 287, 248-252	4.4	54
35	Antimicrobial resistance in aquaculture: a crisis for concern. <i>Biologia (Poland)</i> , <b>2020</b> , 75, 1497-1517	1.5	51
34	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> , <b>2011</b> , 71, 169-77	3.3	51
33	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> , <b>2010</b> , 105, 312-21	2.6	45
32	Immunostimulatory effect of a marine yeast <i>Candida sake</i> S165 in <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , <b>2006</b> , 257, 150-155	4.4	42
31	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> , <b>2013</b> , 78, 74-81	4.8	39
30	Immobilization of nitrifying bacterial consortia on wood particles for bioaugmenting nitrification in shrimp culture systems. <i>Aquaculture</i> , <b>2009</b> , 294, 65-75	4.4	33
29	Production and characterization of polyhydroxybutyrate from <i>Vibrio harveyi</i> MCCB 284 utilizing glycerol as carbon source. <i>Journal of Applied Microbiology</i> , <b>2017</b> , 122, 698-707	4.7	27
28	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> , <b>2007</b> , 102, 1043-51	4.7	23
27	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> , <b>2015</b> , 43, 346-56	4.3	21
26	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> , <b>2016</b> , 213, 245-248	11	19
25	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> , <b>2010</b> , 28, 216-20	4.3	18
24	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> , <b>2015</b> , 117, 60-8	10.8	16

23	Unravelling the menace: detection of antimicrobial resistance in aquaculture. <i>Letters in Applied Microbiology</i> , <b>2020</b> , 71, 26-38	2.9	16
22	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> , <b>2014</b> , 58, 197-204	2.9	15
21	Application of bacterins and yeast <i>Acremonium dyosporii</i> to protect the larvae of <i>Macrobrachium rosenbergii</i> from vibriosis. <i>Fish and Shellfish Immunology</i> , <b>2000</b> , 10, 559-63	4.3	15
20	Nitrification and denitrification in recirculating aquaculture systems: the processes and players. <i>Reviews in Aquaculture</i> , <b>2021</b> , 13, 2053-2075	8.9	14
19	Synechocystis MCCB 114 and 115 as putative probionts for <i>Penaeus monodon</i> post-larvae. <i>Diseases of Aquatic Organisms</i> , <b>2007</b> , 74, 243-7	1.7	10
18	Optimization of growth requirements of marine diatom <i>Chaetoceros muelleri</i> using Response Surface Methodology. <i>Aquaculture Research</i> , <b>2017</b> , 48, 1513-1524	1.9	9
17	Efficacy of fermented prawn shell waste as a feed ingredient for Indian white prawn, <i>Fenneropenaeus indicus</i> . <i>Aquaculture Nutrition</i> , <b>2006</b> , 12, 433-442	3.2	9
16	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> , <b>2015</b> , 47, 893-901	4.3	7
15	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> , <b>2015</b> , 47, 655-63	4.3	7
14	Molecular characterization and phylogenetic analysis of a penaeidin-like antimicrobial peptide, Fi-penaeidin from <i>Fenneropenaeus indicus</i> . <i>Aquaculture</i> , <b>2011</b> , 319, 298-301	4.4	7
13	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> , <b>2017</b> , 48, 5729-5740	1.9	7
12	Molecular Identification and Comparative Evaluation of Tropical Marine Microalgae for Biodiesel Production. <i>Marine Biotechnology</i> , <b>2017</b> , 19, 328-344	3.4	6
11	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> , <b>2016</b> , 64, 359-367	3.6	6
10	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> , <b>2012</b> , 52, 258-63	4.3	6
9	Multifactorial interactions and optimization in biomass harvesting of marine picoalga <i>Picochlorum maculatum</i> MACC3 with different flocculants. <i>Aquaculture</i> , <b>2017</b> , 474, 18-25	4.4	5
8	Investigations on semiconductor sonocatalysis for the removal of pathological micro-organisms in water. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 3161-3168		4
7	WmLyO-Sf9 - WSSV complex would be a platform for elucidating the mechanism of viral entry, cellular apoptosis and replication impediments. <i>Virology</i> , <b>2021</b> , 553, 102-110	3.6	3
6	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> , <b>2020</b> , 10, 524	2.8	2

5	Metaproteomic insights into ammonia oxidising bacterial consortium developed for bioaugmenting nitrification in aquaculture systems. <i>Biologia (Poland)</i> , <b>2020</b> , 75, 1751-1757	1.5	2
4	Pathological changes in <i>Fenneropenaeus indicus</i> experimentally infected with white spot virus and virus morphogenesis. <i>Journal of Invertebrate Pathology</i> , <b>2009</b> , 102, 225-32	2.6	2
3	Immortalization of shrimp lymphoid cells by hybridizing with the continuous cell line Sf9 leading to the development of WmLyO-Sf9 W <i>Fish and Shellfish Immunology</i> , <b>2021</b> , 113, 196-207	4.3	2
2	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> , <b>2021</b> , 23, 517-528	3.4	2
1	Moult-inhibiting fusion protein augments while polyclonal antisera attenuate moult stages and duration in <i>Penaeus monodon</i> . <i>General and Comparative Endocrinology</i> , <b>2016</b> , 233, 32-42	3	1