

# Tollamadugu N V K V Prasad

## List of Publications by Citations

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47  
papers

2,105  
citations

19  
h-index

45  
g-index

48  
ext. papers

2,421  
ext. citations

2.9  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
47	EFFECT OF NANOSCALE ZINC OXIDE PARTICLES ON THE GERMINATION, GROWTH AND YIELD OF PEANUT. <i>Journal of Plant Nutrition</i> , <b>2012</b> , 35, 905-927	2.3	539
46	Biofabrication of Ag nanoparticles using Moringa oleifera leaf extract and their antimicrobial activity. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2011</b> , 1, 439-42	1.4	195
45	Novel Effects of Nanoparticulate Delivery of Zinc on Growth, Productivity, and Zinc Biofortification in Maize ( <i>Zea mays</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 3778-88	5.7	127
44	Application of phytogetic zerovalent iron nanoparticles in the adsorption of hexavalent chromium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 116, 17-25	4.4	123
43	Phyconanotechnology: synthesis of silver nanoparticles using brown marine algae <i>Cystophora moniliformis</i> and their characterisation. <i>Journal of Applied Phycology</i> , <b>2013</b> , 25, 177-182	3.2	119
42	Occurrence, physiological responses and toxicity of nickel in plants. <i>International Journal of Environmental Science and Technology</i> , <b>2013</b> , 10, 1129-1140	3.3	118
41	Plant growth promoting rhizobacteria for sustainable agricultural practices with special reference to biotic and abiotic stresses. <i>Plant Growth Regulation</i> , <b>2018</b> , 84, 603-615	3.2	105
40	Green synthesis and spectral characterization of silver nanoparticles from Lakshmi tulasi ( <i>Ocimum sanctum</i> ) leaf extract. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 103, 156-9	4.4	96
39	Simple and rapid biosynthesis of stable silver nanoparticles using dried leaves of <i>Catharanthus roseus</i> . Linn. G. Donn and its anti microbial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 105, 194-8	6.8	85
38	Synthesis, characterization and evaluation of effect of phytogetic zinc nanoparticles on soil exo-enzymes. <i>Applied Nanoscience (Switzerland)</i> , <b>2014</b> , 4, 819-827	3.3	67
37	Synthesis, characterization, and evaluation of the antimicrobial efficacy of <i>Boswellia ovalifoliolata</i> stem bark-extract-mediated zinc oxide nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 581-590	3.3	58
36	A Critical Review on Biogenic Silver Nanoparticles and their Antimicrobial Activity. <i>Current Nanoscience</i> , <b>2011</b> , 7, 531-544	1.4	53
35	Biofabrication of silver nanoparticles using <i>Andrographis paniculata</i> . <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 73, 135-40	6.8	49
34	Dielectric and pyroelectric properties of BSNN ceramics: effect of Ba/Sr ratio and La <sub>2</sub> O <sub>3</sub> addition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 98, 279-285	3.1	38
33	First evidence on phloem transport of nanoscale calcium oxide in groundnut using solution culture technique. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 545-551	3.3	32
32	Synthesis of silver nanoparticles from stem bark of <i>Cochlospermum religiosum</i> (L.) Alston: an important medicinal plant and evaluation of their antimicrobial efficacy. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 827-835	3.3	31
31	Synthesis, characterization and antimicrobial activity of <i>Alstonia scholaris</i> bark-extract-mediated silver nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , <b>2014</b> , 4, 161-170	7.6	29

30	Conjunctive effect of CMC-zero-valent iron nanoparticles and FYM in the remediation of chromium-contaminated soils. <i>Applied Nanoscience (Switzerland)</i> , <b>2014</b> , 4, 477-484	3.3	21
29	Evaluation of the antimicrobial efficacy of phyto-genic silver nanoparticles. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2011</b> , 1, S82-S85	1.4	21
28	Synthesis, characterization and evaluation of antimicrobial efficacy and brine shrimp lethality assay of stem bark extract mediated ZnONPs. <i>Biochemistry and Biophysics Reports</i> , <b>2018</b> , 14, 69-77	2.2	18
27	Unprecedented Synergistic Effects of Nanoscale Nutrients on Growth, Productivity of Sweet Sorghum [ <i>Sorghum bicolor</i> (L.) Moench], and Nutrient Biofortification. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1075-1084	5.7	17
26	Evaluation of the antimicrobial activity and cytotoxicity of phyto-genic gold nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 595-602	3.3	16
25	In vitro evaluation of acaricidal activity of novel green silver nanoparticles against deltamethrin resistance <i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>microplus</i> . <i>Veterinary Parasitology</i> , <b>2017</b> , 237, 130-136	2.8	14
24	Harvesting Au Nanoparticles from <i>Carthamus tinctorius</i> Flower Extract and Evaluation of Their Antimicrobial Activity. <i>Advanced Science Letters</i> , <b>2012</b> , 5, 124-130	0.1	12
23	Ficus Fruit-mediated Biosynthesis of Silver Nanoparticles and their Antibacterial Activity Against Antibiotic Resistant <i>E. coli</i> Strains. <i>Current Nanoscience</i> , <b>2015</b> , 11, 527-538	1.4	12
22	Size dependent effects of antifungal phyto-genic silver nanoparticles on germination, growth and biochemical parameters of rice (L), maize (L) and peanut (L). <i>IET Nanobiotechnology</i> , <b>2017</b> , 11, 277-285	2	11
21	Effects of a Barite Mine on Ground Water Quality in Andhra Pradesh, India. <i>Mine Water and the Environment</i> , <b>2007</b> , 26, 119-123	2.4	11
20	Marine Algae Mediated Synthesis of Silver Nanoparticles using <i>Scaberia agardhii</i> Greville. <i>Journal of Biological Sciences</i> , <b>2013</b> , 13, 566-569	0.4	11
19	Evaluation of the wound healing efficacy of chemical and phyto-genic silver nanoparticles. <i>IET Nanobiotechnology</i> , <b>2016</b> , 10, 340-348	2	9
18	Evaluation of therapeutic potential of nanosilver particles synthesised using aloin in experimental murine mastitis model. <i>IET Nanobiotechnology</i> , <b>2013</b> , 7, 78-82	2	8
17	Influence of Pr <sub>2</sub> O <sub>3</sub> and Nd <sub>2</sub> O <sub>3</sub> on Ferroelectric and Pyroelectric Properties of Tungsten Bronze Structured BSNN Ceramics. <i>Ferroelectrics, Letters Section</i> , <b>2003</b> , 30, 25-39	0.5	8
16	Synthesis, characterization and antimicrobial activity of the micro/nano structured biogenic silver doped calcium phosphate. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 31-41	3.3	6
15	Novel synthesis of nanosilver particles using plant active principle aloin and evaluation of their cytotoxic effect against <i>Staphylococcus aureus</i> . <i>Asian Pacific Journal of Tropical Disease</i> , <b>2014</b> , 4, S92-S96		6
14	Green Synthesis of Silver Nanoparticles Using <i>Citrus Reticulata</i> Juice and Evaluation of their Antibacterial Activity and Cytotoxicity Against Melanoma-B16/F10 Cells. <i>Current Nanoscience</i> , <b>2013</b> , 9, 457-462	1.4	6
13	<i>Aspergillus</i> and <i>Fusarium</i> control in the early stages of <i>Arachis hypogaea</i> (groundnut crop) by plant growth-promoting rhizobacteria (PGPR) consortium. <i>Microbiological Research</i> , <b>2020</b> , 240, 126562	5.3	6

12	Evaluation of the effect of indigenous mycogenic silver nanoparticles on soil exo-enzymes in barite mine contaminated soils. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 505-513	3.3	5
11	Fabrication Of Biogenic Silver Nanoparticles Using Agricultural Crop Plant Leaf Extracts <b>2010</b> ,		5
10	Synthesis and characterisation of neem leaf extract, 2, 3-dehydrosalanol and quercetin dihydrate mediated silver nano particles for therapeutic applications. <i>IET Nanobiotechnology</i> , <b>2017</b> , 11, 383-389	2	4
9	Antimicrobial kinetics of Alstonia scholaris bark extract-mediated AgNPs. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 779-787	3.3	3
8	LEAD BARIUM POTASSIUM SODIUM NIOBATE CERAMICS FOR PIEZOELECTRIC APPLICATIONS. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 1961-1976	1.1	3
7	Nano-ellagic acid: inhibitory actions on aldose reductase and $\alpha$ -glucosidase in secondary complications of diabetes, strengthened by docking studies. <i>3 Biotech</i> , <b>2020</b> , 10, 439	2.8	3
6	Synthesis and characterization of phytogetic zinc nanoparticles and their antimicrobial activity <b>2013</b> ,		2
5	First report on soapnut extract-mediated synthesis of sulphur-substituted nanoscale NdFeB permanent magnets and their characterization. <i>Applied Nanoscience (Switzerland)</i> , <b>2017</b> , 7, 389-398	3.3	1
4	Rapid synthesis of silver nanoparticles from <i>Polylthia longifolia</i> leaves. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2012</b> , 2, S663-S666		1
3	First report on rapid screening of nanomaterial-based antimicrobial agents against $\beta$ -lactamase resistance using pGLO plasmid transformed <i>Escherichia coli</i> HB 101 K-12. <i>Applied Nanoscience (Switzerland)</i> , <b>2016</b> , 6, 941-949	3.3	0
2	Temperature-Dependent Extracellular Synthesis and Characterization of Nanoscale Calcium Pyrophosphate Crystals Using Marine Thermophilic Bacteria. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2016</b> , 46, 189-201		
1	A First Report on the Effects of Nanoscale Nutrients on Fermentation Process and Bio-Ethanol Production from Bio-Fortified Sweet Sorghum. <i>Sugar Tech</i> , 1	1.9	