

Supporting information

Larvicidal Enzyme Inhibition and Repellent Activity of Red Mangrove *Rhizophora mucronata* (Lam.) Leaf Extracts and Their Biomolecules Against Three Medically Challenging Arthropod Vectors

Sengodan Karthi ^{1,2}, Karthic Uthirarajan ^{1,†}, Vinothkumar Manohar ^{1,†}, Manigandan Venkatesan ^{3,4,†}, Kamaraj Chinnaperumal ⁵, Prabhakaran Vasantha-Srinivasan ⁶ and Patcharin Krutmuang ^{7,8,*}

¹ Department of Biochemistry, Centre for Biological Sciences, K.S. Rangasamy College of Arts and Science (Autonomous), Namakkal, Tiruchengode Tamil Nadu 637 215, India; karthientomology@gmail.com(S.K.); uk2147karthic@gmail.com(K.U.); vinothvk02@gmail.com(V.M.)

² Division of Biopesticides and Environmental Toxicology, Sri Paramakalyani Centre for Excellence in Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi, Tirunelveli Tamil Nadu 627 412, India

³ Department of Biomedical Engineering, College of Engineering, Michigan State University, East Lansing, MI 48824, USA; manisscience@gmail.com

⁴ Chettinad Academy of Research and Education, Kelambakkam, Chennai Tamil Nadu 603 103, India.

⁵ Department of Biotechnology, Periyar University, Salem Tamil Nadu 636 011, India; mullaikamaraj@gmail.com

⁶ Department of Biotechnology, St. Peter's Institute of Higher Education and Research, Avadi, Chennai Tamil Nadu 600 054, India; vasanth.bmg@gmail.com

⁷ Department of Entomology and Plant Pathology, Faculty of Agriculture, Chiang Mai University, Muang Chiang Mai 50200, Thailand

⁸ Innovative Agriculture Research Center, Faculty of Agriculture, Chiang Mai University, Chiang Mai 50200, Thailand

* Correspondence: patcharink26@gmail.com

† These authors contributed equally to this work.

Academic Editor: Giovanni Benelli

Received: 3 August 2020; Accepted: 21 August 2020; Published: date

Figure 1. *Rhizophora mucronata* (A) whole plant and (B) stem and leaf.

