

# Ramanathan Thirugnanasambandam

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

672  
citations

687220

13  
h-index

610775

24  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1028  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Biomedical potential of silver nanoparticles synthesized from calli cells of <i>Citrullus colocynthis</i> (L.) Schrad. <i>Journal of Nanobiotechnology</i> , 2011, 9, 43.  | 4.2 | 161       |
| 2  | Bitter Apple ( <i>Citrullus colocynthis</i> ): An Overview of Chemical Composition and Biomedical Potentials. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 394-401.   | 0.2 | 49        |
| 3  | Plant Mediated Synthesis of Biomedical Silver Nanoparticles by Using Leaf Extract of <i>Citrullus colocynthis</i> . <i>Research Journal of Nanoscience and Nanotechnology</i> , 2011, 1, 95-101.   | 2.0 | 40        |
| 4  | <i>Musa acuminata</i> and its bioactive metabolite 5-Hydroxymethylfurfural mitigates quorum sensing (Ias) Tj ETQq0 0 0 rgBT /Overlock 10 Tf in vitro. <i>Journal of Ethnopharmacology</i> , 2020, 246, 112242.   | 2.0 | 36        |
| 5  | Effect of Glycosin alkaloid from <i>Rhizophora apiculata</i> in non-insulin dependent diabetic rats and its mechanism of action: In vivo and in silico studies. <i>Phytomedicine</i> , 2016, 23, 632-640.  | 2.3 | 35        |
| 6  | Molecular docking and molecular dynamics simulation studies to identify potent AURKA inhibitors: assessing the performance of density functional theory, MM-GBSA and mass action kinetics calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4325-4335. | 2.0 | 28        |
| 7  | Antiquorum sensing and biofilm potential of 5- Hydroxymethylfurfural against Gram positive pathogens. <i>Microbial Pathogenesis</i> , 2018, 125, 48-50.  | 1.3 | 21        |
| 8  | Alpha glucosidase inhibitory effect and enzyme kinetics of coastal medicinal plants. <i>Bangladesh Journal of Pharmacology</i> , 2012, 7, .  | 0.1 | 20        |
| 9  | Antimicrobial and radical scavenging effects of alkaloid extracts from <i>Rhizophora mucronata</i> . <i>Pharmaceutical Chemistry Journal</i> , 2013, 47, 50-53.  | 0.3 | 19        |
| 10 | Antidiabetic effect of a black mangrove species <i>Aegiceras corniculatum</i> in alloxan-induced diabetic rats. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2012, 3, 52-6.   | 0.4 | 18        |
| 11 | Chemical Compositions of Medicinal Mangrove Species <i>Acanthus ilicifolius</i> , <i>Excoecaria agallocha</i> , <i>Rhizophora apiculata</i> and <i>Rhizophora mucronata</i> . <i>Current Research in Chemistry</i> , 2014, 7, 1-8.   | 0.5 | 17        |
| 12 | Anti-Inflammatory Activity of the Marine Cyanobacterium <i>Trichodesmium Erythraeum</i> against Carrageenan-Induced Paw Oedema in Wistar Albino Rats. <i>European Journal of Inflammation</i> , 2011, 9, 53-56.  | 0.2 | 15        |
| 13 | Production of Extra Cellular $\alpha$ -amylase using <i>Bacillus megaterium</i> isolated from White Mangrove ( <i>Avicennia marina</i> ). <i>Asian Journal of Biotechnology</i> , 2011, 3, 310-316.  | 0.3 | 15        |
| 14 | Dipeptidyl peptidase IV inhibitors derived from a mangrove flora <i>Rhizophora mucronata</i> : An in silico approach. <i>Bangladesh Journal of Pharmacology</i> , 2012, 7, .   | 0.1 | 13        |
| 15 | Antimicrobial and Radical Scavenging Effects of Alkaloid Extracts from <i>Rhizophora Mucronata</i> . <i>Pharmaceutical Chemistry Journal</i> , 2015, 49, 34-37.  | 0.3 | 13        |
| 16 | Local Anesthetic Effect of <i>Citrullus colocynthis</i> on <i>Rana hexadactyla</i> . <i>Research Journal of Medicinal Plant</i> , 2011, 5, 338-342.  | 0.3 | 13        |
| 17 | Antioxidant and Radical Scavenging Activity of Nine Edible Mushrooms Extract. <i>International Journal of Pharmacology</i> , 2010, 6, 950-953.   | 0.1 | 12        |
| 18 | Influence of <i>Rhizophora apiculata</i> Blume extracts on $\alpha$ -glucosidase: Enzyme kinetics and molecular docking studies. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 653-660.  | 1.5 | 11        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Standardization of DNA Isolation and PCR Protocol for RAPD Analysis of Suaeda sp.. Asian Journal of Biotechnology, 2011, 3, 486-492.  | 0.3 | 11        |
| 20 | Studies on Phytochemical Screening, Antimicrobial and Anti Radical Scavenging Effect Coastal Salt Mash Plant of a Suaeda monoica. Research Journal of Phytochemistry, 2014, 8, 102-111.   | 0.1 | 10        |
| 21 | Hemolytic and Anti Microbial Effect in the Leaves of Acanthus ilicifolius. Journal of Pharmacology and Toxicology, 2011, 6, 196-200.  | 0.4 | 9         |
| 22 | Studies on effects of Andrographis paniculata (Burm.f.) and Andrographis lineata nees (Family:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Asian Pacific Journal of Tropical Medicine, 2013, 6, 176-179.   | 0.4 | 7         |
| 23 | Molecular docking, isolation and biological evaluation of Rhizophora mucronata flavonoids as anti-nociceptive agents. Biomedicine and Preventive Nutrition, 2014, 4, 555-560.   | 0.9 | 7         |
| 24 | Antioxidant and Free Radical Scavenging Effect of Acanthus ilicifolius. Research Journal of Applied Sciences, 2011, 6, 218-222.   | 0.1 | 7         |
| 25 | Influence of Rhizophora apiculata Flavonoids on Chemical and Thermal Induced Nociceptive Models. British Journal of Pharmaceutical Research, 2015, 7, 102-109.  | 0.4 | 7         |
| 26 | Molecular docking studies on potential PPAR- $\beta$ agonist from &lt;i>Rhizophora apiculata&/i>. Bangladesh Journal of Pharmacology, 2014, 9, .  | 0.1 | 6         |
| 27 | In Vitro Hepatoprotective Activity of Isolated Fractions of Cressa Cretica. Pharmaceutical Chemistry Journal, 2014, 48, 121-126.  | 0.3 | 6         |
| 28 | Molecular Docking Studies of Rhizophora mucronata Alkaloids Against Neuroinflammatory Marker Cyclooxygenase 2. International Journal of Biological Chemistry, 2014, 8, 91-99.   | 0.3 | 6         |
| 29 | In vitro effect of organic and inorganic additives from the&lt;br>production of radial mycelial growth and lignocellulolytic enzyme&lt;br>in Lentinus edodes (Berk.) Sing.. Emirates Journal of Food and Agriculture, 2011, 23, 71.             | 1.0 | 6         |
| 30 | Chemopreventive Effect of Acanthus ilicifolius Extract on Modulating Antioxidants, Lipid Peroxidation and Membrane Bound Enzymes in Diethyl Nitrosamine Induced Liver Carcinogenesis. International Journal of Cancer Research, 2015, 12, 1-16. | 0.2 | 5         |
| 31 | Screening of Anti-microbial Effect in Watermelon (Citrullus sp.). Journal of Biological Sciences, 2010, 10, 682-685.  | 0.1 | 5         |
| 32 | Ipomoea pes-caprae Mediated Silver Nanoparticles and their Antibacterial Effect. Science International, 2013, 1, 155-159.   | 0.4 | 5         |
| 33 | Inhibitory Effect of Excoecaria Agallocha L. Extracts on Elastase and Collagenase and Identification of Metabolites Using HPLC-UV-MS Techniques. Pharmaceutical Chemistry Journal, 2018, 51, 960-964.   | 0.3 | 4         |
| 34 | Isolation and identification of Anti-Oxidant Fraction from Active Extract of Rhizophora mucronata Poir. Leaves. Pharmaceutical Chemistry Journal, 2020, 54, 380-385.  | 0.3 | 3         |
| 35 | Influence of Rutoside Loaded Solid Lipid Nanoparticles to Enhance Oral Bioavailability: Characterization, Pharmacokinetic, and Pharmacodynamic Studies. Advanced Science, Engineering and Medicine, 2016, 8, 350-359.                           | 0.3 | 3         |
| 36 | In vitro Plant Regeneration from Leaf Primordia of Gum-bearing Tree Aegle marmelos. Research Journal of Forestry, 2010, 4, 208-212.   | 0.5 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Documentation of hypoglycemic and wound healing plants in Kodyampalayam coastal village (southeast coast of India). <i>Journal of Coastal Life Medicine</i> , 2014, , .   | 0.2 | 2         |
| 38 | Topical Delivery of Nano-encapsulated Rutoside Medication for Diabetic Foot Ulcer in Rat Model. <i>Nanoscience and Nanotechnology - Asia</i> , 2018, 8, .   | 0.3 | 2         |
| 39 | Genetic Identification of <i>Cerriops decandra</i> (Chiru Kandal) using tRNA (Leu) Molecular Marker. <i>Asian Journal of Plant Sciences</i> , 2012, 11, 91-95.  | 0.2 | 2         |
| 40 | Direct Organogenesis of Seaside Heliotrope ( <i>Heliotropium crassavicum</i> ) Using Stem Explants. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1216-1219.   | 0.2 | 2         |
| 41 | Milky Mangrove <i>Excoecaria agallocha</i> L. Plant as a source for potential mosquito larvicides. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 102-105.   | 0.7 | 2         |
| 42 | In vitro Anticancer Effect of <i>Acanthus ilicifolius</i> on Hepatocellular Carcinoma Cells. <i>Asian Journal of Biochemistry</i> , 2014, 9, 179-186.   | 0.5 | 2         |
| 43 | Formulation and Evaluation of Tablets from Antidiabetic Alkaloid Glycosin. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2014, 15, 18-24.   | 0.0 | 2         |
| 44 | <i>Avicennia alba</i> mangrove derived squalene compound inhibited the MNNG induced gastric cancer in Albino rats. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2018, 24, 302-314.                            | 0.5 | 2         |
| 45 | SURVEY, ISOLATION, BIOCHEMICAL CHARACTERIZATION, AND IDENTIFICATION OF <i>HELICOBACTER PYLORI</i> FROM GASTRIC PATIENT BIOPSY. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 411.            | 0.3 | 1         |
| 46 | Phylogeny of Indian Rhizophoraceae Based on the Molecular Data from Chloroplast tRNA <sup>LEU</sup> UAA Intergenic Sequences. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1130-1137.                     | 0.2 | 1         |
| 47 | Biochemical Indicators for Rooting in <i>Casuarina equisetifolia</i> Clones. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 364-367.   | 0.2 | 1         |
| 48 | Low Cost Material Enhanced the in vitro Regeneration and Micro Propagation of Medicinal Sand Dune Plant Species <i>Ipomoea pes-caprae</i> (L.) R. Br.. <i>American Journal of Plant Physiology</i> , 2013, 9, 16-23.    | 0.2 | 0         |
| 49 | In silico Screening of Cyclooxygenase Inhibitory Molecules from Mangroves. <i>Trends in Bioinformatics</i> , 2014, 7, 13-18.  | 0.3 | 0         |
| 50 | Gastric Cancer Protective Effect of Mangrove Oil, Derived from <i>Rhizophora apiculata</i> on Benzo(a)Pyrene Induced Cancer in Albino Mice. <i>International Journal of Cancer Research</i> , 2014, 11, 19-31.          | 0.2 | 0         |
| 51 | Anti-cancer Activities of Methanol Extract of <i>Rhizophora mucronata</i> against Breast Cancer MCF7 Cell Line. <i>Indian Internet Journal of Forensic Medicine &amp; Toxicology</i> , 2017, 15, 71.                    | 0.0 | 0         |
| 52 | Antibacterial Studies of <i>Rhizophora mucronata</i> with Special Reference to <i>Staphylococcus aureus</i> Isolated from Diabetic Foot Ulcer Patients. <i>LS International Journal of Life Sciences</i> , 2018, 7, 84. | 0.2 | 0         |