

# V Gopinath

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,451  
citations

331670

21  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of silver nanoparticles from <i>Tribulus terrestris</i> and its antimicrobial activity: A novel biological approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 96, 69-74.	5.0	419
2	Synthesis of anisotropic silver nanoparticles using novel strain, <i>Bacillus flexus</i> and its biomedical application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 232-237.	5.0	268
3	Green synthesis of anisotropic zinc oxide nanoparticles with antibacterial and cytofriendly properties. <i>Microbial Pathogenesis</i> , 2018, 115, 57-63.	2.9	202
4	A review of natural polysaccharides for drug delivery applications: Special focus on cellulose, starch and glycogen. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 96-108.	5.6	196
5	Extracellular biosynthesis of silver nanoparticles using <i>Bacillus</i> sp. GP-23 and evaluation of their antifungal activity towards <i>Fusarium oxysporum</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 106, 170-174.	3.9	167
6	Synthesis and characterization of CdS nanoparticles using C-phycoerythrin from the marine cyanobacteria. <i>Materials Letters</i> , 2012, 74, 8-11.	2.6	152
7	Biogenic synthesis, characterization of antibacterial silver nanoparticles and its cell cytotoxicity. <i>Arabian Journal of Chemistry</i> , 2017, 10, 1107-1117.	4.9	148
8	One pot synthesis and anti-biofilm potential of copper nanoparticles (CuNPs) against clinical strains of <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2015, 31, 379-391.	2.2	139
9	Biogenic synthesis of antibacterial silver chloride nanoparticles using leaf extracts of <i>Cissua quadrangularis</i> Linn. <i>Materials Letters</i> , 2013, 91, 224-227.	2.6	110
10	Graphene Oxide-Gold Nanosheets Containing Chitosan Scaffold Improves Ventricular Contractility and Function After Implantation into Infarcted Heart. <i>Scientific Reports</i> , 2018, 8, 15069.	3.3	82
11	In vitro toxicity, apoptosis and antimicrobial effects of phyto-mediated copper oxide nanoparticles. <i>RSC Advances</i> , 2016, 6, 110986-110995.	3.6	72
12	Anti- <i>Helicobacter pylori</i> , cytotoxicity and catalytic activity of biosynthesized gold nanoparticles: Multifaceted application. <i>Arabian Journal of Chemistry</i> , 2019, 12, 33-40.	4.9	72
13	An inhibitory action of chitosan nanoparticles against pathogenic bacteria and fungi and their potential applications as biocompatible antioxidants. <i>Microbial Pathogenesis</i> , 2018, 114, 323-327.	2.9	56
14	Mixed-ligand copper(II) complex of quercetin regulate osteogenesis and angiogenesis. <i>Materials Science and Engineering C</i> , 2018, 83, 187-194.	7.3	46
15	Multifunctional applications of natural polysaccharide starch and cellulose: An update on recent advances. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112492.	5.6	43
16	Emerging plant-based anti-cancer green nanomaterials in present scenario. <i>Comprehensive Analytical Chemistry</i> , 2019, 87, 291-318.	1.3	38
17	Effect of hybridization on properties of hemp-carbon fibre-reinforced hybrid polymer composites using experimental and finite element analysis. <i>World Journal of Engineering</i> , 2019, 16, 248-259.	1.6	36
18	Fabrication of tri-layered electrospun polycaprolactone mats with improved sustained drug release profile. <i>Scientific Reports</i> , 2020, 10, 18179.	3.3	33

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19	Attenuation of oxidative stress induced mitochondrial dysfunction and cytotoxicity in fibroblast cells by sulfated polysaccharide from <i>Padina gymnospora</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 124, 50-59.	7.5	27
20	Synthesis of biocompatible chitosan decorated silver nanoparticles biocomposites for enhanced antimicrobial and anticancer property. <i>Process Biochemistry</i> , 2020, 99, 348-356.	3.7	27
21	Phytosynthesis of biohybrid nano-silver anchors enhanced size dependent photocatalytic, antibacterial, anticancer properties and cytocompatibility. <i>Process Biochemistry</i> , 2021, 101, 59-71.	3.7	22
22	Synthesis of a novel organosoluble, biocompatible, and antibacterial chitosan derivative for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45905.	2.6	21
23	<i>Helicobacter pylori</i> outer inflammatory protein A (OipA) suppresses apoptosis of AGS gastric cells in vitro. <i>Cellular Microbiology</i> , 2017, 19, e12771.	2.1	20
24	Melatonin delivery from PCL scaffold enhances glycosaminoglycans deposition in human chondrocytes – Bioactive scaffold model for cartilage regeneration. <i>Process Biochemistry</i> , 2020, 99, 36-47.	3.7	17
25	Transcriptome analysis of <i>Burkholderia pseudomallei</i> SCV reveals an association with virulence, stress resistance and intracellular persistence. <i>Genomics</i> , 2020, 112, 501-512.	2.9	12
26	Facile manufacturing of fused-deposition modeled composite scaffolds for tissue engineering – an embedding model with plasticity for incorporation of additives. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 015028.	3.3	11
27	Facile In-Situ Fabrication of a Ternary ZnO/TiO <sub>2</sub> /Ag Nanocomposite for Enhanced Bactericidal and Biocompatibility Properties. <i>Antibiotics</i> , 2021, 10, 86.	3.7	7
28	Large-scale hybrid silver nanowall-reduced graphene oxide biofilm: A novel morphology by facile electrochemical deposition. <i>Surface and Coatings Technology</i> , 2018, 347, 297-303.	4.8	4
29	In vitro augmentation of chondrogenesis by Epigallocatechin gallate in primary Human chondrocytes - Sustained release model for cartilage regeneration. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 101992.	3.0	4