

# Arunachalam Kannappan

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

830  
citations

567144

15  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piper betle and its bioactive metabolite phytol mitigates quorum sensing mediated virulence factors and biofilm of nosocomial pathogen <i>Serratia marcescens</i> in vitro. <i>Journal of Ethnopharmacology</i> , 2016, 193, 592-603.	2.0	90
2	Antibiofilm activity of <i>Vetiveria zizanioides</i> root extract against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017, 110, 313-324.	1.3	70
3	<i>In vitro</i> and <i>in vivo</i> efficacy of rosmarinic acid on quorum sensing mediated biofilm formation and virulence factor production in <i>Aeromonas hydrophila</i> . <i>Biofouling</i> , 2016, 32, 1171-1183.	0.8	64
4	Inhibitory effect of marine cyanobacterial extract on biofilm formation and virulence factor production of bacterial pathogens causing vibriosis in aquaculture. <i>Journal of Applied Phycology</i> , 2016, 28, 313-324.	1.5	61
5	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against <i>Serratia marcescens</i> Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 498.	1.8	61
6	Inhibition of quorum sensing-dependent biofilm and virulence genes expression in environmental pathogen <i>Serratia marcescens</i> by petroselinic acid. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 501-515.	0.7	59
7	Phytosynthesized silver nanoparticles as anti-quorum sensing and antibiofilm agent against the nosocomial pathogen <i>Serratia marcescens</i> : an <i>in vitro</i> study. <i>Journal of Applied Microbiology</i> , 2018, 124, 1425-1440.	1.4	54
8	Biogenic synthesis of silver nanoparticles using Piper betle aqueous extract and evaluation of its anti-quorum sensing and antibiofilm potential against uropathogens with cytotoxic effects: an <i>in vitro</i> and <i>in vivo</i> approach. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10538-10554.	2.7	45
9	<i>In vitro</i> and <i>in vivo</i> biofilm inhibitory efficacy of geraniol-cefotaxime combination against <i>Staphylococcus</i> spp.. <i>Food and Chemical Toxicology</i> , 2019, 125, 322-332.	1.8	44
10	Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in <i>Staphylococcus epidermidis</i> RP62A. <i>Journal of Medical Microbiology</i> , 2017, 66, 1506-1515.	0.7	44
11	Marine Bacterial Secondary Metabolites: A Treasure House for Structurally Unique and Effective Antimicrobial Compounds. <i>Marine Drugs</i> , 2021, 19, 530.	2.2	41
12	Inhibitory Effect of Morin Against <i>Candida albicans</i> Pathogenicity and Virulence Factor Production: An <i>in vitro</i> and <i>in vivo</i> Approaches. <i>Frontiers in Microbiology</i> , 2020, 11, 561298.	1.5	35
13	Anti-virulence potential of 2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant <i>Staphylococcus aureus</i> and its clinical isolates. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6747-6758.	1.7	20
14	Biofilm inhibitory efficiency of phytol in combination with cefotaxime against nosocomial pathogen <i>Acinetobacter baumannii</i> . <i>Journal of Applied Microbiology</i> , 2018, 125, 56-71.	1.4	19
15	AHL-Lactonase Producing <i>Psychrobacter</i> sp. From Palk Bay Sediment Mitigates Quorum Sensing-Mediated Virulence Production in Gram Negative Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 634593.	1.5	18
16	The control of microbially induced corrosion by methyl eugenol – A dietary phytochemical with quorum sensing inhibitory potential. <i>Bioelectrochemistry</i> , 2019, 128, 186-192.	2.4	16
17	Polyphenolic Antibacterials for Food Preservation: Review, Challenges, and Current Applications. <i>Foods</i> , 2021, 10, 2469.	1.9	16
18	Anti-quorum Sensing and Protective Efficacies of Naringin Against <i>Aeromonas hydrophila</i> Infection in <i>Danio rerio</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 600622.	1.5	13

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19	2-Hydroxy-4-methoxybenzaldehyde from <i>Hemidesmus indicus</i> is antagonistic to <i>Staphylococcus epidermidis</i> biofilm formation. <i>Biofouling</i> , 2020, 36, 549-563.	0.8	13
20	Curcumin from <i>Curcuma longa</i> affects the virulence of <i>Pectobacterium wasabiae</i> and <i>P. carotovorum</i> subsp. <i>carotovorum</i> via quorum sensing regulation. <i>European Journal of Plant Pathology</i> , 2016, 146, 793-806.	0.8	12
21	<i>Hemidesmus indicus</i> , a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101338.	1.5	11
22	Optimization of biosurfactant production by <i>Pseudomonas aeruginosa</i> using rice water and its competence in controlling <i>Fusarium</i> wilt of <i>Abelmoschus esculentus</i> . <i>South African Journal of Botany</i> , 2022, 151, 144-157.	1.2	8
23	In vivo protective effect of geraniol on colonization of <i>Staphylococcus epidermidis</i> in rat jugular vein catheter model. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	7
24	Conjugative IncHI2 plasmid harboring novel class 1 integron mediated dissemination of multidrug resistance genes in <i>Salmonella Typhimurium</i> . <i>Food Control</i> , 2021, 122, 107810.	2.8	5
25	Imaging Bacteria and Biofilm by Field Emission Scanning Electron Microscopy. <i>Springer Protocols</i> , 2021, , 205-222.	0.1	4