

## Accepted Manuscript

Bio-mining drugs from the sea: High antibiofilm properties of haemocyanin purified from the haemolymph of flower crab *Portunus pelagicus* (L.) (Decapoda: Portunidae)

Ramachandran Ishwarya, Baskaralingam Vaseeharan, Rengarajan Jayakumar, Venkatachalam Ramasubramanian, Marimuthu Govindarajan, Naiyf S. Alharbi, Jamal M. Khaled, Mohammed N. Al-anbr, Giovanni Benelli



PII: S0044-8486(17)31692-7  
DOI: <https://doi.org/10.1016/j.aquaculture.2018.02.014>  
Reference: AQUA 633062  
To appear in: *aquaculture*  
Received date: 22 August 2017  
Revised date: 1 February 2018  
Accepted date: 8 February 2018

Please cite this article as: Ramachandran Ishwarya, Baskaralingam Vaseeharan, Rengarajan Jayakumar, Venkatachalam Ramasubramanian, Marimuthu Govindarajan, Naiyf S. Alharbi, Jamal M. Khaled, Mohammed N. Al-anbr, Giovanni Benelli , Bio-mining drugs from the sea: High antibiofilm properties of haemocyanin purified from the haemolymph of flower crab *Portunus pelagicus* (L.) (Decapoda: Portunidae). The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Aqua(2017), <https://doi.org/10.1016/j.aquaculture.2018.02.014>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Bio-mining drugs from the sea: high antibiofilm properties of haemocyanin purified from the haemolymph of flower crab *Portunus pelagicus* (L.) (Decapoda: Portunidae)**

Ramachandran Ishwarya<sup>1</sup>, Baskaralingam Vaseeharan <sup>1\*</sup>, Rengarajan Jayakumar<sup>2</sup>, Venkatachalam Ramasubramanian<sup>3</sup>, Marimuthu Govindarajan <sup>4,5</sup>, Naiyf S. Alharbi<sup>6</sup>, Jamal M. Khaled<sup>6</sup>, Mohammed N. Al-anbr<sup>6</sup>, Giovanni Benelli <sup>7,8</sup>

<sup>1</sup>Crustacean Molecular Biology and Genomics Division, Biomaterials and Biotechnology in Animal Health Lab, Department of Animal Health and Management, Alagappa University, Science Block, 6<sup>th</sup> floor, Burma Colony, Karaikudi 630 004, Tamil Nadu, India

<sup>2</sup>Central Marine Fisheries Institute, Mandabam Camp, Ramnad, Tamil Nadu, India

<sup>3</sup>Division of Aquatic Biotechnology and Live Feed Culture, Department of Zoology, Bharathiyar University, Coimbatore 641 046, Tamil Nadu, India.

<sup>4</sup>Unit of Vector Control, Photochemistry and Nanotechnology, Department of Zoology, Annamalai University, Annamalainagar 608 002, Tamil Nadu, India

<sup>5</sup>Department of Zoology, Government College for Women, Kumbakonam 602 001, Tamil Nadu, India

<sup>6</sup>Department of Botany and Microbiology, College of Science, King Saud University, Riyadh 11451, Saudi Arabia

<sup>7</sup>Department of Agriculture, Food and Environment, University of Pisa, Via del Borghetto 80, 56124 Pisa, Italy

<sup>8</sup>The BioRobotics Institute, Scuola Superiore Sant'Anna, Viale Rinaldo Piaggio 34, 56025 Pontedera, Pisa, Italy

Download English Version:

<https://daneshyari.com/en/article/8493345>

Download Persian Version:

<https://daneshyari.com/article/8493345>

[Daneshyari.com](https://daneshyari.com)