

Shunmugiah Karutha Pandian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

269 papers	7,126 citations	44 h-index	69 g-index
278 ext. papers	8,747 ext. citations	4.2 avg, IF	6.54 L-index

#	Paper	IF	Citations
269	Community-Based 16S rDNA Fingerprinting Analysis of Geographically Distinct Marine Sediments of Unexplored Coastal Regions of Palk Bay and Gulf of Mannar.. <i>Current Microbiology</i> , 2022 , 79, 60	2.4	
268	Suppression of Thiol-Dependent Antioxidant System and Stress Response in Methicillin-Resistant <i>Staphylococcus aureus</i> by Docosanol: Explication Through Proteome Investigation.. <i>Molecular Biotechnology</i> , 2022 , 1	3	
267	Sunlight-active phytol-ZnO@TiO nanocomposite for photocatalytic water remediation and bacterial-fouling control in aquaculture: A comprehensive study on safety-level assessment.. <i>Water Research</i> , 2022 , 212, 118081	12.5	1
266	Complete genome sequence of <i>Halomonas boliviensis</i> strain kknpp38, a chlorine-resistant bacterium isolated from the early-stage marine biofilm.. <i>Marine Genomics</i> , 2022 , 62, 100890	1.9	0
265	L. derived specialized molecules unveil the multi-targeted therapeutic avenues against COPD: a systems pharmacology approach.. <i>Frontiers in Bioscience</i> , 2022 , 27, 87		0
264	Evaluation of antibiofilm potential of four-domain α -amylase from <i>Streptomyces griseus</i> against exopolysaccharides (EPS) of bacterial pathogens using <i>Danio rerio</i> .. <i>Archives of Microbiology</i> , 2022 , 204, 243	3	1
263	Gut associated culturable bacterial community in intertidal polychaete worms (Annelida: Polychaeta), their characterization and implications in captive shrimp aquaculture. <i>Regional Studies in Marine Science</i> , 2022 , 52, 102274	1.5	1
262	Ethnomedicines of Indian origin for combating COVID-19 infection by hampering the viral replication: using structure-based drug discovery approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 4594-4609	3.6	36
261	Synergistic Interaction of Piperine and Thymol on Attenuation of the Biofilm Formation, Hyphal Morphogenesis and Phenotypic Switching in .. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 780545	5.9	0
260	and Anti-infective Potential of Thymol Against Early Childhood Caries Causing Dual Species and. <i>Frontiers in Pharmacology</i> , 2021 , 12, 760768	5.6	1
259	Bacterial Quorum-Sensing Molecules as Promising Natural Inhibitors of Virulence Dimorphism: An and Study.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 781790	5.9	1
258	Tocopherol and phytol possess anti-quorum sensing mediated anti-infective behavior against <i>Vibrio campbellii</i> in aquaculture: An in vitro and in vivo study. <i>Microbial Pathogenesis</i> , 2021 , 161, 105221	3.8	0
257	Catechol thwarts virulent dimorphism in <i>Candida albicans</i> and potentiates the antifungal efficacy of azoles and polyenes. <i>Scientific Reports</i> , 2021 , 11, 21049	4.9	2
256	The Role of OsWRKY Genes in Rice When Faced with Single and Multiple Abiotic Stresses. <i>Agronomy</i> , 2021 , 11, 1301	3.6	4
255	Cloning, expression, homology modelling and molecular dynamics simulation of four domain-containing α -amylase from <i>Streptomyces griseus</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 2152-2163	3.6	7
254	Global transcriptome analysis of novel stress associated protein () genes expression dynamism of combined abiotic stresses in (L.). <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 2106-2117	3.6	8
253	Antimicrobial peptides as a potent therapeutic regimen to quench biofilm-mediated antimicrobial resistance 2021 , 531-570		

252	Natural molecules against QS-associated biofilm formation of pathogens 2021 , 317-348		1
251	CRISPR based bacterial genome editing and removal of pathogens. <i>Progress in Molecular Biology and Translational Science</i> , 2021 , 179, 77-92	4	
250	Molecular Mechanism of Action of Antimicrobial Agents Against Clinically Important Human Pathogens: A Proteomics Approach 2021 , 287-301		
249	Sapindus mukorossi Gaertn. and its bioactive metabolite oleic acid impedes methicillin-resistant Staphylococcus aureus biofilm formation by down regulating adhesion genes expression. <i>Microbiological Research</i> , 2021 , 242, 126601	5.3	5
248	Structure and Functional Role of Microbiome Associated with Specific Organs of Healthy Individuals 2021 , 59-68		
247	Polymeric antibiofilm coating comprising synergistic combination of citral and thymol prevents methicillin-resistant Staphylococcus aureus biofilm formation on titanium. <i>Materials Science and Engineering C</i> , 2021 , 121, 111863	8.3	7
246	Exploring the impacts of heavy metals on spatial variations of sediment-associated bacterial communities. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111808	7	13
245	Promising phytochemicals of traditional Indian herbal steam inhalation therapy to combat COVID-19 - An in silico study. <i>Food and Chemical Toxicology</i> , 2021 , 148, 111966	4.7	17
244	Indian Ethnomedicinal Phytochemicals as Promising Inhibitors of RNA-Binding Domain of SARS-CoV-2 Nucleocapsid Phosphoprotein: An Study. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 637329	5.6	5
243	An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics. <i>Plants</i> , 2021 , 10,	4.5	13
242	Thermal discharge-induced seawater warming alters richness, community composition and interactions of bacterioplankton assemblages in a coastal ecosystem. <i>Scientific Reports</i> , 2021 , 11, 17341	4.9	1
241	5-hydroxymethyl-2-furaldehyde impairs Candida albicans - Staphylococcus epidermidis interaction in co-culture by suppressing crucial supportive virulence traits. <i>Microbial Pathogenesis</i> , 2021 , 158, 104990	3.8	1
240	Draft Genome Sequencing of Pseudoalteromonas tetraodonis Strain knpp56, a Potent Biofilm-Forming Bacterium Isolated from Early-Stage Marine Biofilm. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0060521	1.3	1
239	Staphyloxanthin inhibitory potential of thymol impairs antioxidant fitness, enhances neutrophil mediated killing and alters membrane fluidity of methicillin resistant Staphylococcus aureus. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 141, 111933	7.5	7
238	Bacterial community structure of early-stage biofilms is dictated by temporal succession rather than substrate types in the southern coastal seawater of India. <i>PLoS ONE</i> , 2021 , 16, e0257961	3.7	3
237	Usnic acid deteriorates acidogenicity, acidurance and glucose metabolism of Streptococcus mutans through downregulation of two-component signal transduction systems. <i>Scientific Reports</i> , 2021 , 11, 1374	4.9	5
236	Pathogenesis of Staphylococcus aureus and Proteomic Strategies for the Identification of Drug Targets 2021 , 325-340		
235	CRISPR based development of RNA editing and the diagnostic platform. <i>Progress in Molecular Biology and Translational Science</i> , 2021 , 179, 117-159	4	

234	Anti-inflammatory potential of myristic acid and palmitic acid synergism against systemic candidiasis in <i>Danio rerio</i> (Zebrafish). <i>Biomedicine and Pharmacotherapy</i> , 2021 , 133, 111043	7.5	6
233	Heteroleptic pincer palladium(II) complex coated orthopedic implants impede the Abal/AbaR quorum sensing system and biofilm development by .. <i>Biofouling</i> , 2021 , 1-16	3.3	0
232	Carvacrol Targets SarA and CrtM of Methicillin-Resistant to Mitigate Biofilm Formation and Staphyloxanthin Synthesis: An and Approach. <i>ACS Omega</i> , 2020 , 5, 31100-31114	3.9	8
231	Palmitic Acid Inhibits the Virulence Factors of : Biofilms, Cell Surface Hydrophobicity, Ergosterol Biosynthesis, and Enzymatic Activity. <i>Frontiers in Microbiology</i> , 2020 , 11, 864	5.7	18
230	Attenuation of <i>Proteus mirabilis</i> colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111207	6	5
229	Piperine Impedes Biofilm Formation and Hyphal Morphogenesis of. <i>Frontiers in Microbiology</i> , 2020 , 11, 756	5.7	21
228	Global proteomic analysis deciphers the mechanism of action of plant derived oleic acid against <i>Candida albicans</i> virulence and biofilm formation. <i>Scientific Reports</i> , 2020 , 10, 5113	4.9	18
227	2-Hydroxy-4-methoxybenzaldehyde from is antagonistic to biofilm formation. <i>Biofouling</i> , 2020 , 36, 549-563	5.3	5
226	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An Analysis. <i>Frontiers in Microbiology</i> , 2020 , 11, 1796	5.7	72
225	Impediment to growth and yeast-to-hyphae transition in by copper oxide nanoparticles. <i>Biofouling</i> , 2020 , 36, 56-72	3.3	18
224	Proteomic profiling unveils citral modulating expression of IsaA, CodY and SaeS to inhibit biofilm and virulence in methicillin-resistant <i>Staphylococcus aureus</i> . <i>International Journal of Biological Macromolecules</i> , 2020 ,	7.9	16
223	Inhibition of biofilm and biofilm-associated virulence factor production in methicillin-resistant <i>Staphylococcus aureus</i> by docosanol. <i>Journal of Biotechnology</i> , 2020 , 317, 59-69	3.7	9
222	Culture-Dependent and -Independent Strategies in Bacterial Diversity Appraisal 2020 , 1-27		0
221	Flavonoids for Therapeutic Applications 2020 , 347-378		
220	Next Generation Sequencing Advances and Applications in the World of Bacterial Diversity 2020 , 178-209		
219	Abiotic Stress and Applications of Omics Approaches to Develop Stress Tolerance in Agronomic Crops 2020 , 557-578		2
218	Systematic assessment of chlorine tolerance mechanism in a potent biofilm-forming marine bacterium <i>Halomonas boliviensis</i> . <i>International Biodeterioration and Biodegradation</i> , 2020 , 151, 104967	4.8	12
217	Antibiofilm and antivirulence efficacy of myrtenol enhances the antibiotic susceptibility of <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2020 , 10, 21975	4.9	10

216	5-Dodecanolide inhibits biofilm formation and virulence of <i>Streptococcus pyogenes</i> by suppressing core regulons of virulence. <i>Life Sciences</i> , 2020 , 262, 118554	6.8	3
215	Sediment-associated bacterial community and predictive functionalities are influenced by choice of 16S ribosomal RNA hypervariable region(s): An amplicon-based diversity study. <i>Genomics</i> , 2020 , 112, 4968-4979	4.3	2
214	A highly divergent α -amylase from <i>Streptomyces</i> spp.: An evolutionary perspective. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 2415-2428	7.9	5
213	Proteomic analysis deciphers the multi-targeting antivirulence activity of tannic acid in modulating the expression of MrpA, FlhD, UreR, HpmA and Nrp system in <i>Proteus mirabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1175-1186	7.9	1
212	Integrated transcriptomic and metabolomic analyses of glutamine metabolism genes unveil key players in <i>Oryza sativa</i> (L.) to ameliorate the unique and combined abiotic stress tolerance. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 222-231	7.9	3
211	Proteomic and Systematic Functional Profiling Unveils Citral Targeting Antibiotic Resistance, Antioxidant Defense, and Biofilm-Associated Two-Component Systems of <i>Acinetobacter baumannii</i> To Encumber Biofilm and Virulence Traits. <i>MSystems</i> , 2020 , 5,	7.6	3
210	Metal sensing-carbon dots loaded TiO ₂ -nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. <i>Scientific Reports</i> , 2020 , 10, 12883	4.9	8
209	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in silico approach. <i>Genomics</i> , 2020 , 112, 4486-4504	4.3	17
208	Unraveling the Antioxidant, Binding and Health-Protecting Properties of Phenolic Compounds of Beers with Main Human Serum Proteins: In Vitro and In Silico Approaches. <i>Molecules</i> , 2020 , 25,	4.8	3
207	-Dependent Antibiofilm Activity of Thymol Enhances the Antibacterial Efficacy of Rifampicin Against. <i>Frontiers in Microbiology</i> , 2020 , 11, 1744	5.7	13
206	Global integrated omics expression analyses of abiotic stress signaling HSF transcription factor genes in <i>Oryza sativa</i> L.: An in silico approach. <i>Genomics</i> , 2020 , 112, 908-918	4.3	8
205	Synergistic antimicrobial combination of carvacrol and thymol impairs single and mixed-species biofilms of and. <i>Biofouling</i> , 2020 , 36, 1256-1271	3.3	0
204	Proteomic analysis uncovers the modulation of ergosterol, sphingolipid and oxidative stress pathway by myristic acid impeding biofilm and virulence in <i>Candida albicans</i> . <i>Journal of Proteomics</i> , 2019 , 208, 103503	3.9	34
203	Myrtenol Attenuates MRSA Biofilm and Virulence by Suppressing Expression Dynamism. <i>Frontiers in Microbiology</i> , 2019 , 10, 2027	5.7	34
202	<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	4.2	8
201	5-Dodecanolide interferes with biofilm formation and reduces the virulence of Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) through up regulation of agr system. <i>Scientific Reports</i> , 2019 , 9, 13744	4.9	36
200	Effects of a traditional Thai polyherbal medicine <i>Sy-a-Samarn-PhlaeSas</i> as a natural anti-biofilm agent against <i>Pseudomonas aeruginosa</i> . <i>Microbial Pathogenesis</i> , 2019 , 128, 354-362	3.8	6
199	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	5.7	9

198	Virulence targeted inhibitory effect of linalool against the exclusive uropathogen. <i>Biofouling</i> , 2019 , 35, 508-525	3.3	14
197	Emerging Advances in Computational Omics Tools for Systems Analysis of Gramineae Family Grass Species and Their Abiotic Stress Responsive Functions 2019 , 183-215		
196	Ethnopharmacology, Phytochemistry, and Global Distribution of Mangroves-A Comprehensive Review. <i>Marine Drugs</i> , 2019 , 17,	6	49
195	Bioactive peptides and proteins as alternative antiplatelet drugs. <i>Medicinal Research Reviews</i> , 2019 , 39, 2153-2171	14.4	8
194	Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on RP62A Through an Integrated Transcriptomic and Proteomic Approach. <i>Frontiers in Microbiology</i> , 2019 , 10, 150	5.7	26
193	Culture dependent and independent analysis and appraisal of early stage biofilm-forming bacterial community composition in the Southern coastal seawater of India. <i>Science of the Total Environment</i> , 2019 , 666, 308-320	10.2	18
192	Traditional and modern uses of onion bulb (L.): a systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, S39-S70	11.5	66
191	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formation of luminescent <i>Vibrio harveyi</i> . <i>Aquaculture</i> , 2019 , 498, 162-170	4.4	14
190	The metabolic profile of essential oils and assessment of anti-urease activity by ESI-mass spectrometry of <i>Salvia officinalis</i> L.. <i>South African Journal of Botany</i> , 2019 , 120, 175-178	2.9	4
189	Umbelliferone Impedes Biofilm Formation and Virulence of Methicillin-Resistant via Impairment of Initial Attachment and Intercellular Adhesion. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 357	5.9	12
188	Protective effect of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 201, 111637	6.7	25
187	Role of Bacteria in Dermatological Infections 2019 , 279-318		1
186	Bacteriology of Ophthalmic Infections 2019 , 319-363		1
185	Integrating the Bioinformatics and Omics Tools for Systems Analysis of Abiotic Stress Tolerance in <i>Oryza sativa</i> (L.) 2019 , 59-77		3
184	Extracted chitosan disrupts quorum sensing mediated virulence factors in Urinary tract infection causing pathogens. <i>Pathogens and Disease</i> , 2019 , 77,	4.2	13
183	Marine bacterial DNase curtails virulence and disrupts biofilms of and nonalbicans species. <i>Biofouling</i> , 2019 , 35, 975-985	3.3	9
182	Quorum quelling efficacy of marine cyclic dipeptide -cyclo(L-leucyl-L-prolyl) against the uropathogen <i>Serratia marcescens</i> . <i>Food and Chemical Toxicology</i> , 2019 , 123, 326-336	4.7	16
181	In vitro and in vivo biofilm inhibitory efficacy of geraniol-cefotaxime combination against <i>Staphylococcus</i> spp. <i>Food and Chemical Toxicology</i> , 2019 , 125, 322-332	4.7	27

180	The role of flavonoids in autoimmune diseases: Therapeutic updates. <i>Pharmacology & Therapeutics</i> , 2019 , 194, 107-131	13.9	70
179	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	4.7	15
178	Phytosynthesized silver nanoparticles as antiquorum sensing and antibiofilm agent against the nosocomial pathogen <i>Serratia marcescens</i> : an in vitro study. <i>Journal of Applied Microbiology</i> , 2018 , 124, 1425-1440	4.7	35
177	Green synthesized silver nanoparticles demonstrating enhanced in vitro and in vivo antibiofilm activity against <i>Candida</i> spp. <i>Journal of Basic Microbiology</i> , 2018 , 58, 343-357	2.7	27
176	Exploring the antivirulent and sea food preservation efficacy of essential oil combined with DNase on <i>Vibrio parahaemolyticus</i> . <i>LWT - Food Science and Technology</i> , 2018 , 95, 107-115	5.4	16
175	Effects of patchouli and cinnamon essential oils on biofilm and hyphae formation by <i>Candida</i> species. <i>Journal De Mycologie Medicale</i> , 2018 , 28, 332-339	3	24
174	An in vitro and in silico identification of antibiofilm small molecules from seawater metacalone SWMC166 against <i>Vibrio cholerae</i> O1. <i>Molecular and Cellular Probes</i> , 2018 , 39, 14-24	3.3	5
173	-GlcNAcylation confers protection against infection in through ubiquitination.. <i>RSC Advances</i> , 2018 , 8, 23089-23100	3.7	9
172	Inhibitory effect of mangostin on <i>Acinetobacter baumannii</i> biofilms - an in vitro study. <i>Biofouling</i> , 2018 , 34, 579-593	3.3	21
171	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,	4.2	5
170	Chitosan extracted from marine biowaste mitigates staphyloxanthin production and biofilms of Methicillin- resistant <i>Staphylococcus aureus</i> . <i>Food and Chemical Toxicology</i> , 2018 , 118, 733-744	4.7	25
169	Global analysis of threonine metabolism genes unravel key players in rice to improve the abiotic stress tolerance. <i>Scientific Reports</i> , 2018 , 8, 9270	4.9	29
168	Fukugiside, a biflavonoid from <i>Garcinia travancorica</i> inhibits biofilm formation of <i>Streptococcus pyogenes</i> and its associated virulence factors. <i>Journal of Medical Microbiology</i> , 2018 , 67, 1391-1401	3.2	8
167	5-hydroxymethyl-2-furaldehyde from marine bacterium <i>Bacillus subtilis</i> inhibits biofilm and virulence of <i>Candida albicans</i> . <i>Microbiological Research</i> , 2018 , 207, 19-32	5.3	28
166	SPAR Markers-Assisted Assessment of Genetic Diversity and Population Structure in Finger Millet (<i>Eleusine Coracana</i> (L.) Gaertn) Mini-Core Collection. <i>Journal of Crop Science and Biotechnology</i> , 2018 , 21, 469-481	1.2	5
165	Synergistic Effect of Quinic Acid Derived From and Undecanoic Acid Against spp. Biofilm and Virulence. <i>Frontiers in Microbiology</i> , 2018 , 9, 2835	5.7	39
164	Tanshinone IIA attenuates TNF- α -induced PTX3 expression and monocyte adhesion to endothelial cells through the p38/NF- κ B pathway. <i>Food and Chemical Toxicology</i> , 2018 , 121, 622-630	4.7	7
163	Production of squalene with promising antioxidant properties in callus cultures of <i>Nilgiranthus ciliatus</i> . <i>Industrial Crops and Products</i> , 2018 , 126, 357-367	5.9	5

162	In vitro and in vivo effect of 2,6-Di-tert-butyl-4-methylphenol as an antibiofilm agent against quorum sensing mediated biofilm formation of <i>Vibrio</i> spp. <i>International Journal of Food Microbiology</i> , 2018 , 281, 60-71	5.8	25
161	Modulation of <i>Staphylococcus epidermidis</i> (RP62A) extracellular polymeric layer by marine cyclic dipeptide-cyclo(L-leucyl-L-prolyl) thwarts biofilm formation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1254-1262	3.8	13
160	Metagenomic Approaches for Novel Active Metabolites 2017 , 275-302		
159	L-Ascorbyl 2,6-dipalmitate inhibits biofilm formation and virulence in methicillin-resistant <i>Staphylococcus aureus</i> and prevents triacylglyceride accumulation in <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , 2017 , 7, 23392-23406	3.7	26
158	Evaluation of selected Indian medicinal plants for antagonistic potential against <i>Malassezia</i> spp. and the synergistic effect of embelin in combination with ketoconazole. <i>Microbial Pathogenesis</i> , 2017 , 110, 66-72	3.8	13
157	In vitro activity of alpha-mangostin in killing and eradicating <i>Staphylococcus epidermidis</i> RP62A biofilms. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3349-3359	5.7	32
156	Cholinesterase inhibitory, anti-amyloidogenic and neuroprotective effect of the medicinal plant <i>Grewia tiliaefolia</i> - An in vitro and in silico study. <i>Pharmaceutical Biology</i> , 2017 , 55, 381-393	3.8	25
155	Rapid biosynthesized AgNPs from <i>Gelidiella acerosa</i> aqueous extract mitigates quorum sensing mediated biofilm formation of <i>Vibrio</i> species-an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27254-27268	5.1	19
154	In vitro and in vivo exploration of palmitic acid from <i>Synechococcus elongatus</i> as an antibiofilm agent on the survival of <i>Artemia franciscana</i> against virulent vibrios. <i>Journal of Invertebrate Pathology</i> , 2017 , 150, 21-31	2.6	31
153	Biochemical and Molecular Mechanisms in Biofilm Formation of Plant-Associated Bacteria 2017 , 195-214		2
152	Biofilm Inhibition by Natural Products of Marine Origin and Their Environmental Applications 2017 , 465-478		1
151	Vanillic acid from <i>Actinidia deliciosa</i> impedes virulence in <i>Serratia marcescens</i> by affecting S-layer, flagellin and fatty acid biosynthesis proteins. <i>Scientific Reports</i> , 2017 , 7, 16328	4.9	40
150	Antibiofilm activity of <i>Vetiveria zizanioides</i> root extract against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017 , 110, 313-324	3.8	39
149	Betulin inhibits cariogenic properties of <i>Streptococcus mutans</i> by targeting vicRK and gtf genes. <i>Antonie Van Leeuwenhoek</i> , 2017 , 110, 153-165	2.1	17
148	In vitro propagation and genetic fidelity analysis of alginate-encapsulated <i>Bacopa monnieri</i> shoot tips using <i>Gracilaria salicornia</i> extracts. <i>Journal of Applied Phycology</i> , 2017 , 29, 481-494	3.2	16
147	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 498	5.9	39
146	Antivirulent Properties of Underexplored Essential Oil and Its Synergistic Effects with DNase against Biofilms - An Study. <i>Frontiers in Microbiology</i> , 2017 , 8, 1144	5.7	29
145	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	3.2	26

144	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	3.2	50
143	Anti-biofilm mechanisms of 3,5-di-tert-butylphenol against clinically relevant fungal pathogens. <i>Biofouling</i> , 2016 , 32, 979-93	3.3	10
142	Morin inhibits biofilm production and reduces the virulence of <i>Listeria monocytogenes</i> - An in vitro and in vivo approach. <i>International Journal of Food Microbiology</i> , 2016 , 237, 73-82	5.8	56
141	An in silico, in vitro and in vivo investigation of indole-3-carboxaldehyde identified from the seawater bacterium <i>Marinomonas</i> sp. as an anti-biofilm agent against <i>Vibrio cholerae</i> O1. <i>Biofouling</i> , 2016 , 32, 1-12	3.3	12
140	Cyclic dipeptide cyclo(l-leucyl-l-prolyl) from marine <i>Bacillus amyloliquefaciens</i> mitigates biofilm formation and virulence in <i>Listeria monocytogenes</i> . <i>Pathogens and Disease</i> , 2016 , 74, ftw017	4.2	34
139	Influence of plant growth regulators and spermidine on somatic embryogenesis and plant regeneration in four Indian genotypes of finger millet (<i>Eleusine coracana</i> (L.) Gaertn). <i>Plant Cell, Tissue and Organ Culture</i> , 2016 , 124, 15-31	2.7	34
138	Alpha-bisabolol from brown macroalga <i>Padina gymnospora</i> mitigates biofilm formation and quorum sensing controlled virulence factor production in <i>Serratia marcescens</i> . <i>Journal of Applied Phycology</i> , 2016 , 28, 1987-1996	3.2	31
137	Effects of cefotaxime, amino acids and carbon source on somatic embryogenesis and plant regeneration in four Indian genotypes of foxtail millet (<i>Setaria italica</i> L.). <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2016 , 52, 140-153	2.3	18
136	Analysis of genetic variation in sorghum (<i>Sorghum bicolor</i> (L.) Moench) genotypes with various agronomical traits using SPAR methods. <i>Gene</i> , 2016 , 576, 581-5	3.8	16
135	and Biofilm Characterization of Methicillin-Resistant from Patients Associated with Pharyngitis Infection. <i>BioMed Research International</i> , 2016 , 2016, 1289157	3	30
134	In vitro and in vivo antibiofilm potential of 2,4-Di-tert-butylphenol from seaweed surface associated bacterium <i>Bacillus subtilis</i> against group A streptococcus. <i>Microbiological Research</i> , 2016 , 191, 19-31	5.3	32
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131	Effect of salinity stress on finger millet (<i>Eleusine coracana</i> (L.) Gaertn): Histochemical and morphological analysis of coleoptile and coleorhizae. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016 , 222, 111-120	1.9	14
130	Proteomic analysis reveals modulation of iron homeostasis and oxidative stress response in <i>Pseudomonas aeruginosa</i> PAO1 by curcumin inhibiting quorum sensing regulated virulence factors and biofilm production. <i>Journal of Proteomics</i> , 2016 , 145, 112-126	3.9	43
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128	Inhibitory effect of <i>Murraya koenigii</i> against <i>Candida albicans</i> virulence and biofilm development. <i>Biologia (Poland)</i> , 2016 , 71, 256-264	1.5	8
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