

# Ravishankar Rai V

## List of Publications by Year in descending order

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46  
papers

1,064  
citations

331670

21  
h-index

477307

29  
g-index

89  
all docs

89  
docs citations

89  
times ranked

1441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small molecules as next generation biofilm inhibitors and anti-infective agents. ChemistrySelect, 2022, .	1.5	0
2	Bioassisted Synthesis of Gold Nanoparticles from <i>Saccharomonospora glauca</i> : Toxicity and Biocompatibility Study. BioNanoScience, 2021, 11, 371-379.	3.5	4
3	Quorum sensing modulatory and biofilm inhibitory activity of <i>Plectranthus barbatus</i> essential oil: a novel intervention strategy. Archives of Microbiology, 2021, 203, 1767-1778.	2.2	11
4	Selenium nanostructure: Progress towards green synthesis and functionalization for biomedicine. Journal of Pharmaceutical Investigation, 2021, 51, 117-135.	5.3	15
5	Diketopiperazine derivative from marine actinomycetes <i>Nocardioopsis</i> sp. SCA30 with antimicrobial activity against MRSA. Archives of Microbiology, 2021, 203, 6173-6181.	2.2	6
6	Culturable diversity of bacterial endophytes associated with medicinal plants of the Western Ghats, India. FEMS Microbiology Ecology, 2020, 96, .	2.7	18
7	Diversity and Bioactive Potential of Actinobacteria from Unexplored Regions of Western Ghats, India. Microorganisms, 2020, 8, 225.	3.6	25
8	Anti-quorum sensing and biofilm inhibitory activity of <i>Apium graveolens</i> L. oleoresin. Journal of Food Science and Technology, 2020, 57, 2414-2422.	2.8	3
9	Isolation and characterization of bioactive compounds with antibacterial, antioxidant and enzyme inhibitory activities from marine-derived rare actinobacteria, <i>Nocardioopsis</i> sp. SCA21. Microbial Pathogenesis, 2019, 137, 103775.	2.9	26
10	Effect of peptide-conjugated nanoparticles on cell lines. Progress in Biomaterials, 2019, 8, 11-21.	4.5	15
11	Quorum quenching activity of AiiA lactonase KMM17 from endophytic <i>Bacillus thuringiensis</i> KMCL07 on AHL-mediated pathogenic phenotype in <i>Pseudomonas aeruginosa</i> . Microbial Pathogenesis, 2019, 132, 230-242.	2.9	26
12	Isolation, characterization, and structural elucidation of 4-methoxyacetanilide from marine actinobacteria <i>Streptomyces</i> sp. SCA29 and evaluation of its enzyme inhibitory, antibacterial, and cytotoxic potential. Archives of Microbiology, 2019, 201, 737-746.	2.2	18
13	Endophytic <i>Paenibacillus amylolyticus</i> KMCLE06 Extracted Dipicolinic Acid as Antibacterial Agent Derived via Dipicolinic Acid Synthetase Gene. Current Microbiology, 2019, 76, 178-186.	2.2	8
14	Purification and characterisation of a quorum quenching AHL-lactonase from the endophytic bacterium <i>Enterobacter</i> sp. CS66. FEMS Microbiology Letters, 2018, 365, .	1.8	26
15	Phytochemicals-mediated green synthesis of gold nanoparticles using <i>Pterocarpus santalinus</i> L. (Red Sanders) bark extract and their antimicrobial properties. Particulate Science and Technology, 2018, 36, 785-790.	2.1	32
16	Attenuation of quorum-sensing-dependent virulence factors and biofilm formation by medicinal plants against antibiotic resistant <i>Pseudomonas aeruginosa</i> . Journal of Traditional and Complementary Medicine, 2018, 8, 170-177.	2.7	54
17	Anticancer activity of metal nanoparticles and their peptide conjugates against human colon adenorectal carcinoma cells. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1444-1451.	2.8	63
18	A Review on Mycosynthesis, Mechanism, and Characterization of Silver and Gold Nanoparticles. BioNanoScience, 2018, 8, 17-31.	3.5	37

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19	Inhibition of biofilm formation and quorum sensing mediated phenotypes by berberine in <i>Pseudomonas aeruginosa</i> and <i>Salmonella typhimurium</i> . RSC Advances, 2018, 8, 36133-36141.	3.6	41
20	Evaluation of Antimicrobial, Enzyme Inhibitory, Antioxidant and Cytotoxic Activities of Partially Purified Volatile Metabolites of Marine <i>Streptomyces</i> sp.S2A. Microorganisms, 2018, 6, 72.	3.6	45
21	<i>In vitro</i> Analysis of Super Critical CO <sub>2</sub> Extracted Essential Oils Against the Food-borne Pathogenic Bacteria. Journal of Biologically Active Products From Nature, 2017, 7, 452-462.	0.3	0
22	Endophytic Peptides - A Source of Therapeutic Agents. Current Protein and Peptide Science, 2017, 18, 284-290.	1.4	5
23	Study on Green Synthesis of Gold Nanoparticles and Their Potential Applications as Catalysts. Journal of Cluster Science, 2016, 27, 1307-1315.	3.3	15
24	Effect of small chain N acyl homoserine lactone quorum sensing signals on biofilms of food-borne pathogens. Journal of Food Science and Technology, 2016, 53, 3609-3614.	2.8	21
25	Inhibition of QS-regulated virulence factors in <i>Pseudomonas aeruginosa</i> PAO1 and <i>Pectobacterium carotovorum</i> by AHL-lactonase of endophytic bacterium <i>Bacillus cereus</i> VT96. Biocatalysis and Agricultural Biotechnology, 2016, 7, 154-163.	3.1	23
26	Antifungal activity of novel indole derivative from endophytic bacteria <i>Pantoea ananatis</i> 4G-9 against <i>Mycosphaerella musicola</i> . Biocontrol Science and Technology, 2016, 26, 476-491.	1.3	16
27	Anti-HIV-1 Activity of Ellagic acid Isolated from <i>Terminalia paniculata</i> . Free Radicals and Antioxidants, 2016, 6, 101-108.	0.3	6
28	<i>In vitro</i> antibiofilm activity of <i>Murraya koenigii</i> essential oil extracted using supercritical fluid CO <sub>2</sub> method against <i>Pseudomonas aeruginosa</i> PAO1. Natural Product Research, 2015, 29, 2295-2298.	1.8	28
29	Rapid biosynthesis of gold nanoparticles by <i>Staphylococcus epidermidis</i> : Its characterisation and catalytic activity. Materials Letters, 2015, 146, 23-25.	2.6	33
30	Biosynthesis of Gold Nanoparticles Using Extracellular Molecules Produced by <i>Enterobacter aerogenes</i> and their Catalytic Study. Journal of Cluster Science, 2015, 26, 1483-1494.	3.3	22
31	Potent toxigenic effect of <i>Mycosphaerella musicola</i> on locally growing banana varieties. Phytoparasitica, 2015, 43, 295-301.	1.2	3
32	Purification and antibiofilm activity of AHL-lactonase from endophytic <i>Enterobacter aerogenes</i> VT66. International Journal of Biological Macromolecules, 2015, 81, 1046-1052.	7.5	20
33	Use of <i>aiiA</i> gene amplification for AHL-lactonase production from endophytic bacterium <i>Enterobacter</i> species. International Journal of Biological Macromolecules, 2015, 72, 1013-1019.	7.5	4
34	Ethnomedicinal value of <i>Pterocarpus santalinus</i> (Linn. f.), a Fabaceae member. Oriental Pharmacy and Experimental Medicine, 2014, 14, 313-317.	1.2	9
35	Production of an antimicrobial cytochalasan by an endophytic <i>Chaetomium globosum</i> HYML55 from <i>Hypericum mysorensense</i> and its RNA secondary structure analysis. Chemistry and Ecology, 2014, 30, 566-578.	1.6	10
36	Attachment and biofilm formation of <i>Pseudomonas fluorescens</i> PSD4 isolated from a dairy processing line. Food Science and Biotechnology, 2014, 23, 1903-1910.	2.6	33

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37	Molecular identification of <i>aiiA</i> homologous gene from endophytic <i>Enterobacter</i> species and in silico analysis of putative tertiary structure of AHL-lactonase. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 290-295.	2.1	25
38	Quorum Sensing Regulation and Inhibition of Exoenzyme Production and Biofilm Formation in the Food Spoilage Bacteria <i>Pseudomonas psychrophila</i> PSPF19. <i>Food Biotechnology</i> , 2014, 28, 293-308.	1.5	39
39	Quorum Sensing Inhibitory and Anti-Biofilm Activity of Essential Oils and Their <i>in vivo</i> Efficacy in Food Systems. <i>Food Biotechnology</i> , 2014, 28, 269-292.	1.5	52
40	Quorum quenching activity in cell-free lysate of endophytic bacteria isolated from <i>Pterocarpus santalinus</i> Linn., and its effect on quorum sensing regulated biofilm in <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbiological Research</i> , 2014, 169, 561-569.	5.3	76
41	The Role of Nanotechnology in Medicine as Drug Delivery Agents, Therapeutics, Diagnostic and Imaging Tools. <i>Advanced Science, Engineering and Medicine</i> , 2014, 6, 1059-1069.	0.3	1
42	<i>In vitro</i> evaluation of antioxidant and antibacterial activities of <i>Rotula aquatica</i> and <i>Ancistrocladus heyneanus</i> . <i>Journal of Pharmacy Research</i> , 2013, 6, 313-317.	0.4	8
43	Free radical scavenging activity and active metabolite profiling of endophytic fungi from <i>Nothapodytes foetida</i> and <i>Hypericum mysorensense</i> . <i>International Journal of Chemical and Analytical Science</i> , 2013, 4, 96-101.	0.5	5
44	Hydrolytic enzymes and quorum sensing inhibitors from endophytic fungi of <i>Ventilago madraspatana</i> Gaertn. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 120-124.	3.1	37
45	Evaluation of pharmacological properties and phenolic profile of <i>Hypericum japonicum</i> Thunb. from Western Ghats of India. <i>Journal of Pharmacy Research</i> , 2013, 7, 626-632.	0.4	6
46	Application of Geraniol- <i>Chitosan</i> Blend Film with Quorum Sensing Inhibitory Activity as Packaging Materials for Biofilm Control in Fresh Fruit and Vegetable. <i>Journal of Packaging Technology and Research</i> , 0, , .	1.5	1