

# Satish V Patil, S V Patil

## List of Publications by Year in descending order

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77  
papers

2,910  
citations

172457

29  
h-index

175258

52  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strigolactones: Extraction and Characterization. Springer Protocols, 2022, , 283-288.	0.3	0
2	Isolation of Selenium Biotransforming Microbes as New Age Bioinputs. Springer Protocols, 2022, , 243-247.	0.3	1
3	Isolation and Screening of : Modern Bioinputs for. Springer Protocols, 2022, , 237-242.	0.3	0
4	Isolation and Screening of Zinc Solubilizing Microbes: As Essential Micronutrient Bio-Inputs for Crops. Springer Protocols, 2022, , 181-186.	0.3	1
5	Isolation and Identification of Nonsymbiotic Azotobacter and Symbiotic Azotobacter Paspaliâ€Paspalum notatum. Springer Protocols, 2022, , 25-33.	0.3	2
6	Nano-Biochar as a Sustainable Catalyst for Anaerobic Digestion: A Synergetic Closed-Loop Approach. Catalysts, 2022, 12, 186.	3.5	41
7	Moringa Tree, Gift of Nature: a Review on Nutritional and Industrial Potential. Current Pharmacology Reports, 2022, 8, 262-280.	3.0	18
8	Enzymatic response of Moina macrocopa to different sized zinc oxide particles: An aquatic metal toxicology study. Environmental Research, 2021, 194, 110609.	7.5	11
9	Probiotics for Allergic Airway Infection and Inflammations. , 2021, , 295-313.		0
10	Molecular properties of 5-(1H-Benzo[D]Oxa, thia, imidazole-2-yl)-2-methyl quinazolin-4-ol fluorescent brighteners: Theoretical and experimental approach. Journal of Molecular Structure, 2020, 1199, 126984.	3.6	5
11	Azotobacter. , 2020, , 397-426.		4
12	Bacterial Pigment Prodigiosin Demonstrates a Unique Antiherpesvirus Activity That Is Mediated through Inhibition of Prosurvival Signal Transducers. Journal of Virology, 2020, 94, .	3.4	20
13	Synthesis, crystal structures and antimicrobial activity of palladium metal complexes of sulfonyl hydrazone ligands. European Journal of Chemistry, 2020, 11, 377-384.	0.6	6
14	Production and characterization of multifacet exopolysaccharide from an agricultural isolate, <i>Bacillus subtilis</i>. Biotechnology and Applied Biochemistry, 2019, 66, 1010-1023.	3.1	8
15	Nano-eco toxicity study of gold nanoparticles on aquatic organism Moina macrocopa: As new versatile ecotoxicity testing model. Environmental Toxicology and Pharmacology, 2019, 68, 4-12.	4.0	16
16	Prospective of <i>Monascus</i> Pigments as an Additive to Commercial Sunscreens. Natural Product Communications, 2019, 14, 1934578X1989409.	0.5	11
17	A novel screening method for potential naringinaseâ€producing microorganisms. Biotechnology and Applied Biochemistry, 2019, 66, 323-327.	3.1	16
18	Synthesis of 2-methyl-5-(5-phenyl substituted-1,3,4 oxadiazole-2-yl) quinazolin-4-one fluorescent brightening agent: Computational and experimental comparison of photophysical structure. Journal of Molecular Structure, 2019, 1182, 150-157.	3.6	5

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19	Bacterial Cellulose-Based Hydrogels: Synthesis, Properties, and Applications. <i>Polymers and Polymeric Composites</i> , 2019, , 1255-1276.	0.6	6
20	<i>Moina macrocopa</i> as a non-target aquatic organism for assessment of ecotoxicity of silver nanoparticles: Effect of size. <i>Chemosphere</i> , 2019, 219, 713-723.	8.2	16
21	New Age Agricultural Bioinputs. , 2019, , 353-380.		5
22	Extracellular red <i>Monascus</i> pigment-mediated rapid one-step synthesis of silver nanoparticles and its application in biomedical and environment. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 715-727.	3.4	21
23	Phytosynthesized Gold Nanoparticles- <i>Bacillus thuringiensis</i> (Bt) GNP Formulation: A Novel Photo Stable Preparation Against Mosquito Larvae. <i>Journal of Cluster Science</i> , 2018, 29, 577-583.	3.3	5
24	Heavy Metal Stress and Its Consequences on Exopolysaccharide (EPS)-Producing <i>Pantoea agglomerans</i> . <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 199-216.	2.9	82
25	Fabrication of Paper Sensor for Rapid Screening of Nanomaterial Synthesizing Potential of Plants. <i>Journal of Cluster Science</i> , 2018, 29, 737-742.	3.3	4
26	Bacterial Cellulose-Based Hydrogels: Synthesis, Properties, and Applications. <i>Polymers and Polymeric Composites</i> , 2018, , 1-22.	0.6	2
27	Antimicrobial activity of prodigiosin is attributable to plasma-membrane damage. <i>Natural Product Research</i> , 2017, 31, 572-577.	1.8	73
28	Mechanistic approach for fabrication of gold nanoparticles by <i>Nitzschia</i> diatom and their antibacterial activity. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1437-1446.	3.4	35
29	Fluconazole treatment enhances extracellular release of red pigments in the fungus <i>Monascus purpureus</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	15
30	Prospective of Microbial Exopolysaccharide for Heavy Metal Exclusion. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 582-600.	2.9	73
31	<i>Monascus</i> Pigments Mediated Rapid Green Synthesis and Characterization of Gold Nanoparticles with Possible Mechanism. <i>Journal of Cluster Science</i> , 2017, 28, 2719-2732.	3.3	12
32	In Situ Development of Nanosilver-Impregnated Bacterial Cellulose for Sustainable Released Antimicrobial Wound Dressing. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2016, 14, 53-58.	1.6	17
33	Impact of Microbial Cellulases on Microbial Cellulose Biotechnology. , 2016, , 31-40.		2
34	Trypsin inactivation by latex fabricated gold nanoparticles: A new strategy towards insect control. <i>Enzyme and Microbial Technology</i> , 2016, 92, 18-25.	3.2	62
35	Use of protease inhibitory gold nanoparticles as a compatibility enhancer for Bt and deltamethrin: A novel approach for pest control. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 8-12.	3.1	3
36	Improved method for effective screening of ACC (1-aminocyclopropane-1-carboxylate) deaminase producing microorganisms. <i>Journal of Microbiological Methods</i> , 2016, 131, 102-104.	1.6	12

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37	Is there a common water-activity limit for the three domains of life?. ISME Journal, 2015, 9, 1333-1351.	9.8	229
38	Bio-Functionalized Silver Nanoparticles: a Novel Colorimetric Probe for Cysteine Detection. Applied Biochemistry and Biotechnology, 2015, 175, 3479-3493.	2.9	29
39	Mosquito larvicidal and pupaecidal potential of prodigiosin from <i>Serratia marcescens</i> and understanding its mechanism of action. Pesticide Biochemistry and Physiology, 2015, 123, 49-55.	3.6	49
40	Innovative approach for urease inhibition by <i>Ficus carica</i> extract fabricated silver nanoparticles: An <i>in vitro</i> study. Biotechnology and Applied Biochemistry, 2015, 62, 780-784.	3.1	19
41	Studies on endosulfan degradation by local isolate <i>Pseudomonas aeruginosa</i> . Biocatalysis and Agricultural Biotechnology, 2015, 4, 259-265.	3.1	19
42	<i>In vitro</i> antiparasitic activity of microbial pigments and their combination with phytosynthesized metal nanoparticles. Parasitology International, 2015, 64, 353-356.	1.3	69
43	Effect of Different Carbon Sources on Morphology and Silver Accumulation in <i>Cochliobolus lunatus</i> . Applied Biochemistry and Biotechnology, 2015, 177, 1409-1423.	2.9	4
44	Biofunctionalized silver nanoparticles as a novel colorimetric probe for melamine detection in raw milk. Biotechnology and Applied Biochemistry, 2015, 62, 652-662.	3.1	25
45	Screening of Rubiaceae and Apocynaceae extracts for mosquito larvicidal potential. Natural Product Research, 2015, 29, 353-358.	1.8	11
46	Investigation of Bacterial Cellulose Biosynthesis Mechanism in <i>Gluconoacetobacter hansenii</i> , 2014, 2014, 1-7.		6
47	A novel biomaterial: bacterial cellulose and its new era applications. Biotechnology and Applied Biochemistry, 2014, 61, 101-110.	3.1	172
48	Transformation of aromatic dyes using green synthesized silver nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 1695-1705.	3.4	22
49	Plant Extract: A Promising Biomatrix for Ecofriendly, Controlled Synthesis of Silver Nanoparticles. Applied Biochemistry and Biotechnology, 2014, 173, 1-29.	2.9	170
50	Physical, structural, mechanical and thermal characterization of bacterial cellulose by <i>G. hansenii</i> NCIM 2529. Carbohydrate Polymers, 2014, 106, 132-141.	10.2	108
51	Studies on Production and Biological Potential of Prodigiosin by <i>Serratia marcescens</i> . Applied Biochemistry and Biotechnology, 2014, 173, 1209-1221.	2.9	72
52	Mercury sensing and toxicity studies of novel latex fabricated silver nanoparticles. Bioprocess and Biosystems Engineering, 2014, 37, 2223-2233.	3.4	18
53	Bacterial cellulose of <i>Gluconoacetobacter hansenii</i> as a potential bioadsorption agent for its green environment applications. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 2053-2065.	3.5	33
54	Nematicidal activity of microbial pigment from <i>Serratia marcescens</i> . Natural Product Research, 2014, 28, 1399-1404.	1.8	55

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55	Phytolates synthesized gold nanoparticles as novel agent to enhance sun protection factor of commercial sunscreens. <i>International Journal of Cosmetic Science</i> , 2014, 36, 571-578.	2.6	31
56	Inhibition of restriction endonucleases by biofunctionalized silver nanoparticles: An in vitro study. <i>Materials Letters</i> , 2014, 134, 24-26.	2.6	5
57	Catalytic and synergistic antibacterial potential of green synthesized silver nanoparticles: Their ecotoxicological evaluation on <i>Poecilia reticulata</i> . <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 385-394.	3.1	12
58	Mosquito Larvicidal Potential of <i>Gossypium hirsutum</i> (Bt cotton) Leaves Extracts against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> larvae. <i>Journal of Arthropod-Borne Diseases</i> , 2014, 8, 91-101.	0.9	1
59	Alteration in <i>Bacillus thuringiensis</i> toxicity by curing gut flora: novel approach for mosquito resistance management. <i>Parasitology Research</i> , 2013, 112, 3283-3288.	1.6	39
60	<i>Ficus carica</i> Latex-Mediated Synthesis of Silver Nanoparticles and Its Application as a Chemoprotective Agent. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 676-688.	2.9	28
61	Effect of wax degrading bacteria on life cycle of the pink hibiscus mealybug, <i>Maconellicoccus hirsutus</i> (Green) (Hemiptera: Pseudococcidae). <i>BioControl</i> , 2013, 58, 535-542.	2.0	8
62	Enhanced Production of Bacterial Cellulose by Using <i>Gluconacetobacter hansenii</i> NCIM 2529 Strain Under Shaking Conditions. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1497-1511.	2.9	39
63	Amoebicidal activity of phytosynthesized silver nanoparticles and their <i>in vitro</i> cytotoxicity to human cells. <i>FEMS Microbiology Letters</i> , 2013, 345, 127-131.	1.8	34
64	Statistical optimization of culture conditions for enhanced bacterial cellulose production by <i>Gluconoacetobacter hansenii</i> NCIM 2529. <i>Cellulose</i> , 2012, 19, 1655-1666.	4.9	26
65	Biosynthesis of Silver Nanoparticles Using Latex from Few Euphorbian Plants and Their Antimicrobial Potential. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 776-790.	2.9	116
66	Larvicidal activity of silver nanoparticles synthesized using <i>Plumeria rubra</i> plant latex against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2012, 110, 1815-1822.	1.6	159
67	Insecticidal potency of bacterial species <i>Bacillus thuringiensis</i> SV2 and <i>Serratia nematodiphila</i> SV6 against larvae of mosquito species <i>Aedes aegypti</i> , <i>Anopheles stephensi</i> , and <i>Culex quinquefasciatus</i> . <i>Parasitology Research</i> , 2012, 110, 1841-1847.	1.6	31
68	Larvicidal activity of silver nanoparticles synthesized using <i>Pergularia daemia</i> plant latex against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> and nontarget fish <i>Poecilia reticulata</i> . <i>Parasitology Research</i> , 2012, 111, 555-562.	1.6	127
69	Studies on life cycle of mealybug, <i>Maconellicoccus hirsutus</i> (Green) (Hemiptera: Pseudococcidae), on different hosts at different constant temperatures. <i>Crop Protection</i> , 2011, 30, 1553-1556.	2.1	7
70	Bioefficacy of <i>Plumbago zeylanica</i> (Plumbaginaceae) and <i>Cestrum nocturnum</i> (Solanaceae) plant extracts against <i>Aedes aegypti</i> (Diptera: Culicidae) and nontarget fish <i>Poecilia reticulata</i> . <i>Parasitology Research</i> , 2011, 108, 1253-1263.	1.6	61
71	Larvicidal potential of silver nanoparticles synthesized using fungus <i>Cochliobolus lunatus</i> against <i>Aedes aegypti</i> (Linnaeus, 1762) and <i>Anopheles stephensi</i> Liston (Diptera; Culicidae). <i>Parasitology Research</i> , 2011, 109, 823-831.	1.6	174
72	Prodigiosin produced by <i>Serratia marcescens</i> NMCC46 as a mosquito larvicidal agent against <i>Aedes aegypti</i> and <i>Anopheles stephensi</i> . <i>Parasitology Research</i> , 2011, 109, 1179-1187.	1.6	87

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73	Studies on Characterization of Biofloculant Exopolysaccharide of <i>Azotobacter indicus</i> and Its Potential for Wastewater Treatment. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 463-472.	2.9	72
74	Studies on Amendment of Different Biopolymers in Sandy Loam and Their Effect on Germination, Seedling Growth of <i>Gossypium herbaceum</i> L.. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 780-791.	2.9	12
75	Studies on Silver Accumulation and Nanoparticle Synthesis By <i>Cochliobolus lunatus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 221-234.	2.9	61
76	Biofloculant Exopolysaccharide Production by <i>Azotobacter indicus</i> Using Flower Extract of <i>Madhuca latifolia</i> L. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1095-1108.	2.9	36
77	Potential of extracts of the tropical plant <i>Balanites aegyptiaca</i> (L) Del. (Balanitaceae) to control the mealy bug, <i>Maconellicoccus hirsutus</i> (Homoptera: Pseudococcidae). <i>Crop Protection</i> , 2010, 29, 1293-1296.	2.1	22