

# Marimuthu Govindarajan

## List of Publications by Year in descending order

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192  
papers

7,219  
citations

38552

50  
h-index

83414

72  
g-index

197  
all docs

197  
docs citations

197  
times ranked

6954  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Synthesis and characterisation of magnesium-wrapped hydroxyapatite nanomaterials for biomedical applications. <i>Surfaces and Interfaces</i> , 2024, 44, 103779.   | 3.2 | 2         |
| 2  | Development of Biodegradable Bioplastics with Sericin and Gelatin from Silk Cocoons and Fish Waste. <i>Toxics</i> , 2024, 12, 453.   | 3.8 | 0         |
| 3  | Impact of <i>Chaetomorpha aerea</i> -enriched diet on growth, feed utilization, and haemato-immunological responses in <i>Clarias batrachus</i> challenged with <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2024, 196, 106962.                               | 2.9 | 0         |
| 4  | Synthesis of zinc oxide nanoparticles using <i>Vigna mungo</i> seed husk extract: An enhanced antibacterial, anticancer activity and eco-friendly bio-toxicity assessment on algae and zooplankton. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 79, 104002. | 3.1 | 8         |
| 5  | Synthesis of Tungsten Oxide Nanoflakes and Their Antibacterial and Photocatalytic Properties. <i>Fermentation</i> , 2023, 9, 54.   | 3.1 | 3         |
| 6  | Fishing Cat Scats as a Biomonitoring Tool for Toxic Heavy Metal Contamination in Aquatic Ecosystems. <i>Toxics</i> , 2023, 11, 173.  | 3.8 | 1         |
| 7  | Investigations on evaluation of marine macroalgae <i>Dictyota bartayresiana</i> oil for industrial scale production of biodiesel through technoeconomic analysis. <i>Bioresource Technology</i> , 2023, 374, 128769.   | 9.7 | 16        |
| 8  | Dual strategy for bioconversion of elephant grass biomass into fermentable sugars using <i>Trichoderma reesei</i> towards bioethanol production. <i>Bioresource Technology</i> , 2023, 374, 128804.  | 9.7 | 5         |
| 9  | Biochemical, Genotoxic and Histological Implications of Polypropylene Microplastics on Freshwater Fish <i>Oreochromis mossambicus</i> : An Aquatic Eco-Toxicological Assessment. <i>Toxics</i> , 2023, 11, 282.  | 3.8 | 18        |
| 10 | Green Synthesis, Characterization and Bioactivity of <i>Mangifera indica</i> Seed-Wrapped Zinc Oxide Nanoparticles. <i>Molecules</i> , 2023, 28, 2818.   | 3.9 | 10        |
| 11 | Green Synthesis of Copper Oxide Nanoparticles Using <i>Sesbania grandiflora</i> Leaf Extract and Their Evaluation of Anti-Diabetic, Cytotoxic, Anti-Microbial, and Anti-Inflammatory Properties in an In-Vitro Approach. <i>Fermentation</i> , 2023, 9, 332.                   | 3.1 | 26        |
| 12 | Exopolysaccharides-Mediated ZnO Nanoparticles for the Treatment of Aquatic Diseases in Freshwater Fish <i>Oreochromis mossambicus</i> . <i>Toxics</i> , 2023, 11, 313.   | 3.8 | 6         |
| 13 | Insecticidal Potential of <i>Matricaria chamomilla</i> ™s Essential Oil and Its Components (E)- $\beta$ -Farnesene, Germacrene D, and $\pm$ -Bisabolol Oxide A against Agricultural Pests, Malaria, and Zika Virus Vectors. <i>Agriculture (Switzerland)</i> , 2023, 13, 779.  | 3.1 | 8         |
| 14 | Probiotic-Bacteria ( <i>Lactobacillus fermentum</i> )-Wrapped Zinc Oxide Nanoparticles: Biosynthesis, Characterization, and Antibacterial Activity. <i>Fermentation</i> , 2023, 9, 413.  | 3.1 | 9         |
| 15 | <i>Terminalia chebula</i> -Assisted Silver Nanoparticles: Biological Potential, Synthesis, Characterization, and Ecotoxicity. <i>Biomedicines</i> , 2023, 11, 1472.  | 3.3 | 17        |
| 16 | Novel Essential Oils Blend as a Repellent and Toxic Agent against Disease-Transmitting Mosquitoes. <i>Toxics</i> , 2023, 11, 517.  | 3.8 | 2         |
| 17 | Synthesis and Characterization of Mithun ( <i>Bos frontalis</i> ) Urine-Based Antibacterial Copper Oxide Nanoparticles. <i>Biomedicines</i> , 2023, 11, 1690.  | 3.3 | 5         |
| 18 | Biofuel Production from Mango and Orange Peel and Tapioca Shells by Fermentation Using Consortium of Bacteria: Agricultural and Food Waste Valorization. <i>Fermentation</i> , 2023, 9, 678.   | 3.1 | 0         |

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|----|--|-----|-----------|
| 19 | Biochemical Patterns and Genotoxicity of the Endocrine Disruptor Metformin in the Freshwater Fish <i>Labeo rohita</i> . <i>Fishes</i> , 2023, 8, 380.  | 1.7 | 3         |
| 20 | <i>Padina boergesenii</i> -Mediated Copper Oxide Nanoparticles Synthesis, with Their Antibacterial and Anticancer Potential. <i>Biomedicines</i> , 2023, 11, 2285.   | 3.3 | 12        |
| 21 | Comparative Analysis of Cellulosic Ethanol Production from Lignocellulosic Substrate <i>Moringa oleifera</i> Using <i>Kluyveromyces marxianus</i> and <i>Zymomonas mobilis</i> . <i>Fermentation</i> , 2023, 9, 840.   | 3.1 | 1         |
| 22 | Heavy Metals in Wetland Ecosystem: Investigating Metal Contamination in Waterbirds via Primary Feathers and Its Effect on Population and Diversity. <i>Soil Systems</i> , 2023, 7, 104.  | 2.7 | 1         |
| 23 | The dietary supplementation of zinc oxide and selenium nanoparticles enhance the immune response in freshwater fish <i>Oreochromis mossambicus</i> against aquatic pathogen <i>Aeromonas hydrophila</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 69, 126878. | 3.2 | 8         |
| 24 | Characterization of secondary metabolites from Lamiaceae plant leaf essential oil: A novel perspective to combat medical and agricultural pests. <i>Physiological and Molecular Plant Pathology</i> , 2022, 117, 101752.   | 2.6 | 10        |
| 25 | Green synthesis, characterization and biological activity of <i>Solanum trilobatum</i> -mediated silver nanoparticles. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2131-2137.  | 3.9 | 13        |
| 26 | Green synthesis of zinc oxide nanoparticles using <i>Anoectochilus elatus</i> , and their biomedical applications. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2270-2279.  | 3.9 | 34        |
| 27 | $\beta$ -1,3-Glucan binding protein-based silver nanoparticles enhance the wound healing potential and disease resistance in <i>Oreochromis mossambicus</i> against <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2022, 162, 105360.                                   | 2.9 | 5         |
| 28 | Molecular interaction analysis of $\beta$ -1, 3 glucan binding protein with <i>Bacillus licheniformis</i> and evaluation of its immunostimulant property in <i>Oreochromis mossambicus</i> . <i>Fish and Shellfish Immunology</i> , 2022, 121, 183-196.                                | 3.7 | 2         |
| 29 | Changes in the contour of karyology and histoarchitecture of the primary respiratory organ in the fish <i>Oreochromis mossambicus</i> (Peters, 1852) inhabiting the polluted estuarine ecosystem. <i>Environmental Pollution</i> , 2022, 295, 118682.                                  | 7.7 | 0         |
| 30 | Synthesis and characterization of Ce-doped $\text{TiO}_2$ nanoparticles and their enhanced anticancer activity in Y79 retinoblastoma cancer cells. <i>Green Processing and Synthesis</i> , 2022, 11, 143-149.  | 3.5 | 19        |
| 31 | Facile synthesis of silver nanoparticles using the <i>Simarouba glauca</i> leaf extract and their impact on biological outcomes: A novel perspective for nano-drug development. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103160.                             | 3.1 | 6         |
| 32 | Synthesis of Cu-MOF/CeO <sub>2</sub> nanocomposite and their evaluation of hydrogen production and cytotoxic activity. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1732-1745.  | 5.9 | 21        |
| 33 | Toxicity evaluation of polypropylene microplastic on marine microcrustacean <i>Artemia salina</i> : An analysis of implications and vulnerability. <i>Chemosphere</i> , 2022, 296, 133990.   | 8.4 | 54        |
| 34 | Synthesis and physicochemical characteristics of Ag-doped hydroxyapatite nanoparticles, and their potential biomedical applications. <i>Environmental Research</i> , 2022, 210, 112979.  | 7.7 | 21        |
| 35 | <i>Azadirachta indica</i> -wrapped copper oxide nanoparticles as a novel functional material in cardiomyocyte cells: An ecotoxicity assessment on the embryonic development of <i>Danio rerio</i> . <i>Environmental Research</i> , 2022, 212, 113153.                                 | 7.7 | 7         |
| 36 | Swift synthesis of zinc oxide nanoparticles using unripe fruit extract of <i>Pergularia daemia</i> : An enhanced and eco-friendly control agent against Zika virus vector <i>Aedes aegypti</i> . <i>Acta Tropica</i> , 2022, 232, 106489.  | 2.0 | 4         |

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|----|---|-----|-----------|
| 37 | Comparative toxicity of silver nanoparticles and silver nitrate in freshwater fish <i>Oreochromis mossambicus</i> : A multi-biomarker approach. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 259, 109391.       | 2.7 | 15        |
| 38 | Biomimetically synthesized <i>Physalis minima</i> fruit extract-based zinc oxide nanoparticles as eco-friendly biomaterials for biological applications. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 73, 103475.                             | 3.1 | 5         |
| 39 | Assessment of the Toxic Effects of Heavy Metals on Waterbirds and Their Prey Species in Freshwater Habitats. <i>Toxics</i> , 2022, 10, 641.   | 3.8 | 7         |
| 40 | Antibacterial and Antibiofilm Potential of Microbial Polysaccharide Overlaid Zinc Oxide Nanoparticles and Selenium Nanowire. <i>Fermentation</i> , 2022, 8, 637.  | 3.1 | 2         |
| 41 | Analysis of Toxic Heavy Metals in the Pellets of Owls: A Novel Approach for the Evaluation of Environmental Pollutants. <i>Toxics</i> , 2022, 10, 693.  | 3.8 | 2         |
| 42 | Synthesis, Characterization, Antibacterial, Antifungal, Antioxidant, and Anticancer Activities of Nickel-Doped Hydroxyapatite Nanoparticles. <i>Fermentation</i> , 2022, 8, 677.  | 3.1 | 9         |
| 43 | Novel Biogenic Synthesis of Silver Nanoparticles Using <i>Alstonia venenata</i> Leaf Extract: An Enhanced Mosquito Larvicidal Agent with Negligible Impact on Important Eco-biological Fish and Insects. <i>Journal of Cluster Science</i> , 2021, 32, 489-497. | 3.3 | 8         |
| 44 | Synthesis and Bio-physical Characterization of Crustin Capped Zinc Oxide Nanoparticles, and Their Photocatalytic, Antibacterial, Antifungal and Antibiofilm Activity. <i>Journal of Cluster Science</i> , 2021, 32, 843-855.                                    | 3.3 | 8         |
| 45 | Phytochemical analysis and fabrication of silver nanoparticles using <i>Acacia catechu</i> : An efficacious and ecofriendly control tool against selected polyphagous insect pests. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 148-156.            | 3.9 | 23        |
| 46 | Cellulase immobilized magnetic nanoparticles for green energy production from <i>Allamanda schottii</i> L: Sustainability research in waste recycling. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 901-910.   | 3.9 | 18        |
| 47 | An assessment of level of heavy metals pollution in the water, sediment and aquatic organisms: A perspective of tackling environmental threats for food security. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1218-1225.                            | 3.9 | 82        |
| 48 | A review on biological carbon sequestration: A sustainable solution for a cleaner air environment, less pollution and lower health risks. <i>Journal of King Saud University - Science</i> , 2021, 33, 101282.  | 3.6 | 42        |
| 49 | Green synthesis of ZnO nanoparticles for antimicrobial and vegetative growth applications: A novel approach for advancing efficient high quality health care to human wellbeing. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1808-1815.             | 3.9 | 76        |
| 50 | Facile synthesis of gold and platinum doped titanium oxide nanoparticles for antibacterial and photocatalytic activity: A photodynamic approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102148.   | 2.7 | 13        |
| 51 | Factors determine the population characteristics of migratory shorebirds and their prey species in the coastal salt pans. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 260, 107490.  | 2.1 | 5         |
| 52 | Facile synthesis and characterization of ZnO nanoparticles using <i>Abutilon indicum</i> leaf extract: An eco-friendly nano-drug on human microbial pathogens. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102917.                       | 3.1 | 12        |
| 53 | Synthesis of greener silver nanoparticle-based chitosan nanocomposites and their potential antimicrobial activity against oral pathogens. <i>Green Processing and Synthesis</i> , 2021, 10, 658-665.  | 3.5 | 15        |
| 54 | Antibacterial greener silver nanoparticles synthesized using <i>Marsilea quadrifolia</i> extract and their eco-friendly evaluation against Zika virus vector, <i>Aedes aegypti</i> . <i>Green Processing and Synthesis</i> , 2021, 10, 742-755.                 | 3.5 | 4         |

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|----|--|-----|-----------|
| 55 | Isolation of $\beta$ -glucan from <i>Eleusine coracana</i> and its antibiofilm, antidiabetic, antioxidant, and biocompatible activities. <i>Microbial Pathogenesis</i> , 2020, 140, 103955.  | 2.9 | 15        |
| 56 | $\beta$ -glucan extracted from eukaryotic single-celled microorganism <i>Saccharomyces cerevisiae</i> : Dietary supplementation and enhanced ammonia stress tolerance on <i>Oreochromis mossambicus</i> . <i>Microbial Pathogenesis</i> , 2020, 139, 103917.   | 2.9 | 26        |
| 57 | Impact of pesticide monocrotophos on microbial populations and histology of intestine in the Indian earthworm <i>Lampito mauritii</i> (Kinberg). <i>Microbial Pathogenesis</i> , 2020, 139, 103893.  | 2.9 | 21        |
| 58 | Biogenic synthesis of aromatic cardamom-wrapped zinc oxide nanoparticles and their potential antibacterial and mosquito larvicidal activity: An effective eco-friendly approach. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104466.   | 6.9 | 32        |
| 59 | Photocatalytic, antiproliferative and antimicrobial properties of copper nanoparticles synthesized using <i>Manilkara zapota</i> leaf extract: A photodynamic approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 32, 102058.   | 2.7 | 36        |
| 60 | A novel approach to assess the heavy metal content in the feathers of shorebirds: A perspective of environmental research. <i>Journal of King Saud University - Science</i> , 2020, 32, 3065-3071.   | 3.6 | 21        |
| 61 | Identification of a novel antibacterial protein from hemolymph of freshwater zooplankton <i>Mesocyclops leuckarti</i> . <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2390-2397.   | 3.9 | 3         |
| 62 | Facile synthesis and biophysical characterization of egg albumen-wrapped zinc oxide nanoparticles: A potential drug delivery vehicles for anticancer therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102015.   | 3.1 | 19        |
| 63 | The aromatic ginger <i>Kaempferia galanga</i> L. (Zingiberaceae) essential oil and its main compounds are effective larvicidal agents against <i>Aedes vittatus</i> and <i>Anopheles maculatus</i> without toxicity on the non-target aquatic fauna. <i>Industrial Crops and Products</i> , 2020, 158, 113012. | 5.4 | 32        |
| 64 | Down-regulation of hepatic G-6-Pase expression in hyperglycemic rats: Intervention with biogenic gold nanoconjugate. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 3334-3341.  | 3.9 | 4         |
| 65 | Synthesis and characterization of ZnO and Ca-ZnO nanoparticles for potential antibacterial activity and plant micronutrients. <i>Surfaces and Interfaces</i> , 2020, 21, 100796.   | 3.2 | 9         |
| 66 | Entomofaunal survey and larvicidal activity of greener silver nanoparticles: A perspective for novel eco-friendly mosquito control. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2917-2928.   | 3.9 | 12        |
| 67 | Chitosan overlaid Fe <sub>3</sub> O <sub>4</sub> /rGO nanocomposite for targeted drug delivery, imaging, and biomedical applications. <i>Scientific Reports</i> , 2020, 10, 18912.   | 3.4 | 90        |
| 68 | Swift production of rhamnolipid biosurfactant, biopolymer and synthesis of biosurfactant-wrapped silver nanoparticles and its enhanced oil recovery. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1892-1899.  | 3.9 | 35        |
| 69 | Seed dispersal by ungulates in the point calimere wildlife sanctuary: A scientific and perspective analysis. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2790-2797.  | 3.9 | 4         |
| 70 | Antibiofilm and anticancer potential of $\beta$ -glucan-binding protein-encrusted zinc oxide nanoparticles. <i>Microbial Pathogenesis</i> , 2020, 141, 103992.   | 2.9 | 15        |
| 71 | Curcumin-encased hydroxyapatite nanoparticles as novel biomaterials for antimicrobial, antioxidant and anticancer applications: A perspective of nano-based drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101752.  | 3.1 | 29        |
| 72 | Probing of heavy metals in the feathers of shorebirds of Central Asian Flyway wintering grounds. <i>Scientific Reports</i> , 2020, 10, 22118.  | 3.4 | 15        |

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|----|---|-----|-----------|
| 73 | Development of chitosan/agar-silver nanoparticles-coated paper for antibacterial application. <i>Green Processing and Synthesis</i> , 2020, 9, 751-759.   | 3.5 | 9         |
| 74 | Facile synthesis of haemocyanin-capped zinc oxide nanoparticles: Effect on growth performance, digestive-enzyme activity, and immune responses of <i>Penaeus semisulcatus</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 139, 688-696.   | 7.7 | 11        |
| 75 | Anti-cancer, anti-biofilm, and anti-inflammatory properties of henâ€™s albumen: A photodynamic approach. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 28, 1-7.  | 2.7 | 4         |
| 76 | Synthesis of ZnO nanoparticles using insulin-rich leaf extract: Anti-diabetic, antibiofilm and anti-oxidant properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111541.   | 3.9 | 108       |
| 77 | Chronic exposure of <i>Oreochromis niloticus</i> to sub-lethal copper concentrations: Effects on growth, antioxidant, non-enzymatic antioxidant, oxidative stress and non-specific immune responses. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 170-179.                        | 3.2 | 51        |
| 78 | Synthesis and characterization of crustin capped titanium dioxide nanoparticles: Photocatalytic, antibacterial, antifungal and insecticidal activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111620.   | 3.9 | 24        |
| 79 | Microbial exopolymer-capped selenium nanowires â€œ Towards new antibacterial, antibiofilm and arbovirus vector larvicides?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 192, 55-67.  | 3.9 | 21        |
| 80 | Novel and Facile Synthesis of Sea Anemone Adhesive Protein-Coated ZnO Nanoparticles: Antioxidant, Antibiofilm, and Mosquito Larvicidal Activity Against <i>Aedes aegypti</i> . <i>Journal of Cluster Science</i> , 2019, 30, 1393-1402.   | 3.3 | 3         |
| 81 | Facile and Cost-Effective Ag Nanoparticles Fabricated by <i>Lilium lancifolium</i> Leaf Extract: Antibacterial and Antibiofilm Potential. <i>Journal of Cluster Science</i> , 2019, 30, 1081-1089.  | 3.3 | 19        |
| 82 | Enhanced antibacterial activity of hemocyanin purified from <i>Portunus pelagicus</i> hemolymph combined with silver nanoparticles â€œ Intracellular uptake and mode of action. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 54, 8-20.  | 3.2 | 10        |
| 83 | Crustin-capped selenium nanowires against microbial pathogens and Japanese encephalitis mosquito vectors â€œ Insights on their toxicity and internalization. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 51, 191-203.  | 3.2 | 20        |
| 84 | Swift fabrication of Ag nanostructures using a colloidal solution of <i>Holostemma ada-kodien</i> (Apocynaceae) â€œ Antibiofilm potential, insecticidal activity against mosquitoes and non-target impact on water bugs. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 70-79. | 3.9 | 15        |
| 85 | Identification, characterization and immune response of prophenoloxidase from the blue swimmer crab <i>Portunus pelagicus</i> and its antibiofilm activity. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 996-1007.  | 7.7 | 9         |
| 86 | Orchids as Sources of Novel Nano-insecticides? Efficacy of <i>Bacillus sphaericus</i> and <i>Zeuxine gracilis</i> -Fabricated Silver Nanoparticles Against Dengue, Malaria and Filariasis Mosquito Vectors. <i>Journal of Cluster Science</i> , 2018, 29, 345-357.  | 3.3 | 19        |
| 87 | Toxicity and growth inhibition potential of vetiver, cinnamon, and lavender essential oils and their blends against larvae of the sheep blowfly, <i>Lucilia sericata</i> . <i>International Journal of Dermatology</i> , 2018, 57, 449-457.   | 1.0 | 34        |
| 88 | High efficacy of (Z)- $\beta$ -bisabolene from the essential oil of <i>Galinsoga parviflora</i> (Asteraceae) as larvicide and oviposition deterrent against six mosquito vectors. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10555-10566.  | 5.3 | 27        |
| 89 | Bio-mining drugs from the sea: High antibiofilm properties of haemocyanin purified from the haemolymph of flower crab <i>Portunus pelagicus</i> (L.) (Decapoda: Portunidae). <i>Aquaculture</i> , 2018, 489, 130-140.   | 3.5 | 15        |
| 90 | Single Step Fabrication of Chitosan Nanocrystals Using <i>Penaeus semisulcatus</i> : Potential as New Insecticides, Antimicrobials and Plant Growth Promoters. <i>Journal of Cluster Science</i> , 2018, 29, 375-384.   | 3.3 | 53        |

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|-----|--|-----|-----------|
| 91  | Structural characterization of <i>Bacillus licheniformis</i> Dab1 exopolysaccharide's antimicrobial potential and larvicidal activity on malaria and Zika virus mosquito vectors. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18604-18619.   | 5.3 | 47        |
| 92  | <i>Sargassum wightii</i> -synthesized ZnO nanoparticles from antibacterial and insecticidal activity to immunostimulatory effects on the green tiger shrimp <i>Penaeus semisulcatus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 318-330.   | 3.9 | 62        |
| 93  | Biocompatible properties of nano-drug carriers using TiO <sub>2</sub> -Au embedded on multiwall carbon nanotubes for targeted drug delivery. <i>Materials Science and Engineering C</i> , 2018, 90, 589-601.   | 7.8 | 65        |
| 94  | Phenoloxidase activation, antimicrobial, and antibiofilm properties of Î <sup>2</sup> -glucan binding protein from <i>Scylla serrata</i> crab hemolymph. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 864-873.   | 7.7 | 23        |
| 95  | Towards green oviposition deterrents? Effectiveness of <i>Syzygium lanceolatum</i> (Myrtaceae) essential oil against six mosquito vectors and impact on four aquatic biological control agents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10218-10227.   | 5.3 | 42        |
| 96  | Curzerene, trans-Î <sup>2</sup> -elemenone, and Î <sup>3</sup> -elemene as effective larvicides against <i>Anopheles subpictus</i> , <i>Aedes albopictus</i> , and <i>Culex tritaeniorhynchus</i> : toxicity on non-target aquatic predators. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10272-10282.                         | 5.3 | 29        |
| 97  | <i>Zingiber cernuum</i> (Zingiberaceae) essential oil as effective larvicide and oviposition deterrent on six mosquito vectors, with little non-target toxicity on four aquatic mosquito predators. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10307-10316.   | 5.3 | 22        |
| 98  | Larvicidal activity of the essential oil from <i>Amomum subulatum</i> Roxb. (Zingiberaceae) against <i>Anopheles subpictus</i> , <i>Aedes albopictus</i> and <i>Culex tritaeniorhynchus</i> (Diptera: Culicidae), and non-target impact on four mosquito natural enemies. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 219-224. | 2.6 | 32        |
| 99  | Green larvicides against blowflies, <i>Lucilia sericata</i> (Diptera, Calliphoridae): Screening of seven plants used in Indian ethno-veterinary medicine and production of green-coated zinc oxide nanoparticles. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 214-218.   | 2.6 | 15        |
| 100 | Biophysical characterization of <i>Acacia caesia</i> -fabricated silver nanoparticles: effectiveness on mosquito vectors of public health relevance and impact on non-target aquatic biocontrol agents. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10228-10242.   | 5.3 | 45        |
| 101 | Fabrication of highly effective mosquito nanolarvicides using an Asian plant of ethno-pharmacological interest, <i>Priyangu</i> ( <i>Aglaia elaeagnoidea</i> ): toxicity on non-target mosquito natural enemies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10283-10293.  | 5.3 | 16        |
| 102 | High toxicity of camphene and Î <sup>3</sup> -elemene from <i>Wedelia prostrata</i> essential oil against larvae of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10383-10391.  | 5.3 | 40        |
| 103 | Eco-friendly and cost-effective Ag nanocrystals fabricated using the leaf extract of <i>Habenaria plantaginea</i> : toxicity on six mosquito vectors and four non-target species. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10317-10327.   | 5.3 | 19        |
| 104 | <i>Boswellia ovalifoliolata</i> (Burseraceae) essential oil as an eco-friendly larvicide? Toxicity against six mosquito vectors of public health importance, non-target mosquito fishes, backswimmers, and water bugs. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10264-10271.  | 5.3 | 20        |
| 105 | Mosquito control with green nanopesticides: towards the One Health approach? A review of non-target effects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10184-10206.  | 5.3 | 117       |
| 106 | Bacterial exopolysaccharide (EPS)-coated ZnO nanoparticles showed high antibiofilm activity and larvicidal toxicity against malaria and Zika virus vectors. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 45, 93-103.   | 3.2 | 153       |
| 107 | <i>Brevibacillus laterosporus</i> isolated from the digestive tract of honeybees has high antimicrobial activity and promotes growth and productivity of honeybee's colonies. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10447-10455.   | 5.3 | 23        |
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