Isaac Sarojini Bright Singh

List of Publications by Year in Descending Order

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	Immortalization of shrimp lymphoid cells by hybridizing with the continuous cell line Sf9 leading to the development of WPmLyO-Sf9 W*Fish and Shellfish Immunology*, **2021**, 113, 196-207	4.3	2
39	WPmLyO-Sf9 - WSSV complexWould be a platform for elucidating the mechanism of viral entry, cellular apoptosis and replication impediments. *Virology*, **2021**, 553, 102-110	3.6	3
38	Nitrification and denitrification in recirculating aquaculture systems: the processes and players. *Reviews in Aquaculture*, **2021**, 13, 2053-2075	8.9	14
37	A Novel Approach of Transducing Recombinant Baculovirus into Primary Lymphoid Cells of Penaeus monodon for Developing Continuous Cell Line. *Marine Biotechnology*, **2021**, 23, 517-528	3.4	2
36	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. *3 Biotech*, **2020**, 10, 524	2.8	2
35	Unravelling the menace: detection of antimicrobial resistance in aquaculture. *Letters in Applied Microbiology*, **2020**, 71, 26-38	2.9	16
34	Antimicrobial resistance in aquaculture: a crisis for concern. *Biologia (Poland)*, **2020**, 75, 1497-1517	1.5	51
33	Metaproteomic insights into ammonia oxidising bacterial consortium developed for bioaugmenting nitrification in aquaculture systems. *Biologia (Poland)*, **2020**, 75, 1751-1757	1.5	2
32	Optimization of growth requirements of marine diatom Chaetoceros muelleri using Response Surface Methodology. *Aquaculture Research*, **2017**, 48, 1513-1524	1.9	9
31	Molecular Identification and Comparative Evaluation of Tropical Marine Microalgae for Biodiesel Production. *Marine Biotechnology*, **2017**, 19, 328-344	3.4	6
30	Multifactorial interactions and optimization in biomass harvesting of marine picoalga Picochlorum maculatum MACC3 with different flocculants. *Aquaculture*, **2017**, 474, 18-25	4.4	5
29	Production and characterization of polyhydroxybutyrate from Vibrio harveyi MCCB 284 utilizing glycerol as carbon source. *Journal of Applied Microbiology*, **2017**, 122, 698-707	4.7	27
28	Genetic diversity of nitrate reducing bacteria in marine and brackish water nitrifying bacterial consortia generated for activating nitrifying bioreactors in recirculating aquaculture systems. *Aquaculture Research*, **2017**, 48, 5729-5740	1.9	7
27	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. *Computational Biology and Chemistry*, **2016**, 64, 359-367	3.6	6
26	Moult-inhibiting fusion protein augments while polyclonal antisera attenuate moult stages and duration in Penaeus monodon. *General and Comparative Endocrinology*, **2016**, 233, 32-42	3	1
25	Purification and characterisation of processive-type endoglucanase and β-glucosidase from Aspergillus ochraceus MTCC 1810 through saccharification of delignified coir pith to glucose. *Bioresource Technology*, **2016**, 213, 245-248	11	19
24	Cellular and molecular markers in monitoring the fate of lymphoid cell culture from Penaeus monodon Fabricius (1798). *Fish and Shellfish Immunology*, **2015**, 47, 893-901	4.3	7

23	Expression profile of bio-defense genes in Penaeus monodon gills in response to formalin inactivated white spot syndrome virus vaccine. *Antiviral Research*, **2015**, 117, 60-8	10.8	16
22	Attempts on producing lymphoid cell line from Penaeus monodon by induction with SV40-T and 12S EIA oncogenes. *Fish and Shellfish Immunology*, **2015**, 47, 655-63	4.3	7
21	Immune gene expression profile of Penaeus monodon in response to marine yeast glucan application and white spot syndrome virus challenge. *Fish and Shellfish Immunology*, **2015**, 43, 346-56	4.3	21
20	Investigations on semiconductor sonocatalysis for the removal of pathological micro-organisms in water. *Desalination and Water Treatment*, **2015**, 54, 3161-3168		4
19	Isolation and characterization of broad spectrum bacteriophages lytic to Vibrio harveyi from shrimp farms of Kerala, India. *Letters in Applied Microbiology*, **2014**, 58, 197-204	2.9	15
18	Molecular characterization of the nitrifying bacterial consortia employed for the activation of bioreactors used in brackish and marine aquaculture systems. *International Biodeterioration and Biodegradation*, **2013**, 78, 74-81	4.8	39
17	Two isoforms of anti-lipopolysaccharide factors identified and characterized from the hemocytes of portunid crabs, Portunus pelagicus and Scylla tranquebarica. *Molecular Immunology*, **2012**, 52, 258-63	4.3	6
16	Molecular characterization and phylogenetic analysis of a penaeidin-like antimicrobial peptide, Fi-penaeidin from Fenneropenaeus indicus. *Aquaculture*, **2011**, 319, 298-301	4.4	7
15	Molecular characterization of a crustin-like antimicrobial peptide in the giant tiger shrimp, Penaeus monodon, and its expression profile in response to various immunostimulants and challenge with WSSV. *Immunobiology*, **2011**, 216, 184-94	3.4	56
14	Application of primary haemocyte culture of Penaeus monodon in the assessment of cytotoxicity and genotoxicity of heavy metals and pesticides. *Marine Environmental Research*, **2011**, 71, 169-77	3.3	51
13	Primary hemocyte culture of Penaeus monodon as an in vitro model for white spot syndrome virus titration, viral and immune related gene expression and cytotoxicity assays. *Journal of Invertebrate Pathology*, **2010**, 105, 312-21	2.6	45
12	Molecular characterization of a crustin-like, putative antimicrobial peptide, Fi-crustin, from the Indian white shrimp, Fenneropenaeus indicus. *Fish and Shellfish Immunology*, **2010**, 28, 216-20	4.3	18
11	Pathological changes in Fenneropenaeus indicus experimentally infected with white spot virus and virus morphogenesis. *Journal of Invertebrate Pathology*, **2009**, 102, 225-32	2.6	2
10	Dose/frequency: A critical factor in the administration of glucan as immunostimulant to Indian white shrimp Fenneropenaeus indicus. *Aquaculture*, **2009**, 287, 248-252	4.4	54
9	Immobilization of nitrifying bacterial consortia on wood particles for bioaugmenting nitrification in shrimp culture systems. *Aquaculture*, **2009**, 294, 65-75	4.4	33
8	Synechocystis MCCB 114 and 115 as putative probionts for Penaeus monodon post-larvae. *Diseases of Aquatic Organisms*, **2007**, 74, 243-7	1.7	10
7	Optimization of carbon and nitrogen sources and growth factors for the production of an aquaculture probiotic (Pseudomonas MCCB 103) using response surface methodology. *Journal of Applied Microbiology*, **2007**, 102, 1043-51	4.7	23
6	A brackishwater isolate of Pseudomonas PS-102, a potential antagonistic bacterium against pathogenic vibrios in penaeid and non-penaeid rearing systems. *Aquaculture*, **2006**, 251, 192-200	4.4	91

5	Establishment and characterization of India's first marine fish cell line (SISK) from the kidney of sea bass (Lates calcarifer). *Aquaculture*, **2006**, 257, 92-103	4.4	79
4	Immunostimulatory effect of a marine yeast Candida sake S165 in Fenneropenaeus indicus. *Aquaculture*, **2006**, 257, 150-155	4.4	42
3	Efficacy of fermented prawn shell waste as a feed ingredient for Indian white prawn, Fenneropenaeus indicus. *Aquaculture Nutrition*, **2006**, 12, 433-442	3.2	9
2	Fenneropenaeus indicus is protected from white spot disease by oral administration of inactivated white spot syndrome virus. *Diseases of Aquatic Organisms*, **2005**, 66, 265-70	1.7	67
1	Application of bacterins and yeast Acremonium dyosporii to protect the larvae of Macrobrachium rosenbergii from vibriosis. *Fish and Shellfish Immunology*, **2000**, 10, 559-63	4.3	15