

# Muthuvel Arumugam

## List of Publications by Citations

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34  
papers

735  
citations

15  
h-index

27  
g-index

37  
ext. papers

887  
ext. citations

3.5  
avg, IF

4.07  
L-index

#	Paper	IF	Citations
34	Isolation and characterization of thermostable collagen from the marine eel-fish ( <i>Evenchelys macrura</i> ). <i>Process Biochemistry</i> , <b>2013</b> , 48, 1592-1602	4.8	110
33	Isolation and characterization of collagen from the outer skin of squid ( <i>Doryteuthis singhalensis</i> ). <i>Food Hydrocolloids</i> , <b>2015</b> , 43, 708-716	10.6	91
32	Antioxidant activity and anticancer effect of bioactive peptide from enzymatic hydrolysate of oyster ( <i>Saccostrea cucullata</i> ). <i>Biomedicine and Preventive Nutrition</i> , <b>2014</b> , 4, 343-353		83
31	Intestinal mast cell levels control severity of oral antigen-induced anaphylaxis in mice. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 1535-46	5.8	66
30	Isolation and characterization of acid and pepsin-solubilized collagen from the skin of sailfish ( <i>Istiophorus platypterus</i> ). <i>Food Research International</i> , <b>2013</b> , 54, 1499-1505	7	62
29	In vitro antioxidant properties and FTIR analysis of two seaweeds of Gulf of Mannar. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2011</b> , 1, S66-S70	1.4	37
28	Evaluation of astaxanthin incorporated collagen film developed from the outer skin waste of squid <i>Doryteuthis singhalensis</i> for wound healing and tissue regenerative applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 29-42	8.3	35
27	Cell type and gender-dependent differential regulation of the p202 and Aim2 proteins: implications for the regulation of innate immune responses in SLE. <i>Molecular Immunology</i> , <b>2011</b> , 49, 273-80	4.3	34
26	Isolation and characterization of hyaluronic acid from the liver of marine stingray <i>Aetobatus narinari</i> . <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 54, 84-9	7.9	26
25	Isolation and characterization of drug delivering potential of type-I collagen from eel fish <i>Evenchelys macrura</i> . <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 1729-38	4.5	26
24	Isolation, characterization and antioxidant activity of hyaluronic acid from marine bivalve mollusc <i>Amusium pleuronectus</i> (Linnaeus, 1758). <i>Bioactive Carbohydrates and Dietary Fibre</i> , <b>2013</b> , 2, 1-7	3.4	22
23	Isolation and characterization of hyaluronic acid from marine organisms. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 61-77	6	18
22	Preliminary investigation on antimicrobial and proteolytic property of the epidermal mucus secretion of marine stingrays. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2011</b> , 1, S239-S243	1.4	17
21	Purification and Characterization of Antioxidant Peptides from Oyster ( <i>Saccostrea cucullata</i> ) Hydrolysate and the Anticancer Activity of Hydrolysate on Human Colon Cancer Cell Lines. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2014</b> , 20, 231-243	2.1	16
20	Increased susceptibility of 129SvEvBrd mice to IgE-Mast cell mediated anaphylaxis. <i>BMC Immunology</i> , <b>2011</b> , 12, 14	3.7	16
19	Distribution of Tetraodontiformes (Family: Tetraodontidae) along the Parangipettai Coast, Southeast coast of India. <i>Zootaxa</i> , <b>2011</b> , 3015, 1	0.5	10
18	Formulation of alginate based hydrogel from brown seaweed, for biomedical applications. <i>Heliyon</i> , <b>2019</b> , 5, e02916	3.6	10

17	Fibrinolytic and anticoagulant activities in the tissue covering the stingers of marine stingrays <i>Dasyatis sephen</i> and <i>Aetobatis narinari</i> . <i>Journal of Thrombosis and Thrombolysis</i> , <b>2011</b> , 31, 464-71	5.1	9
16	Antiproliferative activity of marine stingray <i>Dasyatis sephen</i> venom on human cervical carcinoma cell line. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , <b>2015</b> , 21, 41	2.2	8
15	Screening of antiangiogenic potential of twenty two marine invertebrate extracts of phylum Mollusca from South East Coast of India. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2014</b> , 4, S129-38	1.4	7
14	Studies on bioprospecting potential of a gastropod mollusc <i>Cantharus tranquebaricus</i> (Gmelin, 1791). <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2012</b> , 2, 759-64	1.4	7
13	Isolation and structural elucidation of antioxidant peptides from oyster ( <i>Saccostrea cucullata</i> ) protein hydrolysate. <i>Protein and Peptide Letters</i> , <b>2014</b> , 21, 1073-83	1.9	7
12	Biomedical Potential of Astaxanthin from Novel Endophytic Pigment Producing Bacteria <i>Pontibacter korensis</i> AG6. <i>Waste and Biomass Valorization</i> , <b>2021</b> , 12, 2119-2129	3.2	4
11	Studies on biochemical and biomedical properties of <i>Conus betulinus</i> venom. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2014</b> , 4, S102-S110		3
10	Antioxidant Properties of Protein Hydrolysate Obtained from Oyster <i>Saccostrea cucullata</i> (Born, 1778). <i>Journal of Aquatic Food Product Technology</i> , <b>2015</b> , 24, 502-515	1.6	2
9	Isolation and characterization of biologically active venom protein from sea snake <i>Enhydrina schistosa</i> . <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2015</b> , 29, 140-7	3.4	2
8	Antagonistic and Cyto-Toxicity Activity of Mollusc Methanol Extracts. <i>Journal of Biological Sciences</i> , <b>2013</b> , 14, 60-66	0.4	2
7	Isolation and Identification of Cytotoxic and Biological Active Toxin from the Puffer Fish <i>Arothron stellatus</i> . <i>Toxicological Research</i> , <b>2016</b> , 32, 215-23	3.7	2
6	Biological and Biochemical Potential of Sea Snake Venom and Characterization of Phospholipase A2 and Anticoagulation Activity. <i>Indian Journal of Clinical Biochemistry</i> , <b>2016</b> , 31, 57-67	2.2	1
5	Biological activities of heparan sulfate. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 125-135	6	1
4	Chondroitin Sulfate from Marine Invertebrates <b>2020</b> , 1051-1063		1
3	In Vitro Studies and Characterization of Tissue Protein from Green Mussel, <i>Perna viridis</i> (Linnaeus, 1758) for Antioxidant and Antibacterial Potential. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2020</b> , 26, 159-169	2.1	0
2	Bio Prospecting the Enzymatic and Anticancer Potential of Spine Secretions of Marine Catfish ( <i>Plotosus lineatus</i> ). <i>Journal of Biologically Active Products From Nature</i> , <b>2015</b> , 5, 406-418	0.7	
1	Anti-cancer Properties of Protein Hydrolysate from the Posterior Salivary Gland of <i>Amphioctopus membranaceus</i> (Quoy & Gaimard, 1832). <i>International Journal of Peptide Research and Therapeutics</i> , <b>2020</b> , 26, 1429-1436	2.1	