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## Silver nanoparticles as potential antibacterial agents

DOI: 10.3390/molecules20058856  
Molecules, 2015, 20, 8856-74.

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**Version:** 2024-04-27

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#	Paper	IF	Citations
1051	Nanotoxicity: An Interplay of Oxidative Stress, Inflammation and Cell Death. <b>2015</b> , 5, 1163-1180		287
1050	Sumac silver novel biodegradable nano composite for bio-medical application: antibacterial activity. <i>Molecules</i> , <b>2015</b> , 20, 12946-58	4.8	19
1049	Enhanced Bactericidal Activity of Silver Thin Films Deposited via Aerosol-Assisted Chemical Vapor Deposition. <b>2015</b> , 7, 28616-23		15
1048	Nanomedicine in the ROS-mediated pathophysiology: Applications and clinical advances. <b>2015</b> , 11, 2033-40		36
1047	Fungi as an efficient mycosystem for the synthesis of metal nanoparticles: progress and key aspects of research. <b>2015</b> , 37, 2099-120		105
1046	Novel antibacterial electrospun materials based on polyelectrolyte complexes of a quaternized chitosan derivative. <b>2015</b> , 5, 54517-54526		10
1045	Silver nanoparticle anchored carbon dots for improved sensing, catalytic and intriguing antimicrobial activity. <b>2015</b> , 44, 20692-707		35
1044	Bioactivity of noble metal nanoparticles decorated with biopolymers and their application in drug delivery. <b>2015</b> , 496, 159-72		85
1043	Biomimetic Synthesis of Silver Nanoparticles Using Endosymbiotic Bacterium Inhabiting <i>Euphorbia hirta</i> L. and Their Bactericidal Potential. <b>2016</b> , 2016, 9020239		14
1042	New silver nanoparticles induce apoptosis-like process in and interfere with mammalian copper metabolism. <b>2016</b> , 11, 6561-6574		12
1041	An integrated study on antimicrobial activity and ecotoxicity of quantum dots and quantum dots coated with the antimicrobial peptide indolicidin. <b>2016</b> , 11, 4199-211		51
1040	Ultrasmall, Ligand-Free Ag Nanoparticles with High Antibacterial Activity Prepared by Pulsed Laser Ablation in Liquid. <b>2016</b> , 2016, 1-8		14
1039	<i>Vitis vinifera</i> Assisted Silver Nanoparticles with Antibacterial and Antiproliferative Activity against Ehrlich Ascites Carcinoma Cells. <b>2016</b> , 2016, 1-9		11
1038	In vitro and in vivo antimicrobial activity of combined therapy of silver nanoparticles and visible blue light against <i>Pseudomonas aeruginosa</i> . <b>2016</b> , 11, 1749-58		29
1037	Antimicrobial Drugs in Fighting against Antimicrobial Resistance. <b>2016</b> , 7, 470		61
1036	Biomaterials with Antibacterial and Osteoinductive Properties to Repair Infected Bone Defects. <b>2016</b> , 17, 334		74
1035	Marine Antimicrobial Peptides: Nature Provides Templates for the Design of Novel Compounds against Pathogenic Bacteria. <b>2016</b> , 17,		79

1034	Silver Nanocoating Technology in the Prevention of Prosthetic Joint Infection. <b>2016</b> , 9,		35
1033	Synthesis and Structural Characterization of Silver Nanoparticles Stabilized with 3-Mercapto-1-Propansulfonate and 1-Thiogluco- 9, Mixed Thiols for Antibacterial Applications. <b>2016</b> , 9,		47
1032	Nanoparticles: Alternatives Against Drug-Resistant Pathogenic Microbes. <i>Molecules</i> , <b>2016</b> , 21,	4.8	256
1031	Silver Nanocomposite Biosynthesis: Antibacterial Activity against Multidrug-Resistant Strains of <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> . <i>Molecules</i> , <b>2016</b> , 21,	4.8	13
1030	Polylactic Acid-Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. <b>2016</b> , 9,		33
1029	Capping Agent-Dependent Toxicity and Antimicrobial Activity of Silver Nanoparticles: An Study. Concerns about Potential Application in Dental Practice. <b>2016</b> , 13, 772-782		62
1028	Synthesis of silver nanoparticles from two acidophilic strains of <i>Pilimelia columellifera</i> subsp. <i>pallida</i> and their antibacterial activities. <b>2016</b> , 56, 541-56		27
1027	Calixarene Assisted Rapid Synthesis of Silver-Graphene Nanocomposites with Enhanced Antibacterial Activity. <b>2016</b> , 8, 19038-46		68
1026	Silver Nanoparticle in Agroecosystem: Applicability on Plant and Risk-Benefit Assessment. <b>2016</b> , 293-305		1
1025	High performance bio-based hyperbranched polyurethane/carbon dot-silver nanocomposite: a rapid self-expandable stent. <b>2016</b> , 8, 045013		40
1024	Rapid synthesis of silver nanoparticles by isolated from textile soil under optimised conditions and evaluation of their antimicrobial and cytotoxicity properties. <b>2016</b> , 10, 367-373		24
1023	Physicochemical properties of copper important for its antibacterial activity and development of a unified model. <b>2015</b> , 11, 018902		60
1022	Synthesis of copper-silver bimetallic nanopowders for a biomedical approach; study of their antibacterial properties. <b>2016</b> , 6, 50933-50940		18
1021	Countering drug resistance, infectious diseases, and sepsis using metal and metal oxides nanoparticles: Current status. <b>2016</b> , 146, 70-83		122
1020	Evaluation of AgClNPs@SBA-15/IL nanoparticle-induced oxidative stress and DNA mutation in <i>Escherichia coli</i> . <b>2016</b> , 100, 7161-70		9
1019	Inhibition of fibrillation of human serum albumin through interaction with chitosan-based biocompatible silver nanoparticles. <b>2016</b> , 6, 43104-43115		26
1018	Photosynthesized silver-polyaminocyclodextrin nanocomposites as promising antibacterial agents with improved activity. <b>2016</b> , 6, 40090-40099		15
1017	Biosynthesis, Characterization and Antibacterial Effect of Phenolics-Coated Silver Nanoparticles Using <i>Cassia javanica</i> L.. <b>2016</b> , 27, 1485-1497		12

1016	Oral subchronic exposure to silver nanoparticles in rats. <b>2016</b> , 92, 177-87	41
1015	A nanotechnology based new approach for chemotherapy of Cutaneous Leishmaniasis: TiO <sub>2</sub> @Ag nanoparticles - Nigella sativa oil combinations. <b>2016</b> , 166, 150-63	36
1014	Antibacterial effect of silver nanoparticles and capsaicin against MDR-ESBL producing Escherichia coli: An in vitro study. <b>2016</b> , 6, 807-810	16
1013	Rapid Fabrication of Composite Hydrogel Microfibers for Weavable and Sustainable Antibacterial Applications. <b>2016</b> , 4, 6534-6542	40
1012	Antimicrobial properties and dental pulp stem cell cytotoxicity using carboxymethyl cellulose-silver nanoparticles deposited on titanium plates. <b>2016</b> , 2, 60-67	7
1011	Characteristics of multi-layer coatings synthesized on Ti6Al4V alloy by micro-arc oxidation in silver nitrate added electrolytes. <b>2016</b> , 307, 308-315	32
1010	Sulfur and sulfur nanoparticles as potential antimicrobials: from traditional medicine to nanomedicine. <b>2016</b> , 14, 969-78	37
1009	Antibacterial activity of graphene-based materials. <b>2016</b> , 4, 6892-6912	186
1008	Enhanced stability and activity of an antimicrobial peptide in conjugation with silver nanoparticle. <b>2016</b> , 483, 385-393	73
1007	Properties of silver nanoparticles influencing their uptake in and toxicity to the earthworm Lumbricus rubellus following exposure in soil. <b>2016</b> , 218, 870-878	49
1006	Governing factors affecting the impacts of silver nanoparticles on wastewater treatment. <b>2016</b> , 572, 852-873	40
1005	Synthesis, characterization and antibacterial activity of a biocompatible silver complex based on 2,2'-bipyridine and 5-sulfoisophthalate. <b>2016</b> , 451, 143-147	18
1004	Antimicrobial and cytotoxicity evaluation of colloidal chitosan - silver nanoparticles - fluoride nanocomposites. <b>2016</b> , 93, 896-903	36
1003	A combination of silver nanoparticles and visible blue light enhances the antibacterial efficacy of ineffective antibiotics against methicillin-resistant Staphylococcus aureus (MRSA). <b>2016</b> , 15, 48	48
1002	Bio-fabricated silver nanoparticles preferentially targets Gram positive depending on cell surface charge. <b>2016</b> , 83, 548-558	49
1001	Fluorescein dye derivatives and their nanohybrids: Synthesis, characterization and antimicrobial activity. <b>2016</b> , 162, 421-433	12
1000	Silver nanoparticle-enriched diamond-like carbon implant modification as a mammalian cell compatible surface with antimicrobial properties. <b>2016</b> , 6, 22849	36
999	Novel glyconanoconjugates: synthesis, characterization and bioapplications. <b>2016</b> , 6, 105806-105813	12

998	Peptides conjugated to silver nanoparticles in biomedicine - a "value-added" phenomenon. <b>2016</b> , 4, 1713-1725	25
997	Durable antibacterial and UV protective properties of cellulose fabric functionalized with Ag/TiO <sub>2</sub> nanocomposite during dyeing with reactive dyes. <b>2016</b> , 23, 2199-2209	26
996	Seaweeds: A resource for marine bionanotechnology. <b>2016</b> , 95, 45-57	86
995	Facile Biosynthesis of Silver Nanoparticles Using <i>Descurainia sophia</i> and Evaluation of Their Antibacterial and Antifungal Properties. <b>2016</b> , 27, 1601-1612	51
994	Functionalized polymeric silver nanoparticle hybrid network as a dual antimicrobe: Synthesis, characterization, and antibacterial application. <b>2016</b> , 133, n/a-n/a	4
993	A Green Approach for the Synthesis of Silver Nanoparticles Using Root Extract of <i>Chelidonium majus</i> : Characterization and Antibacterial Evaluation. <b>2016</b> , 27, 421-429	29
992	Tannic acid-mediated green synthesis of antibacterial silver nanoparticles. <b>2016</b> , 39, 465-473	42
991	Effects of oral exposure to silver nanoparticles on the sperm of rats. <b>2016</b> , 60, 133-9	36
990	Control of biofilm-associated infections by signaling molecules and nanoparticles. <b>2016</b> , 510, 409-18	22
989	Distribution of Silica-Coated Silver/Gold Nanostars in Soft- and Hardwood Applying SERS-Based Imaging. <b>2016</b> , 32, 274-83	5
988	Silver nanoparticles of 70 nm and 20 nm affect differently the biology of human neutrophils. <b>2016</b> , 13, 375-85	28
987	Silver nanoparticles: A new view on mechanistic aspects on antimicrobial activity. <b>2016</b> , 12, 789-799	778
986	Biological evaluation of nanosilver incorporated cellulose pulp for hygiene products. <b>2016</b> , 61, 631-7	9
985	Nanoparticles and nanofibers for topical drug delivery. <b>2016</b> , 240, 77-92	284
984	Role of stabilizing agents in the formation of stable silver nanoparticles in aqueous solution: Characterization and stability study. <b>2017</b> , 38, 626-631	22
983	Investigational nanomedicines in 2016: a review of nanotherapeutics currently undergoing clinical trials. <b>2017</b> , 9, e1416	235
982	Development and Antibacterial Performance of Novel Polylactic Acid-Graphene Oxide-Silver Nanoparticle Hybrid Nanocomposite Mats Prepared By Electrospinning. <b>2017</b> , 3, 471-486	98
981	Heterogenic response of prokaryotes toward silver nanoparticles and ions is facilitated by phenotypes and attachment of silver aggregates to cell surfaces. <b>2017</b> , 91, 775-784	8

980	Synthesis, characterization and biocidal efficiency of quaternary ammonium polymers silver nanohybrids against sulfate reducing bacteria. <b>2017</b> , 230, 163-168	20
979	Renal Clearable Ag Nanodots for in Vivo Computer Tomography Imaging and Photothermal Therapy. <b>2017</b> , 9, 5900-5906	45
978	Graphene Quantum Dot/Silver Nanoparticle Hybrids with Oxidase Activities for Antibacterial Application. <b>2017</b> , 3, 313-321	87
977	Plant-Mediated Synthesis of Silver Nanoparticles and Their Stabilization by Wet Stirred Media Milling. <b>2017</b> , 12, 83	27
976	Microorganisms: new trends in environment-friendly and energy-saving water purification. <b>2017</b> , 263-288	3
975	Stratégies actuelles de lutte contre la résistance aux antibiotiques. <b>2017</b> , 19, 12-19	1
974	Chitosan-based silver nanoparticles: A study of the antibacterial, antileishmanial and cytotoxic effects. <b>2017</b> , 32, 397-410	23
973	Synergistic Action of Silver Nanoparticles Synthesized from Silver Resistant Estuarine <i>Pseudomonas aeruginosa</i> Strain SN5 with Antibiotics against Antibiotic Resistant Bacterial Human Pathogens. <b>2017</b> , 33, 73-80	15
972	Optimization for extracellular biosynthesis of silver nanoparticles by <i>Penicillium aculeatum</i> Su1 and their antimicrobial activity and cytotoxic effect compared with silver ions. <b>2017</b> , 77, 963-971	86
971	An ICP-MS-based platform for release studies on silver-based nanomaterials. <b>2017</b> , 32, 1101-1108	8
970	Electrospinning of Ag Nanowires/polyvinyl alcohol hybrid nanofibers for their antibacterial properties. <b>2017</b> , 78, 706-714	53
969	From Nano to Micro: using nanotechnology to combat microorganisms and their multidrug resistance. <b>2017</b> , 41, 302-322	116
968	Killing of bacteria by copper, cadmium, and silver surfaces reveals relevant physicochemical parameters. <b>2017</b> , 12, 020301	30
967	Preparation of a novel antibacterial chitosan-poly(ethylene glycol) cryogel/silver nanoparticles composites. <b>2017</b> , 28, 1324-1337	11
966	A facile synthesis method of hydroxyethyl cellulose-silver nanoparticle scaffolds for skin tissue engineering applications. <b>2017</b> , 79, 151-160	68
965	Toxicity of silver nanoparticles in biological systems: Does the complexity of biological systems matter?. <b>2017</b> , 276, 11-20	150
964	Dual-crosslinked poly(vinyl alcohol)/sodium alginate/silver nanocomposite beads - A promising antimicrobial material. <b>2017</b> , 234, 103-110	55
963	Biocompatible silver nanoparticles prepared with amino acids and a green method. <b>2017</b> , 49, 379-388	14

962	Effect of silver nanoparticles on the metabolic rate, hematological response, and survival of juvenile white shrimp <i>Litopenaeus vannamei</i> . <b>2017</b> , 169, 716-724	18
961	Evaluation of enhanced darkfield microscopy and hyperspectral analysis to analyse the fate of silver nanoparticles in wastewaters. <b>2017</b> , 9, 3920-3928	21
960	Laser Ablation of Silver in Liquid Organic Monomer: Influence of Experimental Parameters on the Synthesized Silver Nanoparticles/Graphite Colloids. <b>2017</b> , 121, 6646-6654	7
959	Taking the Silver Bullet Colloidal Silver Particles for the Topical Treatment of Biofilm-Related Infections. <b>2017</b> , 9, 21631-21638	30
958	Synthesis of platinum nanoparticles using seaweed <i>Padina gymnospora</i> and their catalytic activity as PVP/PtNPs nanocomposite towards biological applications. <b>2017</b> , 92, 479-490	79
957	Facile green synthesis of baicalein fabricated gold nanoparticles and their antibiofilm activity against <i>Pseudomonas aeruginosa</i> PAO1. <b>2017</b> , 107, 261-269	39
956	Studying the silver nanoparticles influence on thermodynamic behavior and antimicrobial activities of novel amide Gemini cationic surfactants. <b>2017</b> , 76, 871-885	30
955	Electrodeposited chrome/silver nanoparticle (Cr/AgNPs) composite coatings: Characterization and antibacterial activity. <b>2017</b> , 710, 302-311	24
954	Preparing and Testing a Magnetic Antimicrobial Silver Nanocomposite for Water Disinfection To Gain Experience at the Nanochemistry/Microbiology Interface. <b>2017</b> , 94, 488-493	14
953	Novel approach to fabricate polycarbonate antibacterial superhydrophobic surfaces. <b>2017</b> , 31, 2424-2434	5
952	Speciation of metal drugs, supplements and toxins in media and bodily fluids controls in vitro activities. <b>2017</b> , 352, 473-498	132
951	Enhanced Cellular Internalization: A Bactericidal Mechanism More Relative to Biogenic Nanoparticles than Chemical Counterparts. <b>2017</b> , 9, 4519-4533	39
950	Green synthesis of silver nanoparticles using aqueous extract of saffron ( <i>Crocus sativus</i> L.) wastages and its antibacterial activity against six bacteria. <b>2017</b> , 7, 227-233	165
949	Combined Approach for the Development of Efficient and Safe Nanoantimicrobials: The Case of Nanosilver-Modified Polyurethane Foams. <b>2017</b> , 3, 1417-1425	12
948	In vitro evaluation of antimicrobial and antibiofilm potentials of silver nanoparticles biosynthesised by <i>Streptomyces griseorubens</i> . <b>2017</b> , 11, 677-681	7
947	Influence of the laser pulse repetition rate and scanning speed on the morphology of Ag nanostructures fabricated by pulsed laser ablation of solid target in water. <b>2017</b> , 123, 1	5
946	Synergistic antibacterial activity of a combination of silver and copper nanoparticle impregnated activated carbon for water disinfection. <b>2017</b> , 4, 2405-2417	17
945	Bio-mechanochemical synthesis of silver nanoparticles with antibacterial activity. <b>2017</b> , 28, 3307-3312	47

944	Is There a Threshold in the Antibacterial Action of Superhydrophobic Surfaces?. <b>2017</b> , 9, 39781-39789	72
943	Core-Shell Silver Nanoparticles in Endodontic Disinfection Solutions Enable Long-Term Antimicrobial Effect on Oral Biofilms. <b>2017</b> , 9, 34762-34772	27
942	Synthesis, characterization and biological applications of mycosynthesized silver nanoparticles. <b>2017</b> , 7, 333	21
941	Metals and Metal Oxides: Important Nanomaterials With Antimicrobial Activity. <b>2017</b> , 195-222	3
940	Antimicrobial Properties and Therapeutic Applications of Silver Nanoparticles and Nanocomposites. <b>2017</b> , 223-259	5
939	Applications of Metallic Nanoparticles in Antimicrobial Therapy. <b>2017</b> , 411-444	8
938	Nanostructures for Antimicrobial Therapy—the Modern Trends in the Treatment of Bacterial Infections. <b>2017</b> , 445-473	2
937	Zinc oxide nanoparticles provide anti-cholera activity by disrupting the interaction of cholera toxin with the human GM1 receptor. <b>2017</b> , 292, 18303-18311	19
936	Overcoming Multidrug Resistance through the Synergistic Effects of Hierarchical pH-Sensitive, ROS-Generating Nanoreactors. <b>2017</b> , 3, 2431-2442	93
935	Microstructure, electrochemical behaviour and bio-fouling of electrodeposited nickel matrix-silver nanoparticles composite coatings on copper. <b>2017</b> , 328, 266-275	10
934	Antiprotozoal effects of metal nanoparticles against <i>Ichthyophthirius multifiliis</i> . <b>2017</b> , 144, 1802-1810	13
933	Antibacterial activity of PLAL synthesized nanocinnamon. <b>2017</b> , 132, 486-495	21
932	Bioinspired and Biomimetic AgNPs/Gentamicin-Embedded Silk Fibroin Coatings for Robust Antibacterial and Osteogenetic Applications. <b>2017</b> , 9, 25830-25846	82
931	Epoxy-silica/clay nanocomposite for silver-based antibacterial thin coatings: Synthesis and structural characterization. <b>2017</b> , 508, 332-341	14
930	Effect of Filler Properties on the Antioxidant Response of Thermoplastic Starch Composites. <b>2017</b> , 337-369	27
929	A comparative analysis of antibacterial activity, dynamics, and effects of silver ions and silver nanoparticles against four bacterial strains. <b>2017</b> , 123, 304-310	57
928	Biomimetic synthesis of AgNPs from strain FGCC/BLS1 by optimising physico-cultural conditions and assessment of their antimicrobial potential. <b>2017</b> , 11, 576-583	6
927	A green approach to prepare Ag NPs loaded IC/PVA polymeric film for antimicrobial applications. <b>2017</b> , 54, 835-842	1



926	Role of Nanoparticles in Treatment of Human Parasites. <b>2017</b> , 307-333	3
925	Antimicrobial Activities of Metal Nanoparticles. <b>2017</b> , 337-363	15
924	Medicinal Plant Leaf Extract and Pure Flavonoid Mediated Green Synthesis of Silver Nanoparticles and their Enhanced Antibacterial Property. <b>2017</b> , 7, 15867	287
923	Synthesis of carbon nanoparticles from mustard oil and evaluation of their antibacterial activity against dental caries. <b>2017</b> , 12, 799-802	0
922	Fabrication of ascorbyl palmitate loaded poly(caprolactone)/silver nanoparticle embedded poly(vinyl alcohol) hybrid nanofibre mats as active wound dressings via dual-spinneret electrospinning. <b>2017</b> , 7, 31310-31318	25
921	Multifunctional biosynthesized silver nanoparticles exhibiting excellent antimicrobial potential against multi-drug resistant microbes along with remarkable anticancerous properties. <b>2017</b> , 80, 659-669	34
920	Correlation of edge truncation with antibacterial activity of plate-like anisotropic silver nanoparticles. <b>2017</b> , 24, 20429-20437	5
919	Biosynthesis of silver nanoparticle (AgNPs) using Lactobacillus and their effects on oxidative stress biomarkers in rats. <b>2017</b> , 29, 462-467	51
918	A novel management of streptococcal pharyngotonsillar infections by laser-activated silver nanoparticles and methylene blue conjugate, in vitro study. <b>2017</b> , 100, 114-118	
917	Fabrication of oxide layer on zirconium by micro-arc oxidation: Structural and antimicrobial characteristics. <b>2017</b> , 71, 565-569	26
916	Assessment of antibacterial activity of two different sizes of colloidal silver nanoparticle (cAgNPs) against <i>Vibrio harveyi</i> isolated from shrimp <i>Litopenaeus vannamei</i> . <b>2017</b> , 25, 463-472	6
915	Actinobacterial-mediated synthesis of silver nanoparticles and their activity against pathogenic bacteria. <b>2017</b> , 11, 336-342	29
914	Effect of silver nano-particles on soil microbial growth, activity and community diversity in a sandy loam soil. <b>2017</b> , 220, 504-513	88
913	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. <b>2017</b> , 51, 191-201	13
912	Noble metal-modified octahedral anatase titania particles with enhanced activity for decomposition of chemical and microbiological pollutants. <b>2017</b> , 318, 121-134	51
911	Antimicrobial activity of silver nanoparticles synthesized using honey and gamma radiation against silver-resistant bacteria from wounds and burns. <b>2017</b> , 8, 045009	12
910	The effect of biologically and chemically synthesized silver nanoparticles (AgNPs) on biofilm formation. <b>2017</b> , 22, 00029	
909	Nano-safety Research: Examining the Associations among the Biological Effects of Nanoparticles and Their Physicochemical Properties and Kinetics. <b>2017</b> , 40, 243-248	24

908	Biocompatible antimicrobial cotton fibres for healthcare industries: a biogenic approach for synthesis of bio-organic-coated silver nanoparticles. <b>2017</b> , 11, 1046-1051		3
907	Size selectivity in antibiofilm activity of 3-(diphenylphosphino)propanoic acid coated gold nanomaterials against Gram-positive <i>Staphylococcus aureus</i> and <i>Streptococcus mutans</i> . <b>2017</b> , 7, 210		15
906	Clinical Developments in Antimicrobial Nanomedicine: Toward Novel Solutions. <b>2017</b> , 653-668		3
905	Mass Cytometry for Detection of Silver at the Bacterial Single Cell Level. <b>2017</b> , 8, 1326		18
904	Nanomaterials for alternative antibacterial therapy. <b>2017</b> , 12, 8211-8225		239
903	Negatively charged silver nanoparticles with potent antibacterial activity and reduced toxicity for pharmaceutical preparations. <b>2017</b> , 12, 2517-2530		70
902	New Trends for the Processing of Poly(Methyl Methacrylate) Biomaterial for Dental Prosthodontics. <b>2017</b> ,		2
901	Extracellular biosynthesis of silver nanoparticles using the cell-free filtrate of nematophagous fungus. <b>2017</b> , 12, 6373-6381		53
900	Antibacterial effect of silver nanoparticles in. <b>2017</b> , 10, 115-121		149
899	Magnetically Recoverable and Reusable Antimicrobial Nanocomposite Based on Activated Carbon, Magnetite Nanoparticles, and Silver Nanoparticles for Water Disinfection. <b>2017</b> , 2, 10		13
898	One-Step Synthesis of Silver Nanoparticles on Polydopamine-Coated Sericin/Polyvinyl Alcohol Composite Films for Potential Antimicrobial Applications. <i>Molecules</i> , <b>2017</b> , 22,	4.8	30
897	UV-Curable Aliphatic Silicone Acrylate Organic-Inorganic Hybrid Coatings with Antibacterial Activity. <i>Molecules</i> , <b>2017</b> , 22,	4.8	7
896	The Effect of Silver Nanoparticles Size, Produced Using Plant Extract from <i>Arbutus unedo</i> , on Their Antibacterial Efficacy. <b>2017</b> , 7,		41
895	Optimization of the Silver Nanoparticles PEALD Process on the Surface of 1-D Titania Coatings. <b>2017</b> , 7,		18
894	Poly-L-arginine Coated Silver Nanoprisms and Their Anti-Bacterial Properties. <b>2017</b> , 7,		19
893	Synthesis, Characterization, and Antibacterial Activities of High-Valence Silver Propamide Nanoparticles. <b>2017</b> , 7, 736		2
892	Synthesis, Characterization, and Evaluation of Antimicrobial Activities of Chitosan and Carboxymethyl Chitosan Schiff-Base/Silver Nanoparticles. <b>2017</b> , 2017, 1-11		32
891	Antibacterial Efficacy of Gold and Silver Nanoparticles Functionalized with the Ubiquitin (29A1) Antimicrobial Peptide. <b>2017</b> , 2017, 1-10		29

890	Synergistic bactericidal activity of chlorhexidine-loaded, silver-decorated mesoporous silica nanoparticles. <b>2017</b> , 12, 3577-3589	42
889	Early Stages of Antibacterial Damage of Metallic Nanoparticles by TEM and STEM-HAADF. <b>2017</b> , 14, 54-61	9
888	Optimization and integration of nanosilver on polycaprolactone nanofibrous mesh for bacterial inhibition and wound healing in vitro and in vivo. <b>2017</b> , 12, 6827-6840	15
887	Genome sequencing and analysis of the first spontaneous Nanosilver resistant bacterium strain SCDR1. <b>2017</b> , 6, 119	9
886	Synthesis of silver nanoparticles using wild Cucumis anguria: Characterization and antibacterial activity. <b>2017</b> , 16, 1911-1921	4
885	Porcine skin gelatin-silver nanocomposites: synthesis, characterisation, cell cytotoxicity, and antibacterial properties. <b>2017</b> , 11, 957-964	4
884	Combined efficacy of thymol and silver nanoparticles against Staphylococcus aureus. <b>2017</b> , 11, 450-457	5
883	Enhancement of antifouling and antibacterial properties of PVC hollow fiber ultrafiltration membranes using pristine and modified silver nanoparticles. <b>2018</b> , 6, 1764-1773	41
882	Nanoscience-Based Strategies to Engineer Antimicrobial Surfaces. <b>2018</b> , 5, 1700892	55
881	Noble metals-TiO <sub>2</sub> nanocomposites: From fundamental mechanisms to photocatalysis, surface enhanced Raman scattering and antibacterial applications. <b>2018</b> , 11, 82-135	148
880	Investigating the effect of biosynthesized silver nanoparticles as antibiofilm on bacterial clinical isolates. <b>2018</b> , 116, 200-208	12
879	Direct Monitoring of Molecular Events at the Surface: One-Step Access to Flexibly Stable Colloidal Ag Nanoparticles. <b>2018</b> , 34, 5495-5504	4
878	Tetrahedral () Closed-Shell Cluster of 29 Silver Atoms & 12 Lipoate Ligands, [Ag(R-LA)]: Antibacterial and Antifungal Activity. <b>2018</b> , 1, 1595-1602	22
877	Bioactive inorganic/organic nanocomposites for wound healing. <b>2018</b> , 11, 308-319	76
876	Facile, green and scalable method to produce carrageenan-based hydrogel containing in situ synthesized AgNPs for application as wound dressing. <b>2018</b> , 113, 51-58	31
875	Garcinia indica mediated biogenic synthesis of silver nanoparticles with antibacterial and antioxidant activities. <b>2018</b> , 164, 210-217	74
874	Staphylococcal Osteomyelitis: Disease Progression, Treatment Challenges, and Future Directions. <b>2018</b> , 31,	127
873	A nonspecific synergistic effect of biogenic silver nanoparticles and biosurfactant towards environmental bacteria and fungi. <b>2018</b> , 27, 352-359	24

872	Combined systems of different antibiotics with nano-CuO against Escherichia coli and the mechanisms involved. <b>2018</b> , 13, 339-351	12
871	Antimicrobial silver-loaded polypropylene sutures modified by radiation-grafting. <b>2018</b> , 100, 290-297	27
870	Antimicrobial and cytotoxic activity of silver nanoparticles synthesized from two haloalkaliphilic actinobacterial strains alone and in combination with antibiotics. <b>2018</b> , 124, 1411-1424	21
869	Diamond like carbon Ag nanocomposites as a control measure against Campylobacter jejuni and Listeria monocytogenes on food preparation surfaces. <b>2018</b> , 81, 118-126	7
868	Aspects of silver tolerance in bacteria: infrared spectral changes and epigenetic clues. <b>2018</b> , 11, e201700252	13
867	Liquid Chromatography Separation and Mass Spectrometry Detection of Silver-Lipoate Ag(LA) Nanoclusters: Evidence of Isomerism in the Solution Phase. <b>2018</b> , 90, 2010-2017	23
866	and sp. extracts as bio-mediator in silver nanoparticles formation: characterization, antioxidant and antibacterial capability. <b>2018</b> , 8, 72	14
865	Growth and characterization of spherical cinnamon nanoparticles: Evaluation of antibacterial efficacy. <b>2018</b> , 90, 346-353	17
864	An injectable supramolecular hydrogel hybridized with silver nanoparticles for antibacterial application. <b>2018</b> , 14, 1227-1234	31
863	Uptake and Intracellular Fate of Engineered Nanoparticles in Mammalian Cells: Capabilities and Limitations of Transmission Electron Microscopy-Polymer-Based Nanoparticles. <b>2018</b> , 30, 1703704	47
862	Pyrazole, pyrazolone and enamionitrile pyrazole derivatives: Synthesis, characterization and potential in corrosion inhibition and antimicrobial applications. <b>2018</b> , 252, 329-338	61
861	Synthesis, characterization and evaluation of antimicrobial and cytotoxic activities of biogenic silver nanoparticles synthesized from Streptomyces xinghaiensis OF1 strain. <b>2018</b> , 34, 23	109
860	Silver-pig skin nanocomposites and mesenchymal stem cells: suitable antibiofilm cellular dressings for wound healing. <b>2018</b> , 16, 2	14
859	Cure of tuberculosis using nanotechnology: An overview. <b>2018</b> , 56, 287-299	9
858	Antibacterial and bioactive properties of stabilized silver on titanium with a nanostructured surface for dental applications. <b>2018</b> , 451, 232-240	32
857	Does the size matter? Evaluation of effect of incorporation of silver nanoparticles of varying particle size on the antimicrobial activity and properties of irreversible hydrocolloid impression material. <b>2018</b> , 34, e158-e165	13
856	Do physico-chemical properties of silver nanoparticles decide their interaction with biological media and bactericidal action? A review. <b>2018</b> , 90, 739-749	93
855	Silver ions are responsible for memory impairment induced by oral administration of silver nanoparticles. <b>2018</b> , 290, 133-144	28

854	Comparative study of dissolved and nanoparticulate Ag effects on the life cycle of an estuarine meiobenthic copepod, <i>Amphiascus tenuiremis</i> . <b>2018</b> , 12, 375-389	5
853	Incorporation of silica grafted silver nanoparticles into polyvinyl chloride/polycarbonate hollow fiber membranes for pharmaceutical wastewater treatment. <b>2018</b> , 135, 153-165	32
852	Effect of kaolin silver complex on the control of populations of and acetic acid bacteria in wine. <b>2018</b> , 55, 1823-1831	7
851	Optimisation of micro-arc oxidation electrolyte for fabrication of antibacterial coating on titanium. <b>2018</b> , 33, 119-126	21
850	Biopolymer Composite Materials with Antimicrobial Effects Applied to the Food Industry. <b>2018</b> , 57-96	17
849	Polyvinyl alcohol/Sodium alginate integrated silver nanoparticles as probable solution for decontamination of microbes contaminated water. <b>2018</b> , 107, 1773-1781	19
848	Short communication: Unexpected findings on the physicochemical characterization of the silver nanoparticle surface. <b>2018</b> , 428, 1079-1081	5
847	Antimicrobial silver nanomaterials. <b>2018</b> , 357, 1-17	347
846	Antifouling, fouling release and antimicrobial materials for surface modification of reverse osmosis and nanofiltration membranes. <b>2018</b> , 6, 313-333	189
845	Conjugates and nano-delivery of antimicrobial peptides for enhancing therapeutic activity. <b>2018</b> , 44, 153-171	24
844	Antimicrobial photodynamic therapy: Single-walled carbon nanotube (SWCNT)-Porphyrin conjugate for visible light mediated inactivation of <i>Staphylococcus aureus</i> . <b>2018</b> , 162, 108-117	49
843	Silver Nanoparticles Complexed with Bovine Submaxillary Mucin Possess Strong Antibacterial Activity and Protect against Seedling Infection. <b>2018</b> , 84,	12
842	Green Synthesis of Silver Nanoparticles and their Antifungal Properties. <b>2018</b> , 8, 254-263	15
841	Near-Infrared Laser-Excited Nanoparticles To Eradicate Multidrug-Resistant Bacteria and Promote Wound Healing. <b>2018</b> , 10, 193-206	67
840	Studying the corrosion inhibition of some prepared nonionic surfactants based on 3-(4-hydroxyphenyl) propanoic acid and estimating the influence of silver nanoparticles on the surface parameters. <b>2018</b> , 249, 304-317	53
839	Ar/O <sub>2</sub> Atmospheric Pressure Plasma Jet Treatment of Pure Cotton Fabric for Antibacterial Application. <b>2018</b> , 13, 3406116-3406116	5
838	The preparation of Ag-TiO <sub>2</sub> and the study on its bacteriostatic properties. <b>2018</b> , 186, 012013	2
837	<i>Alpinia calcarata</i> : potential source for the fabrication of bioactive silver nanoparticles. <b>2018</b> , 5, 37	21

836	Nanosized food additives impact beneficial and pathogenic bacteria in the human gut: a simulated gastrointestinal study. <b>2018</b> , 2, 22	27
835	Green-Synthesized Silver Nanoparticles and Their Potential for Antibacterial Applications. <b>2018</b> ,	1
834	One-pot Synthesis of Silver Nanoparticles and Composite Materials for Drinking Water Disinfection. <b>2018</b> ,	
833	Exploiting Synergetic Effects of Graphene Oxide and a Silver-Based Metal-Organic Framework To Enhance Antifouling and Anti-Biofouling Properties of Thin-Film Nanocomposite Membranes. <b>2018</b> , 10, 42967-42978	101
832	Comparative biological effects of spherical noble metal nanoparticles (Rh, Pd, Ag, Pt, Au) with 4-8 nm diameter. <b>2018</b> , 9, 2763-2774	13
831	Nano-silver-incorporated biomimetic polydopamine coating on a thermoplastic polyurethane porous nanocomposite as an efficient antibacterial wound dressing. <b>2018</b> , 16, 89	35
830	Zinc and Silver Nanoparticles: Properties, Applications and Impact to the Aquatic Environment. <b>2018</b> , 167-190	1
829	Bioelectrocatalytic Assessment of the Activating Effect and Toxic Interaction Between Carbon Nanomaterials and Microbial Cells. <b>2018</b> , 119-132	
828	Studies on Silver Ions Releasing Processes and Mechanical Properties of Surface-Modified Titanium Alloy Implants. <b>2018</b> , 19,	8
827	Redox/pH dual-controlled release of chlorhexidine and silver ions from biodegradable mesoporous silica nanoparticles against oral biofilms. <b>2018</b> , 13, 7697-7709	40
826	Capsule-Integrated Polypeptide Multilayer Films for Effective pH-Responsive Multiple Drug Co-Delivery. <b>2018</b> , 10, 44267-44278	10
825	Biosynthesis, Characterization of Some Combined Nanoparticles, and Its Biocide Potency against a Broad Spectrum of Pathogens. <b>2018</b> , 2018, 1-16	12
824	Antibiotics, Resistome and Resistance Mechanisms: A Bacterial Perspective. <b>2018</b> , 9, 2066	108
823	Revisiting Current Photoactive Materials for Antimicrobial Photodynamic Therapy. <i>Molecules</i> , <b>2018</b> , 23,	4.8 99
822	Antibacterial Aspects of Nanomaterials in Textiles: From Origin to Release. <b>2018</b> , 87-123	0
821	Advanced Technologies for Coloration and Finishing Using Nanotechnology. <b>2018</b> , 473-500	
820	Anti-biofilm efficacy of root canal irrigants against in-situ <i>Enterococcus faecalis</i> biofilms in root canals, isthmuses and dentinal tubules. <b>2018</b> , 79, 68-76	21
819	Analyzing formation of silver nanoparticles from the filamentous fungus <i>Fusarium oxysporum</i> and their antimicrobial activity. <b>2018</b> , 42, 54-62	30

818	Myco-Nanoparticles: A Novel Approach for Inhibiting Amyloid-Fibrillation. <b>2018</b> , 51-62		
817	Biosynthesized Nanobullets for Microbes and Biofilms. <b>2018</b> , 43-87		
816	Highly Active, Superstable, and Biocompatible Ag/Polydopamine/g-C3N4 Bactericidal Photocatalyst: Synthesis, Characterization, and Mechanism. <b>2018</b> , 6, 14082-14094		53
815	Nano based drug delivery systems: recent developments and future prospects. <b>2018</b> , 16, 71		1937
814	Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview. <b>2018</b> , 8,		538
813	Biosynthesis of Ultrasonically Modified Ag-MgO Nanocomposite and Its Potential for Antimicrobial Activity. <b>2018</b> , 2018, 1-10		17
812	Antibacterial Activities of Azole Complexes Combined with Silver Nanoparticles. <i>Molecules</i> , <b>2018</b> , 23,	4.8	25
811	Two-stage DNA compaction induced by silver ions suggests a cooperative binding mechanism. <b>2018</b> , 148, 205102		11
810	Antibacterial Activity of Silver Nanoparticles: Structural Effects. <b>2018</b> , 7, e1701503		321
809	Silver bullets: A new lustre on an old antimicrobial agent. <b>2018</b> , 36, 1391-1411		76
808	Enhancing the antimicrobial and antibiofilm effectiveness of silver nanoparticles prepared by green synthesis. <b>2018</b> , 6, 4124-4138		49
807	Solid-state synthesis of silver nanowires using biopolymer thin films. <b>2018</b> , 1, 22-28		7
806	AQC functionalized CNCs/PVA-co-PE composite nanofibrous membrane with flower-like microstructures for photo-induced multi-functional protective clothing. <b>2018</b> , 25, 4819-4830		4
805	Preparation of high-valence bifunctional silver nanoparticles for wound-healing applications. <b>2018</b> , 451-486		
804	Phyto-mediated synthesis of silver nanoparticles using fucoidan isolated from <i>Spatoglossum asperum</i> and assessment of antibacterial activities. <b>2018</b> , 185, 117-125		51
803	Radiation Synthesis of Silver Nanoparticles/Chitosan for Controlling Leaf Fall Disease on Rubber Trees Causing by <i>Corynespora cassiicola</i> . <b>2018</b> , 2018, 1-9		11
802	Density-functional tight-binding approach for metal clusters, nanoparticles, surfaces and bulk: application to silver and gold. <b>2018</b> , 30, 303001		16
801	Influence of growth media components on the antibacterial effect of silver ions on <i>Bacillus subtilis</i> in a liquid growth medium. <b>2018</b> , 8, 9325		11



800	Antibacterial effect of silk treated with silver and copper nanoparticles synthesized by pulsed laser ablation in distilled water. <b>2018</b> ,	4
799	Silver-containing nanoparticles in the research of new antimicrobial agents against ESKAPE pathogens. <b>2018</b> , 317-386	3
798	Polymer-Based Antimicrobial Coatings as Potential Biomaterials. <b>2018</b> , 27-61	2
797	The Pros and Cons of the Use of Laser Ablation Synthesis for the Production of Silver Nano-Antimicrobials. <b>2018</b> , 7,	69
796	Trithiocarbonate-Functionalized PNiPAAm-Based Nanocomposites for Antimicrobial Properties. <b>2018</b> , 10,	2
795	Ecofriendly Synthesis of Silver-Carboxy Methyl Cellulose Nanocomposites and Their Antibacterial Activity. <b>2018</b> , 29, 1193-1199	15
794	Biosynthesised AgCl NPs using sp. 1/11 and evaluation of their cytotoxic activity and antibacterial and antibiofilm effects on multi-drug resistant bacteria. <b>2018</b> , 12, 764-772	6
793	Cyanobacteria as Nanogold Factories: Chemical and Anti-Myocardial Infarction Properties of Gold Nanoparticles Synthesized by. <b>2018</b> , 16,	57
792	Enhancement of as-sputtered silver-tantalum oxide thin film coating on biomaterial stainless steel by surface thermal treatment. <b>2018</b> ,	2
791	Potential antibacterial mechanism of silver nanoparticles and the optimization of orthopedic implants by advanced modification technologies. <b>2018</b> , 13, 3311-3327	404
790	Bio-sourced phosphoprotein-based synthesis of silver-doped macroporous zinc phosphates and their antibacterial properties.. <b>2018</b> , 8, 25112-25122	
789	Electrochemically Synthesized Silver Nanoparticles Are Active Against Planktonic and Biofilm Cells of and Other Cystic Fibrosis-Associated Bacterial Pathogens. <b>2018</b> , 9, 1349	28
788	Carbon Quantum Dot Surface-Chemistry-Dependent Ag Release Governs the High Antibacterial Activity of Ag-Metal-Organic Framework Composites.. <b>2018</b> , 1, 693-707	37
787	Oligodynamic Effect of Silver Nanoparticles: a Review. <b>2018</b> , 8, 951-962	19
786	Evaluation of E. coli inhibition by plain and polymer-coated silver nanoparticles. <b>2018</b> , 60, e18	21
785	Emerging investigator series: it's not all about the ion: support for particle-specific contributions to silver nanoparticle antimicrobial activity. <b>2018</b> , 5, 2047-2068	37
784	Pulse-Modulated Radio-Frequency Alternating-Current-Driven Atmospheric-Pressure Glow Discharge for Continuous-Flow Synthesis of Silver Nanoparticles and Evaluation of Their Cytotoxicity toward Human Melanoma Cells. <b>2018</b> , 8,	11
783	Antibacterial effects and cytotoxicity of an adhesive containing low concentration of silver nanoparticles. <b>2018</b> , 77, 66-71	37



782	How Microbial Aggregates Protect against Nanoparticle Toxicity. <b>2018</b> , 36, 1171-1182	81
781	Preparation, Antibacterial and Antistatic Properties of PP/Ag-Ms/CB Composites. <b>2018</b> , 33, 749-757	2
780	Review of potential health risks associated with nanoscopic calcium phosphate. <b>2018</b> , 77, 1-14	87
779	Nano-Strategies to Fight Multidrug Resistant Bacteria-"A Battle of the Titans". <b>2018</b> , 9, 1441	346
778	Proteomic analysis of antimicrobial effects of pegylated silver coated carbon nanotubes in Salmonella enterica serovar Typhimurium. <b>2018</b> , 16, 31	10
777	Synergistic mechanism of Ag-Zn in anti-bacterial activity against Enterococcus faecalis and its application against dentin infection. <b>2018</b> , 16, 10	30
776	Study on the interaction of graphene oxide-silver nanocomposites with bovine serum albumin and the formation of nanoparticle-protein corona. <b>2018</b> , 116, 492-501	25
775	Antimicrobial Activity of Green Synthesized Silver Nanoparticles Against Selected Gram-negative Foodborne Pathogens. <b>2018</b> , 9, 1555	159
774	Bioceramic Layers with Antifungal Properties. <b>2018</b> , 8, 276	21
773	Antimicrobial and toxicological behavior of montmorillonite immobilized metal nanoparticles. <b>2018</b> , 93, 704-715	19
772	Silver nanoparticles induced alterations in multiple cellular targets, which are critical for drug susceptibilities and pathogenicity in fungal pathogen (). <b>2018</b> , 13, 2647-2663	59
771	Comparison of the antibacterial effects of a short cationic peptide and 1% silver bioactive glass against extensively drug-resistant bacteria, Pseudomonas aeruginosa and Acinetobacter baumannii, isolated from burn patients. <b>2018</b> , 50, 1617-1628	12
770	From Complex Inorganic Oxides to Ag-Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <b>2018</b> , 3, 9880-9887	13
769	A 3D printed wound cooling system incorporated with injectable, adsorbable, swellable and broad spectrum antibacterial scaffolds for rapid hematischesis processing. <b>2018</b> , 6, 5940-5948	6
768	Antibacterial Photocurable Acrylic Resin Coating Using a Conjugate between Silver Nanoclusters and Alkyl Quaternary Ammonium. <b>2018</b> , 1, 4809-4818	9
767	Biopolymers and Their Composites for Drug Delivery: A Brief Review. <b>2018</b> , 380, 1800114	22
766	Plant extracts as green reductants for the synthesis of silver nanoparticles: lessons from chemical synthesis. <b>2018</b> , 47, 11988-12010	66
765	Green tea extract mediated biogenic synthesis of silver nanoparticles: Characterization, cytotoxicity evaluation and antibacterial activity. <b>2019</b> , 463, 66-74	244

764	Antibacterial effects and resistance induction of silver and gold nanoparticles against <i>Staphylococcus aureus</i> -induced mastitis and the potential toxicity in rats. <b>2019</b> , 8, e00698	27
763	Hybrid One-Dimensional Plasmonic-Photonic Crystals for Optical Detection of Bacterial Contaminants. <b>2019</b> , 10, 4980-4986	29
762	Antimicrobial Silver Nanoparticles for Wound Healing Application: Progress and Future Trends. <b>2019</b> , 12,	135
761	Influence of AgVO incorporation on antimicrobial properties, hardness, roughness and adhesion of a soft denture liner. <b>2019</b> , 9, 11889	12
760	Morin ameliorates the testicular apoptosis, oxidative stress, and impact on blood-testis barrier induced by photo-extracellularly synthesized silver nanoparticles. <b>2019</b> , 26, 28749-28762	31
759	Hydrophilic Silver Nanoparticles Loaded into Niosomes: Physical-Chemical Characterization in View of Biological Applications. <b>2019</b> , 9,	15
758	Incubation period induced biogenic synthesis of PEG enhanced <i>Moringa oleifera</i> silver nanocapsules and its antibacterial activity. <b>2019</b> , 26, 1	37
757	Antimicrobial and biofilm anti-adhesion activities of silver nanoparticles and farnesol against endodontic microorganisms for possible application in root canal treatment. <b>2019</b> , 107, 104481	19
756	Biogenic synthesis and antibacterial activity of controlled silver nanoparticles using an extract of <i>Gongronema Latifolium</i> . <b>2019</b> , 237, 121859	55
755	Preparation of silver nanoparticles as antibacterial agents through DNA damage. <b>2019</b> , 34, 867-879	11
754	Functional materials in desalination: A review. <b>2019</b> , 468, 114077	70
753	Synthesis of Silver Nanoparticles Using Aqueous Extract of Medicinal Plants' ( and ) Fresh Leaves and Analysis of Antimicrobial Activity. <b>2019</b> , 2019, 8642303	62
752	Effects of green synthesised silver nanoparticles (ST06-AgNPs) using curcumin derivative (ST06) on human cervical cancer cells (HeLa) in vitro and EAC tumor bearing mice models. <b>2019</b> , 14, 5257-5270	40
751	Simultaneous hydrogel crosslinking and silver nanoparticle formation by using ionizing radiation to obtain antimicrobial hydrogels. <b>2019</b> , 165, 108369	15
750	Disinfection of water and wastewater by biosynthesized magnetite and zerovalent iron nanoparticles via NAP-NAR enzymes of <i>Proteus mirabilis</i> 10B. <b>2019</b> , 26, 23661-23678	16
749	Evaluation of the antibacterial potential of silver nanoparticles synthesized through the interaction of antibiotic and aqueous callus extract of <i>Fagonia indica</i> . <b>2019</b> , 9, 75	16
748	Biofouling effects on the performance of microbial fuel cells and recent advances in biotechnological and chemical strategies for mitigation. <b>2019</b> , 37, 107420	46
747	Silver Nanoparticles Embedded Graphene Oxide Nanocomposite with Enhanced Antibacterial and Photocatalytic Degradation Activities. <b>2019</b> , 4, 8372-8377	7

746	Analysis of silver-associated proteins in pathogen via combination of native SDS-PAGE, fluorescent staining, and inductively coupled plasma mass spectrometry. <b>2019</b> , 1607, 460393	3
745	Study the evaluation of WilliamsonHall (W-H) strain distribution in silver nanoparticles prepared by sol-gel method. <b>2019</b> ,	4
744	Transition Metal Dichalcogenides for Biomedical Applications. <b>2019</b> , 241-292	1
743	Antibacterial activities of transient metals nanoparticles and membranous mechanisms of action. <b>2019</b> , 35, 162	12
742	Green synthesis of silver nanoparticle using sp. extract, its antibacterial, antibiofilm potential and cytotoxicity activity. <b>2019</b> , 5, e02502	41
741	Fused Deposition Modelling as a Potential Tool for Antimicrobial Dialysis Catheters Manufacturing: New Trends vs. Conventional Approaches. <b>2019</b> , 9, 515	22
740	Eco-friendly synthesis of silver nanoparticles using Senna alata bark extract and its antimicrobial mechanism through enhancement of bacterial membrane degradation. <b>2019</b> , 165, 105692	24
739	From Concentrated Dispersion to Solid Cyclodextrin Polymer-Capped Silver Nanoparticle Formulation: A Trojan Horse Against Escherichia coli. <b>2019</b> , 4, 10092-10096	3
738	The relation between positive screening results and MRSA infections in burn patients. <b>2019</b> , 45, 1585-1592	4
737	Metallic nanoparticles as a potential antimicrobial for catheters and prostheses. <b>2019</b> , 153-196	1
736	Metallic nanoparticles as a strategy for the treatment of infectious diseases. <b>2019</b> , 383-407	1
735	One-pot microwave-assisted synthesis of size-dependent l-glutathione-capped spherical silver nanoparticles suitable for materials with antibacterial properties. <b>2019</b> , 4, 86-94	3
734	Surface Modification of Polyester-Fabric with Hydrogels and Silver Nanoparticles: Photochemical Versus Gamma Irradiation Methods. <b>2019</b> , 12,	6
733	Biosynthesis of iron oxide nanoparticles via a composite of Psidium guavaja-Moringa oleifera and their antibacterial and photocatalytic study. <b>2019</b> , 199, 111601	60
732	Will the antimicrobial properties of ZnONPs turn it into a more suitable option than AgNPs for water filtration? Comparative study in the removal of fish pathogen, Aeromonas hydrophila from the culture of juvenile common carp (Cyprinus carpio). <b>2019</b> , 26, 30907-30920	3
731	Chemical characterisation, antibacterial activity, and (nano)silver transformation of commercial personal care products exposed to household greywater. <b>2019</b> , 6, 3027-3028	7
730	Antibacterial potential associated with drug-delivery built TiO nanotubes in biomedical implants. <b>2019</b> , 9, 51	26
729	Chronic exposure to complex metal oxide nanoparticles elicits rapid resistance in MR-1. <b>2019</b> , 10, 9768-9781	14

728	Elemental Silver Nanoparticles: Biosynthesis and Bio Applications. <b>2019</b> , 12,	17
727	Nanomaterials as Delivery Vehicles and Components of New Strategies to Combat Bacterial Infections: Advantages and Limitations. <b>2019</b> , 7,	34
726	Green synthesis of silver nanoparticles using the plant extract of <i>Salvia spinosa</i> grown in vitro and their antibacterial activity assessment. <b>2019</b> , 9, 1-9	200
725	A Precautionary Approach to Guide the Use of Transition Metal-Based Nanotechnology to Prevent Orthopedic Infections. <b>2019</b> , 12,	9
724	The oral administration of silver nanoparticles activates the kynurenine pathway in rat brain independently of oxidative stress. <b>2019</b> , 302, 22-27	8
723	pH- and thermosensitive copolymers of 4-acryloylmorpholine and 2-dialkylaminoethyl methacrylates and silver-containing nanocomposites based on these copolymers. <b>2019</b> , 19, 196-203	2
722	Laser ablation synthesis of Ag nanoparticles in graphene quantum dots aqueous solution and optical properties of nanocomposite. <b>2019</b> , 125, 1	10
721	Fabrication of polycaprolactone electrospun nanofibers doped with silver nanoparticles formed by air plasma treatment. <b>2019</b> , 30, 215101	8
720	Electrospun composite nanofibre fabrics containing green reduced Ag nanoparticles as an innovative type of antimicrobial insole.. <b>2019</b> , 9, 2244-2251	6
719	Long-lasting bactericidal activity through selective physical puncture and controlled ions release of polydopamine and silver nanoparticles-loaded TiO nanorods in vitro and in vivo. <b>2019</b> , 14, 2903-2914	30
718	AgNP combined with quorum sensing inhibitor increased the antibiofilm effect on <i>Pseudomonas aeruginosa</i> . <b>2019</b> , 103, 6195-6204	3
717	Antimicrobial photodynamic activity of toluidine blue-carbon nanotube conjugate against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> - Understanding the mechanism of action. <b>2019</b> , 27, 305-316	41
716	Single-Cell Analysis Reveals that Chronic Silver Nanoparticle Exposure Induces Cell Division Defects in Human Epithelial Cells. <b>2019</b> , 16,	2
715	Fabrication and characterization of microwave assisted carboxymethyl cellulose-gelatin silver nanoparticles imbibed hydrogel: Its evaluation as dye degradation. <b>2019</b> , 142, 134-146	31
714	Synthesis, Characterization, and Applications of Metal Nanoparticles. <b>2019</b> , 527-612	49
713	Synthesis and attachment of silver and copper nanoparticles on cellulose nanofibers and comparative antibacterial study. <b>2019</b> , 26, 6629-6640	36
712	Synthesis and production of engineered nanomaterials for laboratory and industrial use. <b>2019</b> , 3-30	2
711	Antimicrobial activity of silver salt and silver nanoparticles in different forms against microorganisms of different taxonomic groups. <b>2019</b> , 378, 120754	17

710	Sesquiterpenoids from Flower Bud Extract for the Eco-Friendly Synthesis of Silver and Gold Nanoparticles Possessing Antibacterial and Anticancer Activities. <b>2019</b> , 9,	21
709	Riboflavin-protected ultrasmall silver nanoclusters with enhanced antibacterial activity and the mechanisms.. <b>2019</b> , 9, 13275-13282	7
708	Comparative study on the toxic mechanisms of medical nanosilver and silver ions on the antioxidant system of erythrocytes: from the aspects of antioxidant enzyme activities and molecular interaction mechanisms. <b>2019</b> , 17, 66	19
707	Green sonochemical synthesis of silver nanoparticles using <i>Bridelia micrantha</i> extract and evaluation of their antibacterial activity. <b>2019</b> , 13, 34-42	2
706	Colored, photocatalytic, antimicrobial and UV-protected viscose fibers decorated with Ag/Ag <sub>2</sub> CO <sub>3</sub> and Ag/Ag <sub>3</sub> PO <sub>4</sub> nanoparticles. <b>2019</b> , 26, 5437-5453	41
705	Study on the Antagonistic Potential of Biosynthesized Hematite Nanoparticles During Water and Wastewater Treatment. <b>2019</b> , 47, 1800418	2
704	Recent advances in antibacterial applications of metal nanoparticles (MNPs) and metal nanocomposites (MNCs) against multidrug-resistant (MDR) bacteria. <b>2019</b> , 17, 419-428	75
703	Efficacy of silver nanoparticles against the adults and eggs of monogenean parasites of fish. <b>2019</b> , 118, 1741-1749	9
702	Silver Nanoparticles Induced Cell Apoptosis, Membrane Damage of <i>Azotobacter vinelandii</i> and <i>Nitrosomonas europaea</i> via Generation of Reactive Oxygen Species. <b>2019</b> , 103, 181-186	9
701	Bioactive inorganic-ion-doped titania nanotube coatings on bone implants with enhanced osteogenic activity and antibacterial properties. <b>2019</b> , 401-427	
700	Multi-layer bactericidal silver - calcium phosphate coatings obtained by RF magnetron sputtering. <b>2019</b> , 367, 203-211	7
699	Nanocomposites based on low density polyethylene filled with carbon nanotubes prepared by high energy ball milling and their potential antibacterial activity. <b>2019</b> , 68, 1155-1163	8
698	Enhanced of antibacterial activity of antibiotic-functionalized silver nanocomposites with good biocompatibility. <b>2019</b> , 30, 34	6
697	Role of Oxides (Fe <sub>3</sub> O <sub>4</sub> , MnO <sub>2</sub> ) in the Antibacterial Action of Ag/Metal Oxide Hybrid Nanoparticles. <b>2019</b> , 303-312	0
696	Studies on interaction of green silver nanoparticles with whole bacteria by surface characterization techniques. <b>2019</b> , 1861, 1086-1092	19
695	Nanotherapeutics as promising approaches to combat fungal infections. <b>2019</b> , 80, 535	1
694	Electrochemical synthesis of silver nanoparticles by reversible current in solutions of sodium polyacrylate. <b>2019</b> , 297, 689-695	28
693	Effect of concentrated solar radiation on the morphology of the silver nanoparticles and its antibacterial activity. <b>2019</b> , 61, 374-386	

692	Synthesis of Hydroxyapatite with Antibacterial Properties Using a Microwave-Assisted Combustion Method. <b>2019</b> , 9, 4015	48
691	A Peptide-Nanoparticle System with Improved Efficacy against Multidrug Resistant Bacteria. <b>2019</b> , 9, 4485	57
690	Current Role of Nanomaterials in Environmental Remediation. <b>2019</b> , 1-20	7
689	Biogenic Nanoparticles as Theranostic Agents: Prospects and Challenges. <b>2019</b> , 647-684	2
688	Antibacterial activity of a novel Forsythia suspensa fruit mediated green silver nanoparticles against food-borne pathogens and mechanisms investigation. <b>2019</b> , 102, 247-253	27
687	Silver-Based Polymeric Nanocomposites as Antimicrobial Coatings for Biomedical Applications. <b>2019</b> , 115-171	4
686	Matrix assisted antibacterial activity of polymer conjugates with pendant antibiotics, and bioactive and biopassive moieties. <b>2019</b> , 7, 3007-3018	8
685	Functional Nanomaterials and Their Potential Applications in Antibacterial Therapy. <b>2019</b> , 7, 129-146	9
684	Biogenic Silver Nanoparticles as a Post-surgical Treatment for Infection in Small Ruminants. <b>2019</b> , 10, 824	10
683	Silver and Histone Modifications. <b>2019</b> , 2145-2160	
682	Physical properties and cytotoxicity of silver nanoparticles under different polymeric stabilizers. <b>2019</b> , 5, e01305	16
681	Antimicrobial wound dressings with high mechanical conformability prepared through thiol-yne click photopolymerization reaction. <b>2019</b> , 14, 045007	8
680	Novel Therapeutics and Diagnostics Strategies Based on Engineered Nanobiomaterials. <b>2019</b> , 1-27	
679	Molecular characterization of silver resistant E. coli strains isolated from patients suffering from diarrhea. <b>2019</b> , 13, 91-98	
678	Bio-Organometallic Derivatives of Antibacterial Drugs. <b>2019</b> , 25, 7232-7242	33
677	Antibacterial and cytocompatibility study of modified Ti6Al4V surfaces through thermal annealing. <b>2019</b> , 99, 1007-1020	16
676	Impact of Nanoparticle Shape, Size, and Properties of Silver Nanocomposites and Their Applications. <b>2019</b> , 1067-1091	5
675	Effective disinfection of airborne microbial contamination in hospital wards using a zero-valent nano-silver/TiO <sub>2</sub> -chitosan composite. <b>2019</b> , 29, 439-449	10

674	Photo-reduction of Ag nanoparticles by using cellulose-based micelles as soft templates: Catalytic and antimicrobial activities. <b>2019</b> , 213, 419-427	25
673	Silver nanoparticles present high intracellular and extracellular killing against <i>Staphylococcus aureus</i> . <b>2019</b> , 74, 1578-1585	24
672	The plasma-chemical formation of polysorbate 80-coated silver nanoparticles and composite materials for water treatment. <b>2019</b> , 48, 431-438	3
671	Nanoparticles from Actinobacteria: A Potential Target to Antimicrobial Therapy. <b>2019</b> , 25, 2626-2636	1
670	Silver nanoparticles as potential antiviral agents against African swine fever virus. <b>2019</b> , 6, 1250g9	43
669	Antibacterial magnetic nanoparticles for therapeutics: a review. <b>2019</b> , 13, 786-799	16
668	Biodegradable Polylactide/TiO Composite Fiber Scaffolds with Superhydrophobic and Superadhesive Porous Surfaces for Water Immobilization, Antibacterial Performance, and Deodorization. <b>2019</b> , 11,	5
667	Synthesis of silver nanoparticles using extract of <i>Ocimum kilimandscharicum</i> and its antimicrobial activity against plant pathogens. <b>2019</b> , 1, 1	5
666	Sunlight-driven phytochemical synthesis of silver nanoparticles using aqueous extract of <i>Albizia lebbek</i> (L) Benth. <b>2019</b> , 6, 125060	1
665	Ag(I)-benzisothiazolinone complex: synthesis, characterization, H <sub>2</sub> storage ability, nano transformation to different Ag nanostructures and Ag nanoflakes antimicrobial activity. <b>2019</b> , 6, 125071	38
664	Limitations of Recent Studies Dealing with the Antibacterial Properties of Silver Nanoparticles: Fact and Opinion. <b>2019</b> , 9,	20
663	Preparation of a novel antibacterial coating precursor and its antibacterial mechanism. <b>2019</b> , 465, 478-485	11
662	Synergistic Antibacterial Efficiency of Bacteriocin and Silver Nanoparticles Produced by Probiotic <i>Lactobacillus paracasei</i> Against Multidrug Resistant Bacteria. <b>2019</b> , 25, 1113-1125	15
661	Bactericidal potential of silver-tolerant bacteria derived silver nanoparticles against multi drug resistant ESKAPE pathogens. <b>2019</b> , 18, 100939	13
660	Transcriptome analysis of silver nanoparticles treated <i>Staphylococcus aureus</i> reveals potential targets for biofilm inhibition. <b>2019</b> , 175, 487-497	17
659	Synthesis and characterization of new silver(I) naphthalenedisulfonate complexes with heterocyclic N-donor ligands: Packing analyses and antibacterial studies. <b>2019</b> , 159, 275-283	1
658	Selective Labeling and Growth Inhibition of <i>Pseudomonas aeruginosa</i> by Aminoguanidine Carbon Dots. <b>2019</b> , 5, 292-302	31
657	Biosynthesis of silver nanoparticles using <i>Ocimum basilicum</i> cultured under controlled conditions for bactericidal application. <b>2019</b> , 98, 250-255	38



656	N-Acetylcysteine reverses silver nanoparticle intoxication in rats. <b>2019</b> , 13, 326-338	8
655	Impact of nanoparticles on transcriptional regulation of catabolic genes of petroleum hydrocarbon-degrading bacteria in contaminated soil microcosms. <b>2019</b> , 59, 166-180	2
654	Novel approach for controlling resistant <i>Listeria monocytogenes</i> to antimicrobials using different disinfectants types loaded on silver nanoparticles (AgNPs). <b>2019</b> , 26, 1954-1961	8
653	Radiation grafting of poly(methyl methacrylate) and poly(vinylimidazole) onto polytetrafluoroethylene films and silver immobilization for antimicrobial performance. <b>2019</b> , 473, 951-959	19
652	Poly(dopamine) and Ag nanoparticle-loaded TiO nanotubes with optimized antibacterial and ROS-scavenging bioactivities. <b>2019</b> , 14, 803-818	20
651	Antimicrobial properties of MFeO (M = Mn, Mg)/reduced graphene oxide composites synthesized via solvothermal method. <b>2019</b> , 95, 43-48	12
650	Preparation, characterization and evaluation of the zinc titanate and silver nitrate incorporated wipes for topical chemical and biological decontamination. <b>2019</b> , 96, 183-196	7
649	Antibacterial Carbon-Based Nanomaterials. <b>2019</b> , 31, e1804838	219
648	Self-sterilizing antibacterial silver-loaded microneedles. <b>2018</b> , 55, 171-174	40
647	Matrix-Assisted Regulation of Antimicrobial Properties: Mechanistic Elucidation with Ciprofloxacin-Based Polymeric Hydrogel Against <i>Vibrio</i> Species. <b>2019</b> , 30, 218-230	10
646	Preparation of carboxy-methyl cellulose-capped nanosilver particles and their antimicrobial evaluation by an automated device. <b>2019</b> , 9, 105-111	3
645	Mussel-inspired superhydrophilic surface with enhanced antimicrobial properties under immersed and atmospheric conditions. <b>2019</b> , 465, 267-278	29
644	Fabrication and in vitro behavior of dual-function chitosan/silver nanocomposites for potential wound dressing applications. <b>2019</b> , 94, 750-765	29
643	Preparation of antimicrobial gold and silver nanoparticles from tea leaf extracts. <b>2019</b> , 173, 242-248	59
642	Ulvan as novel reducing and stabilizing agent from renewable algal biomass: Application to green synthesis of silver nanoparticles. <b>2019</b> , 203, 310-321	72
641	Near-infrared light-controllable on-demand antibiotics release using thermo-sensitive hydrogel-based drug reservoir for combating bacterial infection. <b>2019</b> , 188, 83-95	191
640	Engineered nanomaterials for water decontamination and purification: From lab to products. <b>2019</b> , 363, 295-308	104
639	<i>Ganoderma applanatum</i> -mediated green synthesis of silver nanoparticles: Structural characterization, and in vitro and in vivo biomedical and agrochemical properties. <b>2019</b> , 12, 1108-1120	65



638	Current Strategies in Prevention of Postoperative Infections in Spine Surgery. <b>2020</b> , 10, 183-194	14
637	References. <b>2020</b> , 157-160	
636	Chitosan/Ag-Bentonite Nanocomposites: Preparation, Characterization, Swelling and Biological Properties. <b>2020</b> , 30, 831-840	23
635	Biogenic synthesis and characterization of silver nanoparticles using aqueous leaf extract of <i>L.</i> and assessment of their antimicrobial property. <b>2020</b> , 43, 307-321	9
634	Substituted hydroxyapatite: a recent development. <b>2020</b> , 35, 785-796	14
633	Soil bacteria <i>Cupriavidus</i> sp. mediates the extracellular synthesis of antibacterial silver nanoparticles. <b>2020</b> , 1202, 127233	63
632	New insights of the bacterial response to exposure of differently sized silver nanomaterials. <b>2020</b> , 169, 115205	15
631	Inhalable nanotherapeutics to improve treatment efficacy for common lung diseases. <b>2020</b> , 12, e1586	28
630	Biogenic synthesis of iron oxide nanorods using <i>Moringa oleifera</i> leaf extract for antibacterial applications. <b>2020</b> , 10, 305-315	92
629	Chitosan cryogel microspheres decorated with silver nanoparticles as injectable and antimicrobial scaffolds. <b>2020</b> , 69, 919-927	5
628	Comparison of the In Vitro Antifungal and Anti-fumonigenic Activities of Copper and Silver Nanoparticles Against <i>Fusarium verticillioides</i> . <b>2020</b> , 31, 213-220	4
627	Biological and Environmental Applications of Silver Nanoparticles Synthesized Using the Aqueous Extract of <i>Ginkgo biloba</i> Leaf. <b>2020</b> , 30, 1653-1668	28
626	Pyrazolone structural motif in medicinal chemistry: Retrospect and prospect. <b>2020</b> , 186, 111893	49
625	Cytotoxic effect of green synthesized silver nanoparticles in MCF7 and MDA-MB-231 human breast cancer cells in vitro. <b>2020</b> , 63, 191-202	8
624	The Efficacy of Imipenem Conjugated with Synthesized Silver Nanoparticles Against <i>Acinetobacter baumannii</i> Clinical Isolates, Iran. <b>2020</b> , 197, 330-340	7
623	Antibiofilm and antimicrobial activities of green synthesized silver nanoparticles using marine red algae <i>Gelidium corneum</i> . <b>2020</b> , 89, 208-219	69
622	Engineering Antifouling and Antibacterial Stainless Steel for Orthodontic Appliances through Layer-by-Layer Deposition of Nanocomposite Coatings.. <b>2020</b> , 3, 486-494	7
621	Antibacterial applications of metal-organic frameworks and their composites. <b>2020</b> , 19, 1397-1419	95

620	Vapor-Deposited Biointerfaces and Bacteria: An Evolving Conversation. <b>2020</b> , 6, 182-197	14
619	Plasmonic Ag decorated graphitic carbon nitride sheets with enhanced visible-light response for photocatalytic water disinfection and organic pollutant removal. <b>2020</b> , 242, 125201	43
618	Fortified hyperbranched PEGylated chitosan-based nano-in-micro composites for treatment of multiple bacterial infections. <b>2020</b> , 148, 1201-1210	3
617	Photochemically-Generated Silver Chloride Nanoparticles Stabilized by a Peptide Inhibitor of Cell Division and Its Antimicrobial Properties. <b>2020</b> , 30, 2464-2474	2
616	A BiS@mSiO@Ag nanocomposite for enhanced CT visualization and antibacterial response in the gastrointestinal tract. <b>2020</b> , 8, 666-676	3
615	Multi-stage pore development in Ag foams by the reduction of Ag <sub>2</sub> O and CuO mixtures. <b>2020</b> , 186, 108273	1
614	Antibacterial and antioxidant properties of phyto-synthesized silver nanoparticles using Lavandula stoechas extract. <b>2020</b> , 34, e5394	16
613	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. <b>2020</b> , 24, 102143	28
612	Concentration induced properties of silver nanoparticles and their antibacterial study. <b>2020</b> , 18, 100419	13
611	Atmospheric pressure microplasma for antibacterial silver nanoparticle/chitosan nanocomposites with tailored properties. <b>2020</b> , 186, 107911	23
610	Antimicrobial Activity of Biosynthesized Metal Nanoparticles. <b>2020</b> , 10, 20-35	
609	Antioxidant, cytotoxic and antibacterial potential of biosynthesized nanoparticles using bee honey from two different floral sources in Saudi Arabia. <b>2020</b> , 27, 363-373	20
608	Low-density polyethylene films incorporated with silver nanoparticles to promote antimicrobial efficiency in food packaging. <b>2020</b> , 26, 353-366	15
607	Embedding ultrasmall Ag nanoclusters in Luria-Bertani extract via light irradiation for enhanced antibacterial activity. <b>2020</b> , 13, 203-208	28
606	Low-frequency ultrasound increase effectiveness of silver nanoparticles in a purulent wound model. <b>2020</b> , 10, 621-631	1
605	Gold/Silver Hybrid Nanoparticles with Enduring Inhibition of Coronavirus Multiplication through Multisite Mechanisms. <b>2020</b> , 31, 2553-2563	15
604	Microwave assisted urethane grafted nano-apatites for dental adhesives. <b>2020</b> , 35, 479-490	2
603	Porphyrin structure carbon dots under red light irradiation for bacterial inactivation. <b>2020</b> , 44, 18225-18232	4

602	Silver nanoparticles coated by green graphene quantum dots for accelerating the healing of MRSA-infected wounds. <b>2020</b> , 8, 6670-6682	17
601	scolicidal activity of synthesised silver nanoparticles from aqueous plant extract against. <b>2020</b> , 28, e00545	8
600	Improved antimicrobial properties of methylene blue attached to silver nanoparticles. <b>2020</b> , 32, 102012	3
599	Zeolite-based catalytic micromotors for enhanced biological and chemical water remediation. <b>2020</b> , 44, 19212-19219	1
598	Aesthetic Silver-Doped Octacalcium Phosphate Powders Exhibiting Both Contact Antibacterial Ability and Low Cytotoxicity. <b>2020</b> , 5, 24434-24444	10
597	Dual antibacterial drug-loaded nanoparticles synergistically improve treatment of Streptococcus mutans biofilms. <b>2020</b> , 115, 418-431	14
596	Nanoparticles as Novel Emerging Therapeutic Antibacterial Agents in the Antibiotics Resistant Era. <b>2021</b> , 199, 2552-2564	17
595	Metal Oxide Nanoparticles Against Bacterial Biofilms: Perspectives and Limitations. <b>2020</b> , 8,	60
594	Inorganic nanoparticles in clinical trials and translations. <b>2020</b> , 35, 100972	51
593	Effect of the Organic Functionality on the Synthesis and Antimicrobial Activity of Silver Nanoparticles. <b>2020</b> , 10, 2050002	3
592	Evaluation of the Effects of Particle Sizes of Silver Nanoparticles on Various Biological Systems. <b>2020</b> , 21,	6
591	Oligomer-stabilized silver nanoparticles for antimicrobial coatings for plastics. <b>2020</b> , 24, 100610	4
590	Creating Structured Hydrogel Microenvironments for Regulating Stem Cell Differentiation. <b>2020</b> , 6,	5
589	Antimicrobial activity of biosynthesised silver nanoparticles against multidrug-resistant microbes isolated from cancer patients with bacteraemia and candidaemia. <b>2020</b> , 38, 371-378	4
588	Silver, Gold, and Silver-Gold Bimetallic Nanoparticle-Decorated Dextran: Facile Synthesis and Versatile Tunability on the Antimicrobial Activity. <b>2020</b> , 2020, 1-11	7
587	Inorganic nanoparticles for natural product delivery: a review. <b>2020</b> , 18, 2107-2118	11
586	Polyvinyl Alcohol/Sodium Alginate Hydrogels Incorporated with Silver Nanoclusters via Green Tea Extract for Antibacterial Applications. <b>2020</b> , 23, 118-133	22
585	Two-Dimensional Nanostructures for Advanced Applications. <b>2020</b> , 1-31	1

584	Molecular weight of polyethylenimine-dependent transfection and selective antimicrobial activity of functional silver nanoparticles. <b>2020</b> , 35, 2405-2415	4
583	Cerium and Its Oxidant-Based Nanomaterials for Antibacterial Applications: A State-of-the-Art Review. <b>2020</b> , 7,	26
582	Use of silver nanoparticles to counter fungicide-resistance in <i>Monilinia fructicola</i> . <b>2020</b> , 747, 141287	14
581	Comparable antibacterial effects and action mechanisms of silver and iron oxide nanoparticles on <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> . <b>2020</b> , 10, 13145	18
580	Destruction of pre-formed biofilms by cationic polymer micelles bearing silver nanoparticles. <b>2020</b> , 36, 679-695	3
579	Surface Modified Techniques and Emerging Functional Coating of Dental Implants. <b>2020</b> , 10, 1012	16
578	Sunlight-Induced Synthesis of Non-Target Biosafety Silver Nanoparticles for the Control of Rice Bacterial Diseases. <b>2020</b> , 10,	2
577	Antibacterial efficiency of silver nanoparticles-loaded locust bean gum/polyvinyl alcohol hydrogels. <b>2020</b> , 78, 6095	4
576	Synthesis of Functional Silver Nanoparticles and Microparticles with Modifiers and Evaluation of Their Antimicrobial, Anticancer, and Antioxidant Activity. <b>2020</b> , 11,	6
575	Ångstrom-scale silver particle-embedded carbomer gel promotes wound healing by inhibiting bacterial colonization and inflammation. <b>2020</b> , 6,	50
574	Activity of Silver Nanoparticles Against Infection in. <b>2020</b> , 11, 582107	6
573	Biofunctional Elements Incorporated Nano/Microstructured Coatings on Titanium Implants with Enhanced Osteogenic and Antibacterial Performance. <b>2020</b> , 9, e2000681	17
572	Therapies and Vaccines Based on Nanoparticles for the Treatment of Systemic Fungal Infections. <b>2020</b> , 10, 463	19
571	Amphiphilic silver nanoclusters show active nanoBio interaction with compelling antibacterial activity against multidrug-resistant bacteria. <b>2020</b> , 12,	5
570	Cubic nano-silver-decorated manganese dioxide micromotors: enhanced propulsion and antibacterial performance. <b>2020</b> , 12, 19655-19664	13
569	Preface. <b>2020</b> , ix-ix	
568	Biosynthesis of Silver Nanoparticles by <i>Methylophilus quaylei</i> , Characterization and Its Impact on Established Biofilms. <b>2020</b> , 10, 885-898	1
567	Green Synthesis of Gold and Silver Nanoparticles from Plant Extracts and Their Possible Applications as Antimicrobial Agents in the Agricultural Area. <b>2020</b> , 10,	104

566	Molecular Effects of Silver Nanoparticles on Monogenean Parasites: Lessons from. <b>2020</b> , 21,	2
565	Metal and Metal Oxide Nanoparticles for Water Decontamination and Purification. <b>2020</b> , 151-186	2
564	2D Nanomaterials with Hierarchical Architecture for Flexible Sensor Application. <b>2020</b> , 93-116	2
563	The Applications of 2D Nanomaterials in Energy-Related Process. <b>2020</b> , 219-251	0
562	Nanocomposites Based on Biopolymer for Biomedical and Antibacterial Applications. <b>2020</b> , 375-391	1
561	2D Materials for Supercapacitor and Supercapattery Applications. <b>2020</b> , 33-47	1
560	Recent Advancements and Key Challenges of Graphene for Flexible Supercapacitors. <b>2020</b> , 49-77	4
559	2D Nanostructured Materials for High Performance Electrochemical Supercapacitors. <b>2020</b> , 79-92	2
558	Application of 2D Nanomaterials as Fluorescent Biosensors. <b>2020</b> , 117-141	4
557	Functionalized Two-Dimensional Nanomaterials for Biosensing and Bioimaging. <b>2020</b> , 143-165	0
556	Electrocatalysts Derived from 2D Mxenes for Oxygen Reduction and Hydrogen Evolution Reactions. <b>2020</b> , 167-189	
555	Application of 2D Graphene-Based Nanomaterials for Pollutant Removal from Advanced Water and Wastewater Treatment Processes. <b>2020</b> , 191-217	2
554	State-of-the-Art Applications of 2D Nanomaterials in Energy Storage. <b>2020</b> , 253-293	3
553	2D Layered Structure of Bismuth Oxyhalides for Advanced Applications. <b>2020</b> , 295-315	1
552	Cutting Edge Materials of Two-Dimensional Platinum Diselenide. <b>2020</b> , 317-345	
551	Metal and Metal Matrix 2D Nanomaterial Composites: Attractive Alternatives for EMI Shielding Applications. <b>2020</b> , 347-373	1
550	Synthesis of Sustainable Carbon Nanospheres from Natural Bioresources and Their Diverse Applications. <b>2020</b> , 393-420	2
549	Antimicrobial Blue Light versus Pathogenic Bacteria: Mechanism, Application in the Food Industry, Hurdle Technologies and Potential Resistance. <b>2020</b> , 9,	6

548	Amending the Efficiency of Antimicrobials against Multidrug-Resistant <i>Pseudomonas aeruginosa</i> by Low-Frequency Magnetic Fields. <b>2020</b> , 170, 35-39	1
547	Silver and Cadmium Mattel segment Doping by DC Sputtering. <b>2020</b> , 928, 072075	
546	Ultrasonication for Environmentally Friendly Preparation of Antimicrobial and Catalytically Active Nanocomposites of Cellulosic Textiles. <b>2020</b> , 8, 18879-18888	10
545	Catalytic Degradability of p-Nitrophenol Using Ecofriendly Silver Nanoparticles. <b>2020</b> , 10, 1661	10
544	Iodogen Method on Iodine-131 (131I) Radiolabelling of Silver Nanoparticle (AgNPs) as a New Agent of Molecular Imaging. <b>2020</b> , 924, 012026	1
543	Enhanced antibacterial activity and photo-remediation of toxic dyes using Ag/SWCNT/PPy based nanocomposite with core-shell structure. <b>2020</b> , 10, 2255-2268	8
542	Recent Advances in Metal Decorated Nanomaterials and Their Various Biological Applications: A Review. <b>2020</b> , 8, 341	166
541	Application of poly(vinyl alcohol)-assisted silver nanoparticles immobilized keratinase composite as topical antibacterial and dehairing agent. <b>2020</b> , 11, 119-134	5
540	Synthesis and characterization of zinc and copper oxide nanoparticles and their antibacterial activity. <b>2020</b> , 7, 100099	8
539	Photosensitized reactive chlorine species-mediated therapeutic destruction of drug-resistant bacteria using plasmonic core-shell Ag@AgCl nanocubes as an external nanomedicine. <b>2020</b> , 12, 12970-12984	21
538	Antibacterial and antifungal impacts of combined silver, zinc oxide, and chitosan nanoparticles within tissue conditioners of complete dentures in vitro. <b>2020</b> , 189, 1343-1350	3
537	Pinecone-Inspired Nanoarchitected Smart Microcages Enable Nano/Microparticle Drug Delivery. <b>2020</b> , 30, 2002434	11
536	Antimicrobial Electrospun Materials. <b>2020</b> , 243-263	
535	An evaluation of the activity of biologically synthesized silver nanoparticles against bacteria, fungi and mammalian cell lines. <b>2020</b> , 194, 111156	19
534	Nanotechnology for angiogenesis: opportunities and challenges. <b>2020</b> , 49, 5008-5057	61
533	Quantitative Proteomics Reveals the Mechanism of Silver Nanoparticles against Multidrug-Resistant Biofilms. <b>2020</b> , 19, 3109-3122	22
532	Nanocomposite of Ag nanoparticles and catalytic fluorescent carbon dots for synergistic bactericidal activity through enhanced reactive oxygen species generation. <b>2020</b> , 31, 405704	14
531	The Antibacterial Effect of Silver Nanoparticles on <i>Staphylococcus epidermidis</i> Strains with Different Biofilm-Forming Ability. <b>2020</b> , 10,	6

530	Functionalized electrospun nanofiber membranes for water treatment: A review. <b>2020</b> , 739, 139944		75
529	Circumventing antimicrobial-resistance and preventing its development in novel, bacterial infection-control strategies. <b>2020</b> , 17, 1151-1164		15
528	The Influence of Different Forms of Silver on Selected Pathogenic Bacteria. <b>2020</b> , 13,		2
527	Nano-bioink solutions for cardiac tissue bioprinting. <b>2020</b> , 171-185		2
526	Nano-enabled, antimicrobial toothbrushes - How physical and chemical properties relate to antibacterial capabilities. <b>2020</b> , 396, 122445		6
525	Detection, treatment and prevention of endodontic biofilm infections: what's new in 2020?. <b>2020</b> , 46, 194-212		18
524	Integration of bio-responsive silver in 1D photonic crystals: towards the colorimetric detection of bacteria. <b>2020</b> , 223, 125-135		11
523	Metal-Based Nanomaterials in Biomedical Applications: Antimicrobial Activity and Cytotoxicity Aspects. <b>2020</b> , 30, 1910021		210
522	Study of Antibacterial Properties of Ziziphus mauritiana based Green Synthesized Silver Nanoparticles against Various Bacterial Strains. <b>2020</b> , 12, 1484		11
521	Biofunctionalization of selective laser melted porous titanium using silver and zinc nanoparticles to prevent infections by antibiotic-resistant bacteria. <b>2020</b> , 107, 325-337		50
520	Targeting Tunable Physical Properties of Materials for Chronic Wound Care. <b>2020</b> , 8, 584		10
519	Size and Shape-Dependent Antimicrobial Activities of Silver and Gold Nanoparticles: A Model Study as Potential Fungicides. <i>Molecules</i> , <b>2020</b> , 25,	4.8	32
518	A natural polymer based bioadhesive with self-healing behavior and improved antibacterial properties. <b>2020</b> , 8, 4346-4357		19
517	Visible light plasmon excitation of silver nanoparticles against antibiotic-resistant <i>Pseudomonas aeruginosa</i> . <b>2020</b> , 31, 101908		11
516	Bacterial Cellulose Nanocomposites: Morphology and Mechanical Properties. <b>2020</b> , 13,		14
515	Nanotoxicology and Nanosafety: Safety-By-Design and Testing at a Glance. <b>2020</b> , 17,		53
514	Silver nanocomposites based on the bacterial fucose-rich polysaccharide secreted by <i>Enterobacter A47</i> for wound dressing applications: Synthesis, characterization and in vitro bioactivity. <b>2020</b> , 163, 959-969		13
513	Antibacterial effect of silver nanorings. <b>2020</b> , 20, 172		4

512	Oxidative stress induced antimicrobial efficacy of chitosan and silver nanoparticles coated Gutta-percha for endodontic applications. <b>2020</b> , 17, 100299	11
511	Enhanced Antibacterial Activity of Se Nanoparticles Upon Coating with Recombinant Spider Silk Protein eADF4(16). <b>2020</b> , 15, 4275-4288	13
510	Bacteria Exposed to Silver Nanoparticles Synthesized by Laser Ablation in Water: Modelling Growth and Inactivation. <b>2020</b> , 13,	9
509	Combating the prevalence of water-borne bacterial pathogens using anisotropic structures of silver nanoparticles. <b>2020</b> , 22, 1	1
508	Enzymatic recovery of silver from waste radiographic film: Optimize with response surface methodology. <b>2020</b> , 15, 100224	3
507	Simultaneous hydrogel crosslinking and silver nanoparticle formation by using ionizing radiation to obtain antimicrobial hydrogels. <b>2020</b> , 169, 108777	12
506	Protonation-dependent adsorption of polyarginine onto silver nanoparticles. <b>2020</b> , 127, 075502	7
505	Synthesis of sericin-conjugated silver nanoparticles and their potential antimicrobial activity. <b>2020</b> , 60, 458-467	9
504	Bactericidal potentials of silver nanoparticles: novel aspects against multidrug resistance bacteria. <b>2020</b> , 175-188	5
503	Inhibitory activity of biofunctionalized silver-capped N-methylated water-soluble chitosan thiomers for microbial and biofilm infections. <b>2020</b> , 152, 709-717	31
502	Cytotoxicity and Antibacterial Activity of Alginate Hydrogel Containing Nitric Oxide Donor and Silver Nanoparticles for Topical Applications. <b>2020</b> , 6, 2117-2134	38
501	Biosynthesis of Silver Nanoparticles Using Aqueous Leaf Extract and Their Antibacterial and Antiproliferative Activity Against Cancer Cell Lines. <b>2020</b> , 5, 5520-5528	88
500	Nanoparticles for treatment of bovine mastitis. <b>2020</b> , 27, 292-308	25
499	A dual-functional implant with an enzyme-responsive effect for bacterial infection therapy and tissue regeneration. <b>2020</b> , 8, 1840-1854	27
498	(Amino)cyclophosphazenes as Multisite Ligands for the Synthesis of Antitumoral and Antibacterial Silver(I) Complexes. <b>2020</b> , 59, 2464-2483	16
497	Bimetallic gold-silver nanoparticles mediate bacterial killing by disrupting the actin cytoskeleton MreB. <b>2020</b> , 12, 3731-3749	17
496	Functional properties of composites containing silver nanoparticles embedded in hyaluronan and hyaluronan-lecithin matrix. <b>2020</b> , 149, 417-423	15
495	Tannic Acid-Assisted Synthesis of Biodegradable and Antibacterial Mesoporous Organosilica Nanoparticles Decorated with Nanosilver. <b>2020</b> , 8, 1695-1702	13



494	Size effect-inspired fabrication of konjac glucomannan/polycaprolactone fiber films for antibacterial food packaging. <b>2020</b> , 149, 853-860		22
493	Synthesis and characterization of cecropin peptide-based silver nanocomposites: Its antibacterial activity and mode of action. <b>2020</b> , 110, 110712		12
492	Genotoxicity of Silver Nanoparticles. <b>2020</b> , 10,		36
491	Zeolitic Imidazolate Framework-8-Encapsulated Nanoparticle of Ag/Cu Composites Supported on Graphene Oxide: Synthesis and Antibacterial Activity. <b>2020</b> , 5, 9626-9640		15
490	Antibacterial and Immunomodulating Activity of Silver Nanoparticles on Mice Experimental Tuberculosis Model. <b>2020</b> , 56, 226-232		5
489	Green synthesis of silver nanoparticles and their applications as an alternative antibacterial and antioxidant agents. <b>2020</b> , 112, 110901		72
488	Green synthesis of nanometal impregnated biomass - antiviral potential. <b>2020</b> , 112, 110934		22
487	Biosynthesis of NiFe O @Ag Nanocomposite and Assessment of Its Effect on Expression of norA Gene in Staphylococcus aureus. <b>2020</b> , 17, e2000072		3
486	Silver Nanoparticles for the Therapy of Tuberculosis. <b>2020</b> , 15, 2231-2258		23
485	Green Synthesis of an Activated Carbon-Supported Ag and ZnO Nanocomposite for Photocatalytic Degradation and Its Antibacterial Activities. <i>Molecules</i> , <b>2020</b> , 25,	4.8	17
484	Silver Nanoparticles Derived from Albizia lebbeck Bark Extract Demonstrate Killing of Multidrug-Resistant Bacteria by Damaging Cellular Architecture with Antioxidant Activity. <b>2020</b> , 5, 4770-4777		3
483	Antibacterial and Antitumoral Activities of the Spider Acylpolyamine Mygalin Silver Nanoparticles. <b>2020</b> , 10, 463-472		4
482	Antibacterial and Hemostatic Thiol-Modified Chitosan-Immobilized AgNPs Composite Sponges. <b>2020</b> , 12, 20307-20320		63
481	Antimicrobial Activity and Prevention of Bacterial Biofilm Formation of Silver and Zinc Oxide Nanoparticle-Containing Polyester Surfaces at Various Concentrations for Use. <b>2020</b> , 9,		22
480	Combating Antibiotic Resistance through the Synergistic Effects of Mesoporous Silica-Based Hierarchical Nanocomposites. <b>2020</b> , 10,		10
479	Modified Nanoparticles as Potential Agents in Bone Diseases: Cancer and Implant-Related Complications. <b>2020</b> , 10,		10
478	Silver nanoparticles and silver ions cause inflammatory response through induction of cell necrosis and the release of mitochondria in vivo and in vitro. <b>2021</b> , 37, 177-191		10
477	First Principles Study of Structure, Alloying and Electronic Properties of Mg-doped CuAg Nanoalloys. <b>2021</b> , 32, 719-725		1

476	Current Perspectives and Future Prospects of Nano-Biotechnology in Wastewater Treatment. <b>2021</b> , 50, 139-158	28
475	Biological and Catalytic Activities of Green Synthesized Silver Nanoparticles from the Leaf Infusion of Boiss. <b>2021</b> , 5, 2000018	2
474	The oxygen reduction reaction at silver electrodes in high chloride media and the implications for silver nanoparticle toxicity. <b>2020</b> , 12, 397-406	6
473	The Antibacterial Drug Candidate SBC3 is a Potent Inhibitor of Bacterial Thioredoxin Reductase. <b>2021</b> , 22, 1093-1098	6
472	Sol-gel coupled ultrasound synthesis of photo-activated magnesium oxide nanoparticles: Optimization and antibacterial studies. <b>2021</b> , 99, 502-518	2
471	The effect of sludge retention time and organic loading rate on performance and membrane fouling in membrane bioreactor. <b>2021</b> , 96, 743-754	3
470	Graphene nanoplatelets/Cr2O3 nanocomposites as novel nanoantibiotics: Towards control of multiple drug resistant bacteria. <b>2021</b> , 47, 889-898	6
469	In vitro analysis of green fabricated silver nanoparticles (AgNPs) against Pseudomonas aeruginosa PA14 biofilm formation, their application on urinary catheter. <b>2021</b> , 151, 106058	22
468	Green Synthesis of Silver Nanoparticles Using Nymphae odorata Extract Incorporated Films and Antimicrobial Activity. <b>2021</b> , 29, 1412-1423	11
467	Antibacterial and antibiofilm potential of silver nanoparticles against antibiotic-sensitive and multidrug-resistant Pseudomonas aeruginosa strains. <b>2021</b> , 52, 267-278	14
466	Nanoparticle drug conjugates treating microbial and viral infections: A review. <b>2021</b> , 1228, 129750	15
465	Chemical- vs sonochemical-assisted synthesis of ZnO nanoparticles from a new zinc complex for improvement of carotene biosynthesis from Rhodotorula toruloides MH023518. <b>2021</b> , 35, e6086	3
464	An intelligent platform based on acidity-triggered aggregation of gold nanoparticles for precise photothermal ablation of focal bacterial infection. <b>2021</b> , 407, 127076	7
463	The application possibility of acellular dermal matrix decorated with nano-silver in the reconstruction of contaminated abdominal wall. <b>2021</b> , 119, 111645	2
462	Exploring Microbial Nanotoxicity Against Drug Resistance in Bacteria. <b>2021</b> , 139-170	
461	New hybrid materials for wound cover dressings. <b>2021</b> , 203-245	2
460	Exploring the optical limiting, photocatalytic and antibacterial properties of the BiFeO-NaNbO nanocomposite system.. <b>2021</b> , 11, 8450-8458	2
459	Biocidal activity of Ba-doped CeO NPs against and bacterial strains.. <b>2021</b> , 11, 30623-30634	2

458	Potentialities of selenium nanoparticles in biomedical science. <b>2021</b> , 45, 2849-2878	41
457	Nanoparticles: Powerful Tool to Mitigate Antibiotic Resistance. <b>2021</b> , 171-204	1
456	Nanomaterials for Pharmaceutical Applications. <b>2021</b> , 221-265	
455	Synthesis of ruthenium complexes functionalized with benzothiophene and their antibacterial activity against Staphylococcus aureus. <b>2021</b> , 50, 5607-5616	4
454	Ca-Si mesoporous nanoparticles with the optimal Ag-Zn ratio inhibit the infection of teeth through dentinal tubule infiltration: an and study. <b>2021</b> , 9, 2200-2211	4
453	Nanotechnology-A New Frontier in Medical Microbiology. <b>2021</b> , 375-392	
452	Recent advancements in coinage metal nanostructures and bio-applications. <b>2021</b> , 2, 1507-1529	13
451	Antibacterial properties of silver nanoparticles and their membranotrophic action. <b>2021</b> , 64-71	0
450	Antibacterial peptide-modified collagen nanosheet for infected wound repair. <b>2021</b> , 2, 172-181	7
449	Potential of silver nanoparticles for veterinary applications in livestock performance and health. <b>2021</b> , 657-683	1
448	Non-Conventional Antimicrobial Agents. <b>2021</b> ,	0
447	Silver nanoparticles doped with silver cations and stabilized with maleic acid copolymers: specific structure and antimicrobial properties. <b>2021</b> , 45, 14513-14521	3
446	A comparative study of experimental urinary catheters containing silver and zinc for biofilm inhibition. <b>2021</b> , 35, 1071-1081	2
445	High antibacterial in vitro performance of gold nanoparticles synthesized by epigallocatechin 3-gallate. <b>2021</b> , 36, 518-532	4
444	Synthesis of Terminalia bellirica fruit extract mediated silver nanoparticles and application in photocatalytic degradation of wastewater from textile industries. <b>2021</b> , 44, 1995-1998	6
443	Addressing Antimicrobial Resistance Through Nanoantibiotics. <b>2021</b> , 56-86	
442	Green Silver Nanoparticles: Recent Trends and Technological Developments. <b>2021</b> , 29, 2711-2737	2
441	Investigation of Nanoparticle Metallic Core Antibacterial Activity: Gold and Silver Nanoparticles against and. <b>2021</b> , 22,	18

440	Pungent anti-infective nanocolloids manipulate growth, biofilm formation, and CTX-M-15 gene expression in pathogens causing vibriosis. <b>2021</b> , 29, 859-869	8
439	Cetyltrimethylammonium Bromide (CTAB)-Loaded SiO-Ag Mesoporous Nanocomposite as an Efficient Antibacterial Agent. <b>2021</b> , 11,	13
438	Conjugation of Silver Nanoparticles with De Novo Engineered Cationic Antimicrobial Peptides: Proposal for Study (Preprint).	
437	Synthesis, Characterization and Testing of Antimicrobial Activity of Composites of Unsaturated Polyester Resins with Wood Flour and Silver Nanoparticles. <b>2021</b> , 14,	3
436	CuFe <sub>2</sub> O <sub>4</sub> @Ag Nanocomposite Synthesized in the Presence of <i>Spirulina platensis</i> Decreases the Expression of <i>norB</i> Gene in <i>Staphylococcus aureus</i> . 1	1
435	Comparative Study Between Silver Nanoparticles Dressing (SilvrSTAT Gel) and Conventional Dressing in Diabetic Foot Ulcer Healing: A Prospective Randomized Study. <b>2021</b> , 1534734620988217	1
434	Photo-Mediated Facile Synthesis of Silver Nanoparticles Using <i>Curcuma zanthorrhiza</i> Rhizome Extract and Their In Vitro Antimicrobial and Anticancer Activity. <b>2021</b> , 31, 3111	3
433	Copper nanoparticles against benzimidazole-resistant <i>Monilinia fructicola</i> field isolates. <b>2021</b> , 173, 104796	10
432	Silver nanoparticles from insect wing extract: Biosynthesis and evaluation for antioxidant and antimicrobial potential. <b>2021</b> , 16, e0241729	8
431	Conjugation of imipenem to silver nanoparticles for enhancement of its antibacterial activity against multidrug-resistant isolates of <i>Pseudomonas aeruginosa</i> . <b>2021</b> , 46, 1	6
430	Wavelength-Dependent Optical Nonlinear Absorption of Au-Ag Nanoparticles. <b>2021</b> , 11, 3072	1
429	Antibacterial and Antibiofilm Potential of Sea Anemone ( <i>Stichodactyla haddoni</i> ) Isolated <i>Vibrio</i> ( <i>V. parahaemolyticus</i> and <i>V. alginolyticus</i> ), and <i>Pseudoalteromonas</i> ( <i>P. gelatinilytica</i> and <i>P. piscicida</i> ) Against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <b>2021</b> , 25,	
428	<i>Clitorea ternatea</i> -mediated silver nanoparticle-doped hydroxyapatite derived from cockle shell as antibacterial material. <b>2021</b> , 769, 138412	11
427	Electrospun polylactic acid nanofiber membranes containing <i>Capparis spinosa</i> L. extracts for potential wound dressing applications. <b>2021</b> , 138, 50800	4
426	Antimicrobial nanomedicine for ocular bacterial and fungal infection. <b>2021</b> , 11, 1352-1375	10
425	Nanotechnology: A cutting-edge technology in vegetable production. 1-14	
424	Phyto-fabricated silver nanoparticles inducing microbial cell death via reactive oxygen species-mediated membrane damage. <b>2021</b> , 15, 492-504	1
423	COVID-19: Challenges, Preventive Measures and Remediation. <b>2021</b> , 37, 285-294	

422	Green Synthesis of Silver Nanoparticles with Antibacterial Activity Using Various Medicinal Plant Extracts: Morphology and Antibacterial Efficacy. <b>2021</b> , 11,	34
421	Formulation and evaluation of injectable dextran sulfate sodium nanoparticles as a potent antibacterial agent. <b>2021</b> , 11, 9914	6
420	Antibacterial effect of silver nanoparticles mixed with calcium hydroxide or chlorhexidine on multispecies biofilms. <b>2021</b> , 109, 802-811	0
419	Study of Antimicrobial Properties of Preparations Based on Maleic-Acid Copolymers Containing Silver Nanoparticles and Phenolic Residues. <b>2021</b> , 57, 377-383	1
418	Antibacterial Activity of TiO <sub>2</sub> Nanoparticles Prepared by One-Step Laser Ablation in Liquid. <b>2021</b> , 11, 4623	23
417	Ruthenium-based Photoactive Metalloantibiotics. <b>2021</b> ,	4
416	Eco-friendly biosynthesis metallic silver nanoparticles using <i>Aegle marmelos</i> (Indian bael) and its clinical and environmental applications. 1	10
415	Investigation of the Role of Aromatic Residues in the Antimicrobial Peptide BuCATHL4B. <b>2021</b> , 28, 388-402	4
414	Influence of Silver Nanoparticles on the Biological Indicators of Haplic Chernozem. <b>2021</b> , 10,	8
413	The Role of Biosynthesized Silver Nanoparticles in Antimicrobial Mechanisms. <b>2021</b> , 22, 762-772	3
412	Eco-friendly synthesis route of silver nanoparticle: A review. <b>2021</b> , 1913, 012052	1
411	Antibacterial, Antifungal and Antibiofilm Activities of Silver Nanoparticles Supported by Crude Bioactive Metabolites of Bionanofactories Isolated from Lake Mariout. <i>Molecules</i> , <b>2021</b> , 26,	4.8 9
410	Nanostructured Titanium Alloys Surface Modification Technology for Antibacterial and Osteogenic Properties. <b>2021</b> , 17, 175-193	5
409	Nanoparticles for the Treatment of Inner Ear Infections. <b>2021</b> , 11,	5
408	Bactericidal and fungicidal capacity of AgO/Ag nanoparticles synthesized with extract. <b>2021</b> , 56, 762-768	3
407	On the developmental toxicity of silver nanoparticles. <b>2021</b> , 203, 109611	4
406	Nanoscience-Led Antimicrobial Surface Engineering to Prevent Infections. <b>2021</b> , 4, 4269-4283	5
405	Chitosan/Gelatin/Silver Nanoparticles Composites Films for Biodegradable Food Packaging Applications. <b>2021</b> , 13,	15

404	The Combined Use of Gentamicin and Silver Nitrate in Bone Cement for a Synergistic and Extended Antibiotic Action against Gram-Positive and Gram-Negative Bacteria. <b>2021</b> , 14,	4
403	A Critical Review of the Use of Surfactant-Coated Nanoparticles in Nanomedicine and Food Nanotechnology. <b>2021</b> , 16, 3937-3999	15
402	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Post-Modification Methods. <b>2021</b> , 8, 2100430	12
401	Silver and Copper Nanoparticles Inhibit Biofilm Formation by Mastitis Pathogens. <b>2021</b> , 11,	11
400	Colorimetric Research of Silver Colloids. 1	0
399	Green Synthesized Silver Nanoparticles Immobilized on Activated Carbon Nanoparticles: Antibacterial Activity Enhancement Study and Its Application on Textiles Fabrics. <i>Molecules</i> , <b>2021</b> , 26,	4.8 3
398	Repeated oral administration of low doses of silver in mice: tissue distribution and effects on central nervous system. <b>2021</b> , 18, 23	7
397	In Vitro Antifungal Activity of Green Synthesized Silver Nanoparticles in Comparison to Conventional Antifungal Drugs Against <i>Trichophyton Interdigitale</i> , <i>Trichophyton Rubrum</i> and <i>Epidermophyton Floccosum</i> . <b>2021</b> , 21, 370-374	1
396	Microfluidic-assisted synthesis of uniform polymer-stabilized silver colloids. <b>2021</b> , 618, 126438	2
395	Effects of silver nanoparticle-based antimicrobial formulations on the properties of denture polymer: A systematic review and meta-analysis of in vitro studies. <b>2021</b> ,	1
394	Potentials of metallic nanoparticles for the removal of antibiotic resistant bacteria and antibiotic resistance genes from wastewater: A critical review. <b>2021</b> , 41, 102041	6
393	Role of bacterial motility in differential resistance mechanisms of silver nanoparticles and silver ions. <b>2021</b> , 16, 996-1003	25
392	Preparation of serum capped silver nanoparticles for selective killing of microbial cells sparing host cells. <b>2021</b> , 11, 11610	4
391	Gentamicin/CTMA/Montmorillonite as Slow-Released Antibacterial Agent. <b>2021</b> , 31, 367-374	
390	Bone biomaterials for overcoming antimicrobial resistance: Advances in non-antibiotic antimicrobial approaches for regeneration of infected osseous tissue. <b>2021</b> , 46, 136-154	11
389	Formation and Investigation of Physicochemical, Biological and Bacteriostatic Properties of Nanocomposite Foils Containing Silver Nanoparticles and Graphene Oxide in Hyaluronic Acid Matrix. <b>2021</b> , 14,	9
388	Au@Ag Core@Shell Nanoparticles Synthesized with <i>Rumex hymenosepalus</i> as Antimicrobial Agent. <b>2021</b> , 16, 118	1
387	Effect of pulsed laser irradiation on the thermal diffusivity of bimetallic Au/Ag nanoparticles. <b>2021</b> , 139, 106954	1

386	Silver Nanodot Decorated Dendritic Copper Foam As a Hydrophobic and Mechano-Chemo Bactericidal Surface. <b>2021</b> , 37, 9356-9370	5
385	The Mechanistic Action of Biosynthesised Silver Nanoparticles and Its Application in Aquaculture and Livestock Industries. <b>2021</b> , 11,	2
384	Antimicrobial, antioxidant, anti-glycation and toxicity studies on silver nanoparticles synthesized using Rosa damascena flower extract. <b>2021</b> , 14, 519-533	2
383	Polydopamine-coated chitosan hydrogel beads for synthesis and immobilization of silver nanoparticles to simultaneously enhance antimicrobial activity and adsorption kinetics. <b>2021</b> , 4, 696-706	23
382	Carbon quantum dots modified AgS/CS nanocomposite as effective antibacterial agents. <b>2021</b> , 220, 111456	3
381	Small RNAs as a New Platform for Tuning the Biosynthesis of Silver Nanoparticles for Enhanced Material and Functional Properties. <b>2021</b> , 13, 36769-36783	0
380	Silver nanoparticles-chitosan composites activity against resistant bacteria: tolerance and biofilm inhibition. <b>2021</b> , 23, 196	3
379	A Biological Study of Anisotropic Silver Nanoparticles and Their Antimicrobial Application for Topical Use. <b>2021</b> , 8,	0
378	Systematic Review on Biosynthesis of Silver Nanoparticles and Antibacterial Activities: Application and Theoretical Perspectives. <i>Molecules</i> , <b>2021</b> , 26,	4.8 8
377	Recent advances in anticancer and antimicrobial activity of silver nanoparticles synthesized using phytochemicals and organic polymers. <b>2021</b> , 32,	3
376	Nanomaterials as a Successor of Antibiotics in Antibiotic-Resistant, Biofilm Infected Wounds?. <b>2021</b> , 10,	5
375	Toxicity, bioaccumulation, and transformation of silver nanoparticles in aqua biota: a review. <b>2021</b> , 19, 4275	8
374	Fabrication of silver-doped apatite powders from silver-substituted octacalcium phosphate powders via solid-solid phase-conversion process. <b>2021</b> , 47, 25614-25621	2
373	Green synthesis and characterization of silver nanoparticles using Pteris vittata extract and their therapeutic activities. <b>2021</b> ,	5
372	Synthesis of silver nanoparticles in liquid reactive oligomers for the development of biocidal composites. <b>2021</b> , 28, 102476	
371	Physico-chemical and antimicrobial properties of Ag/Ta <sub>2</sub> O <sub>5</sub> nanocomposite coatings. <b>2021</b> , 47, 24139-24148	2
370	Synthesis of Sodium Alginate-Silver Nanocomposites Using Plasma Activated Water and Cold Atmospheric Plasma Treatment. <b>2021</b> , 11,	0
369	Sustainable synthesis of silver nanoparticles using various biological sources and waste materials: a review. 1	3

368	Preparation and properties of antibacterial PVDF composite thin films. <b>2021</b> , 110803	4
367	Nanomaterials Application in Endodontics. <b>2021</b> , 14,	2
366	Antibacterial performance of hybrid nanocomposite coatings containing clay and silver nanoparticles. <b>2021</b> , 628, 127354	1
365	Ultrasmall Ga-ICG nanoparticles based gallium ion/photodynamic synergistic therapy to eradicate biofilms and against drug-resistant bacterial liver abscess. <b>2021</b> , 6, 3812-3823	4
364	Effect of round-shaped silver nanoparticles on the genetic and functional diversity of soil microbial community in soil and Boil-plant systems. <b>2021</b> , 168, 104165	2
363	Development of pH-responsive nanocomposites with remarkably synergistic antibiofilm activities based on ultrasmall silver nanoparticles in combination with aminoglycoside antibiotics. <b>2021</b> , 208, 112112	1
362	Biosustainable production of nanoparticles via mycogenesis for biotechnological applications: A critical review. <b>2022</b> , 204, 111963	3
361	Detection and mineralization of pesticides using silver nanoparticles. <b>2021</b> , 383-406	0
360	Silver Nanoparticles as a Fungicide against Soil-Borne Sclerotium rolfsii: A Case Study for Wheat Plants. <b>2021</b> , 513-542	0
359	Microflow synthesis and enhanced photocatalytic dye degradation performance of antibacterial BiO nanoparticles. <b>2021</b> , 28, 19155-19165	6
358	Low-dimensional nanomaterials for antibacterial applications. <b>2021</b> , 9, 3640-3661	12
357	Medicine at Nanoscale. <b>2021</b> , 133-158	0
356	A comprehensive review on antimicrobial face masks: an emerging weapon in fighting pandemics.. <b>2021</b> , 11, 6544-6576	34
355	Surface-Modified Noble Metal Nanoparticles as Antimicrobial Agents: Biochemical, Molecular and Therapeutic Perspectives. <b>2021</b> , 165-205	2
354	Enhanced antibacterial activity of decahedral silver nanoparticles. <b>2021</b> , 23, 1	4
353	CNF/AgNP/chitosan Film With Antimicrobial and Antihemolytic Properties for Wound Healing.	
352	Hybrid water vapor sorbent design with pollution shielding properties: extracting clean water from polluted bulk water sources. <b>2021</b> , 9, 14731-14740	9
351	Review on Silver Nanoparticles as a Novel Class of Antibacterial Solutions. <b>2021</b> , 11, 1120	43



350	Green Synthesis and Biogenic Materials, Characterization, and Their Applications. <b>2019</b> , 29-61	3
349	Advances in Antimicrobial and Osteoinductive Biomaterials. <b>2020</b> , 3-34	2
348	Silver Nanoparticles in Wound Infections: Present Status and Future Prospects. <b>2020</b> , 151-168	4
347	Biosynthesis of Nanoparticles and Their Potential Application in Food and Agricultural Sector. <b>2020</b> , 213-225	10
346	Green and Bio-Mechanochemical Approach to Silver Nanoparticles Synthesis, Characterization and Antibacterial Potential. <b>2020</b> , 145-183	2
345	Biosynthesis, Mechanisms, and Biomedical Applications of Silver Nanoparticles. <b>2020</b> , 313-332	5
344	Inorganic Particles for Delivering Natural Products. <b>2020</b> , 205-241	2
343	Nanomaterials for Delivery of Nutrients and Growth-Promoting Compounds to Plants. <b>2017</b> , 177-226	24
342	Production and Application of Novel Bio-active Compounds by Endophytic Microbes. <b>2019</b> , 1-40	1
341	A pH-sensitive fluorescent protein sensor to follow the pathway of calcium phosphate nanoparticles into cells. <b>2020</b> , 111, 406-417	15
340	Nano-metal oxides naturally attenuate antibiotic resistance in wastewater: Killing antibiotic resistant bacteria by dissolution and decreasing antibiotic tolerance by attachment. <b>2020</b> , 18, 100225	7
339	In situ synthesis of amply antimicrobial silver nanoparticle (AgNP) by polyzwitterionic copolymers bearing hydroxyl groups. <b>2020</b> , 153, 104609	6
338	Analytical study of biosynthesised silver nanoparticles against multi-drug resistant biofilm-forming pathogens. <b>2020</b> , 14, 331-340	1
337	Shape-controlled silver NPs for shape-dependent biological activities. <b>2017</b> , 12, 647-651	8
336	Insect wing extract: A novel source for green synthesis of nanoparticles of antioxidant and antimicrobial potential.	1
335	Antibacterial activity of iron oxide, iron nitride, and tobramycin conjugated nanoparticles against <i>Pseudomonas aeruginosa</i> biofilms. <b>2020</b> , 18, 35	53
334	Effect of glutathione-stabilized silver nanoparticles on expression of las I and las R of the genes in <i>Pseudomonas aeruginosa</i> strains. <b>2020</b> , 25, 17	2
333	The Influence of Sonication and Silver Nanoparticles Doped on Viscoelastic Structure of Agarose Gel. <b>2017</b> , 132, 152-154	2

332	Antioxidant, Antimicrobial and Cytotoxic Properties as Well as the Phenolic Content of the Extract from <i>Hancornia speciosa</i> Gomes. <b>2016</b> , 11, e0167531	37
331	Biogenic nanosilver synthesized in <i>Metarhizium robertsii</i> waste mycelium extract - As a modulator of <i>Candida albicans</i> morphogenesis, membrane lipidome and biofilm. <b>2018</b> , 13, e0194254	22
330	Greens Synthesis of Antimicrobial Nanosilver using in vitro Cultured <i>Dioscorea bulbifera</i> . <b>2019</b> , 4, 222-227	11
329	Nanomaterial integration into the scaffolding materials for nerve tissue engineering: a review. <b>2020</b> ,	7
328	Plasma-chemical Synthesis of Silver Nanoparticles in the Presence of Citrate. <b>2018</b> , 13, 7-14	18
327	Size-Dependent Bioactivity of Silver Nanoparticles: Antibacterial Properties, Influence on Copper Status in Mice, and Whole-Body Turnover. <b>2020</b> , 13, 137-157	11
326	Current Highlights About the Safety of Inorganic Nanomaterials in Healthcare. <b>2019</b> , 26, 2147-2165	8
325	Drug Delivery Systems Based on Titania Nanotubes and Active Agents for Enhanced Osseointegration of Bone Implants. <b>2020</b> , 27, 854-902	12
324	<i>Azadirachta Indica</i> and <i>Brassica Oleracea</i> Mediated Green Synthesis vs. Chemical Synthesis of Silver Nanoparticles and their Antibacterial Properties. <b>2019</b> , 9, 393-397	2
323	Use of silver nanoparticles to control <i>Vibrio fluvialis</i> in cultured angelfish <i>Pterophyllum scalare</i> . <b>2019</b> , 137, 65-72	3
322	Two Sides to the Same Coin-Cytotoxicity vs. Potential Metastatic Activity of AgNPs Relative to Triple-Negative Human Breast Cancer MDA-MB-436 Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8 1
321	The Strategies of Pathogen-Oriented Therapy on Circumventing Antimicrobial Resistance. <b>2020</b> , 2020, 2016201	7
320	Synthesis Pathway and Powerful Antimicrobial Properties of Silver Nanoparticle: A Critical Review. <b>2018</b> , 12, 1-17	12
319	Silver Nanoparticles: Biosynthesis and Antimicrobial Potentialities. <b>2017</b> , 13, 832-845	49
318	The Concept of Ideal Drug & its Realization Opportunity using Nanopharmaceutical Research Scenario. 11-26	8
317	Silver Nanoparticles Offer Effective Control of Pathogenic Bacteria in a Wide Range of Food Products.	2
316	Synthesis, Characterization and Antimicrobial Activity of <i>Bacillus subtilis</i> -Derived Silver Nanoparticles Against Multidrug-Resistant Bacteria. <b>2020</b> , 13,	6
315	Green synthesis of nanoparticles with extracellular and intracellular extracts of basidiomycetes. <b>2018</b> , 6, e5237	30

314	The Synergistic Antibacterial Activity of Silver Nanoparticles and T. polium Extracts. <b>2021</b> , 66, 623-628	
313	Silver nanoparticles: safety and efficiency for human health. <b>2021</b> , 19, 247-257	0
312	Synthesis of silver nanoparticles by plant extract, incorporated into alginate films and their characterizations. 1	1
311	Synthesis of Chitosan-Coated Silver Nanoparticle Bioconjugates and Their Antimicrobial Activity against Multidrug-Resistant Bacteria. <b>2021</b> , 11, 9340	4
310	Synergistic Effect of Tea-Phytochemicals, Noble Metals and Zn Nano-Photo-Composites for Combating Resistance of Bacterial Growth. 70, 53-66	
309	Surface Modification of Bamboo Charcoal by O Plasma Treatment and UV-Grafted Thermo-Sensitive AgNPs Hydrogel to Improve Antibacterial Properties in Biomedical Application. <b>2021</b> , 11,	1
308	Antibacterial Activity of Kaolin-Silver Nanomaterials: Alternative Approach to the Use of Antibiotics in Animal Production. <b>2021</b> , 10,	0
307	Nanomedicines: Nano based Drug Delivery Systems Challenges and Opportunities.	3
306	Endowing Conductive Polyetheretherketone/Graphene Nanocomposite with Bioactive and Antibacterial Coating through Electrophoresis. 2100646	0
305	Novel static magnetic field effects on green chemistry biosynthesis of silver nanoparticles in <i>Saccharomyces cerevisiae</i> . <b>2021</b> , 11, 20078	2
304	Surface modification of textiles by green nanotechnology against pathogenic microorganisms. <b>2021</b> , 4, 100206	1
303	Antimicrobial activity of silver nanoparticles synthesized from fruit epicarp of <i>Glycosmis pentaphylla</i> (Funded Work). <b>2021</b> , 12, 35-46	
302	Antimicrobial and antihemolytic properties of a CNF/AgNP-chitosan film: A potential wound dressing material. <b>2021</b> , 7, e08197	3
301	Green and facile synthesis of aminated lignin-silver complex and its antibacterial activity. <b>2021</b> , 173, 114102	5
300	Mesoporous silica nanosheets with well-dispersed small Ag nanoparticles for the construction of robust transparent antibacterial nanocoatings. <b>2021</b> , 328, 111476	1
299	Colloid silver and its biological activity. <b>2016</b> , 30, 18-20	0
298	Polysaccharide induced production of silver nanoparticles (ag-nps) and their antibacterial Efficacy against selected bacterial pathogens. <b>2017</b> , 8,	
297	Hybrid Plasmonic Nanostructures. <b>2017</b> , 1193-1211	

296 Silver and Histone Modifications. **2017**, 1-16

295    **2018**, 64-75 1

294 Antibacterial effect of silver nanoparticles. Mechanisms of action. **2018**, 4, 39

293 Silver Nanoparticles as Nanoantibiotics: A Comparative Analysis of their Toxicity on Biological Systems of Different Complexity. **2018**, 1, 8-11

292 Recent Advances in Plant Pathogen Control by Nanocides. **2019**, 101-137

291 Nanobiotechnology: Current and Future Perspectives in Combating Microbial Pathogenesis. **2019**, 337-350

290 CYTOLOGICAL EXAMINATION OF EXPERIMENTAL PURULENT WOUNDS IN THE TREATMENT OF SILVER NANOPARTICLES IN ULTRASOUND CAVITATION. **2019**, 7, 386-395 0

289 Nanotechnology: A Twenty-First-Century Approach Towards the Control of Antibiotic-Resistant Bacteria. **2019**, 135-151

288 Bactericidal Nanostructured Titanium Surface Through Thermal Annealing. **2019**, 83-92 1

287 Novolac-based Polymer-silver Nanoparticles Hybrid: Synthesis, Characterization and Antibacterial Evaluation. **2019**, 3, 75-82 1

286 The effect of antibacterial synergism of silver nanoparticles with extract of *Urtica dioica* and *Allium hirtifolium* against multidrug resistant *klebsiella* (MDR) isolated from ICU patients. **2019**, 29, 131-140

285 Optimization of Silver Nanoparticle Synthesis by Banana Peel Extract Using Statistical Experimental Design, and Testing of their Antibacterial and Antioxidant Properties. **2019**, 20, 858-873 2

284 Binary co-deposited mixtures of silver and magnesium phosphates and silver and copper(II) phosphates. **2019**, 26,

283 The Plasma-Induced Formation of PVP-Coated Silver Nanoparticles and Usage in Water Purification. **2020**, 14, 47-54 2

282 Green ultrasonic synthesis, Characterization and Antibacterial activity of Silver and Gold Nanoparticles mediated by *Ganoderma lucidum* extract. **2020**, 4, 0

281 CELLULOSE MATERIALS MODIFIED BY SILVER NANOPARTICLES AND THE STUDY OF THEIR ANTIBACTERIAL PROPERTIES. **2020**, 345-355 1

280 Biogenic Silver Nanoparticles: What We Know and What Do We Need to Know?. **2021**, 11, 5

279 Synthesis and Antibacterial Activity of Silver Nanoparticles Against *Escherichia coli* and *Pseudomonas* sp.. 0

278	Tri-functional SERS nanoplatfrom with tunable plasmonic property for synergistic antibacterial activity and antibacterial process monitoring. <b>2021,</b>	1
277	-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <b>2021, 10,</b>	2
276	Synthesis of silver nanoparticles using aqueous extract of Cuscuta japonica seeds and their antibacterial and antioxidant activities. <b>2021, 134, 109035</b>	6
275	Oxidative and/or Inflammatory Thrust Induced by Silver Nanoparticles in Rabbits: Effect of Vitamin E or NSAID Administration on Semen Parameters. <b>2020, 2020, 6664062</b>	0
274	Bio-mediated synthesis of silver nanoparticles via microwave-assisted technique and their biological applications. <b>2022, 149-188</b>	0
273	Synthesis, properties, and uses of silver nanoparticles obtained from leaf extracts. <b>2022, 317-357</b>	0
272	Cytological Characteristics of Experimental Purulent Wounds Using Silver Nanoparticles during Treatment. <b>2019, 4, 60-66</b>	
271	Subject Index. <b>2020, 427-432</b>	
270	Application of Nanoparticles in Drug Delivery. <b>2020, 35-57</b>	2
269	Immunohistochemical and morphological characteristics of tissues response to polylactic acid membranes with silver nanoparticles. <b>2020, 25, e29-e33</b>	1
268	Nanoparticles from Endophytic Fungi and Their Efficacy in Biological Control. <b>2020, 161-179</b>	1
267	. <b>2020,</b>	
266	EditorsBiographies. <b>2020, 421-421</b>	
265	The Need for Engineering Antimicrobial Surfaces. <b>2020, 1-12</b>	
264	Title, Copyright, Foreword. <b>2020, i-v</b>	
263	Synergy and Antagonism: The Criteria of the Formulation. <b>2020, 31-43</b>	
262	Disease-Causing Seed Pathogenic Microorganisms and Their Management Practices. <b>2020, 185-200</b>	
261	Carbopol-mastic gum/silver nanoparticle-based topical gels. <b>2020, 16, 546</b>	

260	SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF SILVER NANOPARTICLES STABILIZED BY CITRATE ANIONS. <b>2020</b> , 2020, 127-135	
259	Studies on binding of single-stranded DNA with reduced graphene oxide-silver nanocomposites. <b>2020</b> , 14, 308-313	0
258	Antibacterial Effects of Modified Implant Abutment Surfaces for the Prevention of Peri-Implantitis-A Systematic Review. <b>2021</b> , 10,	3
257	Kermes oak ( <i>Quercus coccifera</i> L.) extract for a biogenic and eco-benign synthesis of silver nanoparticles with efficient biological activities. <b>2021</b> , 24, 102067	0
256	Ceftriaxone Mediated Synthesized Gold Nanoparticles: A Nano-Therapeutic Tool to Target Bacterial Resistance. <b>2021</b> , 13,	4
255	Presence of Silver Resistance Genes is not associated with Minimum Inhibitory Concentration of Silver Nanoparticles against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <b>2020</b> , 14, 7-12	
254	Hybrid Plasmonic Nanostructures. 276-293	
253	Enhanced bactericidal activity of azithromycin-coated silver nanoprisms in comparison to their spherical-shaped counterparts. <b>2020</b> , 15, 834-839	
252	Advancing Discontinuous Fiber-Reinforced Composites above Critical Length for Replacing Current Dental Composites and Amalgam. <b>2017</b> , 3,	5
251	Important Dental Fiber-Reinforced Composite Molding Compound Breakthroughs. <b>2017</b> , 2017, 52-58	2
250	Antibacterial effects of microbial synthesized silver-copper nanoalloys on and. <b>2018</b> , 10, 171-179	2
249	Fiber-Reinforced Composites: A Breakthrough in Practical Clinical Applications with Advanced Wear Resistance for Dental Materials. <b>2018</b> , 17, 430-459	2
248	Antimicrobial screening of silver nanoparticles synthesized by marine cyanobacterium. <b>2020</b> , 12, 242-248	2
247	Evaluation of Blood and Liver Cytotoxicity and Apoptosis-necrosis Induced by Nanochelating Based Silver Nanoparticles in Mouse Model. <b>2020</b> , 19, 207-218	
246	[Research progress of nanomaterials in osteomyelitis treatment]. <b>2021</b> , 35, 648-655	
245	Conjugation of Silver Nanoparticles With De Novo-Engineered Cationic Antimicrobial Peptides: Exploratory Proposal. <b>2021</b> , 10, e28307	
244	Clinical Application of Silver Nanoparticles Coated by Benzalkonium Chloride. <b>2021</b> , 11, 1382	1
243	XPS study of silver and copper nanoparticles demonstrated selective anticancer, proapoptotic, and antibacterial properties.	1

242	Synthesis of Copper Nanoparticles Using Aspergillus Niger and Their Efficacy Against Pathogenic Staphylococcus Aureus. <b>2021</b> , 910, 012083	1
241	Anisotropic Silver Nanoparticles Gel Exhibits Antibacterial Action and Reduced Scar Formation on Wounds Contaminated with Methicillin-Resistant (MRSP) in a Mice Model.. <b>2021</b> , 11,	1
240	Antimicrobial Resistance and Inorganic Nanoparticles. <b>2021</b> , 22,	6
239	Antimicrobial Photodynamic Therapy: Latest Developments with a Focus on Combinatory Strategies.. <b>2021</b> , 13,	7
238	Green synthesis of silver nanoparticles using plant leaf extract and their antibacterial and anti-oxidant activities.. <b>2021</b> , 7, e08459	6
237	Inhibition of Quorum Sensing and Virulence Factors of by Biologically Synthesized Gold and Selenium Nanoparticles.. <b>2021</b> , 10,	2
236	Synthesis of Silver Nanoparticles Using Dichloromethane Extract of Chrysanthemum cinerariaefolium and Its Bioactivity. <b>2021</b> , 6, 1-17	0
235	Biosynthesis and characterization of Saudi propolis-mediated silver nanoparticles and their biological properties. <b>2021</b> , 19, 753-757	0
234	Preparation and antibacterial application of hydroxyapatite doped Silver nanoparticles derived from chicken bone. <b>2022</b> , 34, 101749	0
233	Freeze/thawed polyvinyl alcohol hydrogels: Present, past and future. <b>2022</b> , 164, 110974	14
232	SYNTHESIS OF SILVER NANOPARTICLES USING AQUEOUS EXTRACT OF PERGULARIA DAEMIA AND ANALYSIS OF ANTIMICROBIAL ACTIVITY. <b>2020</b> , 57, 25-29	
231	Silver Nanoparticles (AgNPs) in Urea Solution in Laboratory Tests and Field Experiments with Crops and Vegetables.. <b>2022</b> , 15,	2
230	Loading of Silver Nanoparticles onto Silica Sand Surface and Simulating of Heat Dissipation for Therapeutic Heat Applications. 1051, 3-9	
229	Antibacterial activity and volatile organic compounds sensing property of polypyrrole-coated cellulosic paper for food packaging purpose. 1	1
228	Overcoming Antibiotic Resistance: Playing the 'Silver Nanobullet' Card.. <b>2022</b> , 15,	
227	Silver Mesoporous Silica Nanoparticles: Fabrication to Combination Therapies for Cancer and Infection.. <b>2022</b> , e202100287	0
226	Bacitracin and isothiocyanate functionalized silver nanoparticles for synergistic and broad spectrum antibacterial and antibiofilm activity with selective toxicity to bacteria over mammalian cells.. <b>2022</b> , 112649	2
225	Eradication of Fungi Using MoSe <sub>2</sub> /Chitosan Nanosheets. <b>2022</b> , 5, 133-148	1

224	Silver Nanoparticles as Chlorhexidine and Metronidazole Drug Delivery Platforms: Their Potential Use in Treating Periodontitis.. <b>2022</b> , 17, 495-517	0
223	Biosynthesis of Silver Nanoparticles by Marine Actinobacterium and Exploring Their Therapeutic Potentials.. <b>2021</b> , 12, 705673	4
222	Polyurethane-based composites with promising antibacterial properties. 52181	2
221	Hollow Core-satellite ZIF-8/PDA/AgNPs Nanocomplexes: Fabrication, Structure and Antibacterial Activity. <b>2022</b> , 51, 127-130	0
220	Antibacterial activity and cytotoxicity of bioinspired poly(L-DOPA)-mediated silver nanostructure-decorated titanium dioxide nanowires. <b>2022</b> , 639, 128350	0
219	Anticancer and antibacterial potentials induced post short-term exposure to electromagnetic field and silver nanoparticles and related pathological and genetic alterations: in vitro study.. <b>2022</b> , 17, 4	1
218	Antibacterial Properties of Biodegradable Silver Nanoparticle Foils Based on Various Strains of Pathogenic Bacteria Isolated from the Oral Cavity of Cats, Dogs and Horses.. <b>2022</b> , 15,	2
217	Effects of wound dressing based on the combination of silver@curcumin nanoparticles and electrospun chitosan nanofibers on wound healing.. <b>2022</b> , 13, 4328-4339	7
216	Multifarious global flora fabricated phytosynthesis of silver nanoparticles: a green nanoweapon for antiviral approach including SARS-CoV-2.. <b>2022</b> , 1-32	2
215	Facile synthesis of silver nanoparticles using the Simarouba glauca leaf extract and their impact on biological outcomes: A novel perspective for nano-drug development. <b>2022</b> , 103160	0
214	Antimicrobial Resistance of and Isolated from Laying Hens, Table Eggs, and Humans with Respect to Antimicrobial Activity of Biosynthesized Silver Nanoparticles.. <b>2021</b> , 11,	1
213	Synthesis of Hollow PVP/Ag Nanoparticle Composite Fibers via Electrospinning under a Dense CO Environment.. <b>2021</b> , 14,	1
212	Silver nanoparticle@carbon quantum dot composite as an antibacterial agent.. <b>2022</b> , 12, 9621-9627	1
211	Co-exchanged montmorillonite: a potential antibacterial agent with good antibacterial activity and cytocompatibility.. <b>2022</b> ,	0
210	Development and Characterization of Highly Stable Silver NanoParticles as Novel Potential Antimicrobial Agents for Wound Healing Hydrogels.. <b>2022</b> , 23,	3
209	Antimicrobial Activity of Remineralizing Ion-Doped Amorphous Calcium Phosphates for Preventive Dentistry. <b>2022</b> , 9,	0
208	ANALYSIS OF ANTIMICROBIAL, ANTIBIOFILM, AND HEALING ACTIVITY OF LIPID NANOCARRIERS BASED ON TUCUMAN BUTTER ( <i>Astrocaryum vulgare</i> ), FIXED OILS FROM MICROALGAE <i>Chlorella homosphaera</i> AND FROM UVA SEED <i>Vitis vinifera</i> . <b>2022</b> , 10, 56-79	
207	Antibacterial properties of silver nanoparticles synthesized via nanosecond pulsed laser ablation in water. <b>2022</b> , 34, 012031	0



206	Antimicrobial activity of Hydroxyapatite nanoparticles prepared from marble wastes. <b>2022</b> , 1-9		
205	Formation, antimicrobial activity, and biomedical performance of plant-based nanoparticles: a review.. <b>2022</b> , 1-41		1
204	Biodegradable Silver Nanoparticles Gel and Its Impact on Tomato Seed Germination Rate in In Vitro Cultures. <b>2022</b> , 12, 2722		1
203	Benefit of Silver and Gold Nanoparticles in Wound Healing Process after Endometrial Cancer Protocol.. <b>2022</b> , 10,		3
202	Silver Nanoparticles Affect Arabidopsis thaliana Leaf Tissue Integrity and Suppress Pseudomonas syringae Infection Symptoms in a Dose-Dependent Manner.		0
201	Ecofriendly phytofabrication of silver nanoparticles using aqueous extract of Cuphea carthagenensis and their antioxidant potential and antibacterial activity against clinically important human pathogens.. <b>2022</b> , 134497		2
200	Development of zinc, silver, and hyaluronic acid mediated wet spun alginate fibers for potential wound care applications. 152808372210906		0
199	Recent developments in functionalized polymer NF membranes for biofouling control. 1		1
198	Functional modification of polydimethylsiloxane nanocomposite with silver nanoparticles-based montmorillonite for antibacterial applications. <b>2022</b> , 642, 128666		2
197	An eco-benign synthesis of silver nanoparticles using Aegle marmelos L. bark extract and evaluation of their DNA cleavage, DNA binding, antioxidant and antibacterial activity. 1-12		
196	Benefits of Usage of Immobilized Silver Nanoparticles as Antibiofilm Factors.. <b>2021</b> , 23,		1
195	Hyaluronic Acid-Silver Nanocomposites and Their Biomedical Applications: A Review.. <b>2021</b> , 15,		4
194	Combining antibiotics with silver nanoparticles: A potential treatment strategy against antimicrobial resistance. <b>2021</b> , 1-22		
193	Exciting progress in the transition metal-catalyzed synthesis of oxepines, benzoxepines, dibenzoxepines, and other derivatives. <b>2022</b> , 36,		1
192	Performance of Metal-Based Nanoparticles and Nanocomposites for Water Decontamination. <b>2022</b> , 65-112		
191	Phyto-Functionalized Silver Nanoparticles Derived from Conifer Bark Extracts and Evaluation of Their Antimicrobial and Cytogenotoxic Effects.. <i>Molecules</i> , <b>2021</b> , 27,	4.8	4
190	Metal and metal oxide nanoparticles: synthesis, properties, and applications as nanomedicines for diabetes treatment. <b>2022</b> , 111-142		
189	Nanotechnology: A Recent Breakthrough Against Resistant Biofilm Infection. <b>2022</b> , 345-370		

188	Activity of Silver Nanoparticles against spp.. <b>2022</b> , 23,	2
187	Focusing effects during ultrashort-pulse laser ablative generation of colloidal nanoparticles for antibacterial applications. <b>2022</b> , 19, 065601	0
186	Antibacterial activity of zinc oxide nanoparticle-loaded soft contact lens. <b>2022</b> , 16,	
185	Unique Properties of Surface-Functionalized Nanoparticles for Bio-Application: Functionalization Mechanisms and Importance in Application.. <b>2022</b> , 12,	5
184	Data_Sheet_1.PDF. <b>2018</b> ,	
183	Data_Sheet_2.PDF. <b>2018</b> ,	
182	Data_Sheet_3.PDF. <b>2018</b> ,	
181	Data_Sheet_4.PDF. <b>2018</b> ,	
180	Table_1.XLSX. <b>2018</b> ,	
179	Video_1.AVI. <b>2020</b> ,	
178	Image_1.pdf. <b>2019</b> ,	
177	Image_2.pdf. <b>2019</b> ,	
176	Table_1.docx. <b>2019</b> ,	
175	Table_2.docx. <b>2019</b> ,	
174	Syntheses of Gold and Silver Nanocomposite Contact Lenses via Chemical Volumetric Modulation of Hydrogels.. <b>2022</b> ,	0
173	Five nanometer size highly positive silver nanoparticles are bactericidal targeting cell wall and adherent fimbriae expression.. <b>2022</b> , 12, 6729	1
172	Nanocomposites based on the graphene family for food packaging: historical perspective, preparation methods, and properties.. <b>2022</b> , 12, 14084-14111	1
171	Vaginal epithelial drug delivery.. <b>2022</b> , 114293	4

- 170 Silver and Zinc Oxide Nanoparticles in Films and Coatings. **2022**, 368-393 0
- 169 Electrospinning as a Promising Process to Preserve the Quality and Safety of Meat and Meat Products. **2022**, 12, 644 1
- 168 Evaluation of Silver Nanoparticles Attached to Methylene Blue as an antimicrobial agent and its cytotoxicity.. **2022**, 102904 0
- 167 First Report on the Phenotypic and Genotypic Susceptibility Profiles to Silver Nitrate in Bacterial Strains Isolated from Infected Leg Ulcers in Romanian Patients. **2022**, 12, 4801 0
- 166 Eugenia uniflora L. Silver and Gold Nanoparticle Synthesis, Characterization, and Evaluation of the Photoreduction Process in Antimicrobial Activities. **2022**, 10, 999 0
- 165 Silver(I) complexes of N,N'-diarylformamidinium ligands: Synthesis, crystal structures, and in vitro antibacterial studies. 0
- 164 Valorization of Saffron Tepals for the Green Synthesis of Silver Nanoparticles and Evaluation of Their Efficiency Against Foodborne Pathogens. 0
- 163 Recent Research on Hybrid Hydrogels for Infection Treatment and Bone Repair. **2022**, 8, 306 0
- 162 Synthesis and characterisation of yttrium doped cerium oxide nanoparticles and their efficient antibacterial application invitro against gram-positive and gram-negative pathogens. **2022**, 0
- 161 Numerical Simulation, Analysis, and Fabrication of MEMS-Based Solid Ag and Cu Microneedles for Biomedical Applications. **2022**, 2022, 1-19 0
- 160 Biomedical applications of novel green AgNPs synthesized from endophytic bacteria Cronobacter sakazakii. 1-11 0
- 159 Bio-Environmental preparation of chitosan nanoparticle using Bacillus subtilis and their biomedical activity. **2022**, 1029, 012023 0
- 158 Preparation and optimization of antibacterial activity of graphene oxide silver nanocomposite. **2022**, 0
- 157 Antifungal Activity of Green Silver Nanoparticles from Extract of North Sinai's Cleome Amblyocarpa. 0
- 156 Graphene oxide silver alginate and graphene oxide silver cellulose nanofibril nanocomposite: Comparison of antibacterial activity. **2022**, 0
- 155 Bacteria ( E. coli ) take up ultrasmall gold nanoparticles (2 nm) as shown by different optical microscopic techniques (CLSM, SIM, STORM). 2
- 154 Synthesis and Antibacterial Activity of Manganese-Ferrite/Silver Nanocomposite Combined with Two Essential Oils. **2022**, 12, 2137 0
- 153 Synergism between metallic nanoparticles and antibiotics. **2022**, 106, 3973-3984 1

- 152 Andrographolide stabilized-silver nanoparticles overcome ceftazidime-resistant *Burkholderia pseudomallei*: study of antimicrobial activity and mode of action. **2022**, 12, 1
- 151 Synthesis, characterization, and anti-cancer potential study of Ag-MgO nanocomposite. **2022**, 142, 109671
- 150 Metallic nanomaterials for the diagnosis and treatment of infectious diseases. **2022**, 289-317
- 149 Combating biofilm of ESKAPE pathogens from ancient plant-based therapy to modern nanotechnological combinations. **2022**, 59-94 0
- 148 Biogenic metal nanomaterials to combat antimicrobial resistance. **2022**, 261-304 0
- 147 Nano-targeted drug delivery approaches for bacterial infections. **2022**, 139-178 1
- 146 Synthesis of Antibacterial Hybrid Hydroxyapatite/Collagen/Polysaccharide Bioactive Membranes and Their Effect on Osteoblast Culture. **2022**, 23, 7277 1
- 145 Size and Zeta Potential Clicked Germination Attenuation and Anti-Sporangiospores Activity of PEI-Functionalized Silver Nanoparticles against COVID-19 Associated Mucorales (*Rhizopus arrhizus*). **2022**, 12, 2235 2
- 144 Evaluation of *Scrophularia striata* Hydroalcoholic Extract's Hematomodulatory Effects: An Approach to Traditional Ethnomedicine. **2022**, 11,
- 143 Control of biofilm-producing *Pseudomonas aeruginosa* isolated from dairy farm using Virokill silver nano-based disinfectant as an alternative approach. **2022**, 12, 1
- 142 Effect of Biosynthesized Silver Nanoparticles on Bacterial Biofilm Changes in *S. aureus* and *E. coli*. **2022**, 12, 2183 1
- 141 *Brucella* species-induced brucellosis: Antimicrobial effects, potential resistance and toxicity of silver and gold nanosized particles. **2022**, 17, e0269963 2
- 140 Green synthesis of silver nanoparticles using *Cinnamomum tamala* (Tejpata) leaf and their potential application to control multidrug resistant *Pseudomonas aeruginosa* isolated from hospital drainage water. **2022**, 8, e09920 0
- 139 Functionalization of Se-Te Nanorods with Au Nanoparticles for Enhanced Anti-Bacterial and Anti-Cancer Activities. **2022**, 15, 4813
- 138 *Helicobacter Pylori*-Induced Gastric Infections: From Pathogenesis to Novel Therapeutic Approaches Using Silver Nanoparticles. **2022**, 14, 1463 0
- 137 Synthesis and Potential of Bio Fabricated Silver Nanoparticles for Use as Functional Material Against Foodborne Pathogens.
- 136 Green Synthesis and Characterization of Silver Nanoparticles with High Antibacterial Activity Using Cell Extracts of *Cyanobacterium Pseudanabaena/Limnothrix* sp. **2022**, 12, 2296 0
- 135 On the equipment design of a spinning disk reactor for the production of novel nano silver in amorphous zeolite particles. **2022**, 449, 137864 0

134	Green synthesis of activated carbon/Fe <sub>3</sub> O <sub>4</sub> nanocomposite from flaxseed and its application as adsorbent and antibacterial agent.	
133	Effect of augmentin-coated silver nanoparticles on biological and mechanical properties of orthodontic bracket cement. 1-12	1
132	Characterization and potential applications of silver nanoparticles: an insight on different mechanisms. <b>2022</b> , 9, 20229402	
131	Various Coated Barrier Membranes for Better Guided Bone Regeneration: A Review. <b>2022</b> , 12, 1059	0
130	New views on the ingenious applications of Ag nanoparticles as a sensor for antibiotic detection and as a potent antimicrobial agent. <b>2021</b> , 31, 1-9	0
129	Nanomaterial integrated 3D printing for biomedical applications.	2
128	Dissolvable wound dressing loaded with silver nanoparticles together with ampicillin and ciprofloxacin. <b>2022</b> , 13, 295-311	1
127	Synthesis of Pyrazolone Derivatives by Grinding, Microwave, and Conventional Techniques and Their Antimicrobial Activity. <b>2022</b> , 58, 891-904	0
126	Nanoparticle Fraught Liposomes: A Platform for Increased Antibiotic Selectivity in Multidrug Resistant Bacteria.	0
125	Role of Nanotechnology in Fortifying Nutraceuticals. <b>2022</b> , 25-60	
124	In vivo study of beta-glucan-based biogenic synthesis of silver nanocomposite using Schizophyllum commune for wound dressings in a rat burn model. <b>2022</b> , 13, 035001	
123	A Promising Antifungal and Antiamoebic Effect of Silver Nanorings, a Novel Type of AgNP. <b>2022</b> , 11, 1054	1
122	Effectiveness of Silver Nanoparticles Deposited in Facemask Material for Neutralising Viruses. <b>2022</b> , 12, 2662	0
121	Nanocarriers for effective delivery: modulation of innate immunity for the management of infections and the associated complications. <b>2022</b> , 20,	0
120	Artificial neural network for cytocompatibility and antibacterial enhancement induced by femtosecond laser micro/nano structures. <b>2022</b> , 20,	2
119	Disinfection and Photocatalytic Degradation of Organic Contaminants Using Visible Light-Activated GCN/Ag <sub>2</sub> CrO <sub>4</sub> Nanocomposites. <b>2022</b> , 12, 943	0
118	Comparison of corrosion, tribocorrosion and antibacterial properties of silver coatings on Ti15Mo by magnetron sputtering.	
117	BODIPY-Based Nanomaterials Sensing and Biomedical Applications. <b>2022</b> , 12, 7815	3

116	Functional Principal of Nanotechnology in Clinical Research. <b>2022</b> , 33-73	
115	Structural characterization and antibacterial activity of silver nanoparticles synthesized using a low-molecular-weight Royal Jelly extract. <b>2022</b> , 12,	2
114	Synthesis of Silver Nanocomposite Based on Carboxymethyl Cellulose: Antibacterial, Antifungal and Anticancer Activities. <b>2022</b> , 14, 3352	4
113	Surface Bio-Functionalization of Anti-Bacterial Titanium Implants: A Review. <b>2022</b> , 12, 1125	0
112	Nanobionics: From plant empowering to the infectious disease treatment. <b>2022</b> , 349, 890-901	0
111	Biogenic silver nanoparticles (AgNp-Bio) restore testosterone levels and increase TNF- $\alpha$ and IL-6 in Leydig cells infected with <i>Toxoplasma gondii</i> . <b>2022</b> , 241, 108343	0
110	Antibacterial Activity of Metallic Nanoparticles against Multidrug-Resistant Pathogens Isolated from Environmental Samples: Nanoparticles/Antibiotic Combination Therapy and Cytotoxicity Study.	0
109	Mutagenesis and Resistance Development of Bacteria Challenged by Silver Nanoparticles.	0
108	Improved antibacterial activity by incorporation of silver sulfadiazine on Nanoporous Cu-BTC Metal-organic-framework. <b>2022</b> , 543, 121182	0
107	Nanozyme-based pollutant sensing and environmental treatment: Trends, challenges, and perspectives. <b>2023</b> , 854, 158771	0
106	Biofouling detection and nano-enabled mitigation techniques for membranes used in wastewater treatment. <b>2022</b> , 39-69	0
105	Applications of nanotechnology in pharmaceutical products. <b>2022</b> , 119-156	1
104	THP-1 Cells Line Cytotoxicity, Antileishmanial Activity, Brine Shrimp Lethality and Characterization of Silver Nanoparticles Synthesized Using <i>Anchusa arvensis</i> Aqueous Extract. <b>2022</b> , 18, 1434-1442	0
103	Effect of Nano-Silver Ions Pumps on Antimicrobial Activity of Ag-Nps Incorporated Polymer-Based Food Packings. <b>2022</b> ,	0
102	Cytotoxicity and Promising Anti-Biofilm of Curcuma Silver Nanoparticles against <i>Candida albicans</i> . <b>2022</b> , 3355-3359	0
101	An antibacterial porous calcium phosphate bilayer functional coatings on titanium dental implants. <b>2022</b> ,	0
100	Silver Nanoparticles Functionalized Nanosilica Grown over Graphene Oxide for Enhancing Antibacterial Effect. <b>2022</b> , 12, 3341	1
99	Composite Coatings of Chitosan and Silver Nanoparticles Obtained by Galvanic Deposition for Orthopedic Implants. <b>2022</b> , 14, 3915	0

98	Green Synthesis and Applications of Silver Nanoparticles: A Systematic Review. 247234442211198	2
97	SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF COLLOIDAL SOLUTIONS OF BICOMPONENT Ag/CuO NANOPARTICLES STABILIZED BY RAMNOLIPID. <b>2022</b> , 2022, 159-168	0
96	Inhibitory Effect against <i>Listeria monocytogenes</i> of Carbon Nanoparticles Loaded with Copper as Precursors of Food Active Packaging. <b>2022</b> , 11, 2941	1
95	Efficacy of <i>Sterculia diversifolia</i> Leaf Extracts: Volatile Compounds, Antioxidant and Anti-Inflammatory Activity, and Green Synthesis of Potential Antibacterial Silver Nanoparticles. <b>2022</b> , 11, 2492	0
94	Silver Nanoparticle-Based Combinations with Antimicrobial Agents against Antimicrobial-Resistant Clinical Isolates. <b>2022</b> , 11, 1219	2
93	Co-delivery of Doxycycline, Florfenicol and Silver Nanoparticles using Alginate/Chitosan Nanocarriers. <b>2022</b> , 7,	0
92	Mechanism Study of Green Synthesis and Antibacterial Attribute of &lt;i>Polyalthia longifolia&/i>; Based Gold Nanoparticles. 75, 1-16	0
91	Sono-Enzymatically Embedded Antibacterial Silver-Lignin Nanoparticles on Cork Filter Material for Water Disinfection. <b>2022</b> , 23, 11679	0
90	Biogenic Synthesis of Copper oxide and Zinc oxide Nanoparticles using <i>Catharanthus roseus</i> L. flower extract and Evaluation of Its Antioxidant and Antibacterial Properties. <b>2022</b> , 38, 1320-1327	0
89	Polymerized Tannic Acid Offers a Nanosized Platform to Combat Bacterial Infection.	0
88	Antimicrobial Biomaterials for the Healing of Infected Bone Tissue: A Systematic Review of Microtomographic Data on Experimental Animal Models. <b>2022</b> , 13, 193	1
87	Rapid Detection of Amitriptyline in Dried Blood and Dried Saliva Samples with Surface-Enhanced Raman Spectroscopy. <b>2022</b> , 22, 8257	1
86	<i>Streptomyces rochei</i> MS-37 as a Novel Marine Actinobacterium for Green Biosynthesis of Silver Nanoparticles and Their Biomedical Applications. <b>2022</b> , 27, 7296	2
85	Antifungal Effect of Nanoparticles against COVID-19 Linked Black Fungus: A Perspective on Biomedical Applications. <b>2022</b> , 23, 12526	0
84	<i>Streptomyces thinghirensis</i> sp. nov. as a promising path for green synthesis of silver nanoparticles: High eradication of multidrug-resistant bacteria and catalytic activity. <b>2022</b> , 108889	0
83	Antimicrobial Activity of Silver and Gold Nanoparticles Prepared by Photoreduction Process with Leaves and Fruit Extracts of <i>Plinia cauliflora</i> and <i>Punica granatum</i> . <b>2022</b> , 27, 6860	0
82	Cellulose-g-poly(2-(dimethylamino)ethylmethacrylate) Hydrogels: Synthesis, Characterization, Antibacterial Testing and Polymer Electrolyte Application. <b>2022</b> , 8, 636	1
81	Monitoring the effect of active packaging films with silver-kaolinite using different packaging systems on the quality of beef meat. <b>2022</b> , 8, e11019	0

- 80 An eco-friendly process for the elaboration of poly(ethylene terephthalate) surfaces grafted with biobased network embedding silver nanoparticles with multiple antibacterial modes. **2022**, 181, 111638 ○
- 79 Naringenin attenuates inflammation, apoptosis, and ferroptosis in silver nanoparticle-induced lung injury through a mechanism associated with Nrf2/HO-1 axis: In vitro and in vivo studies. **2022**, 311, 121127 ○
- 78 Surface engineered metal-organic frameworks as active targeting nanomedicines for mono- and multi-therapy. **2022**, 29, 101646 1
- 77 Synthesis of metal nanoparticles using lichens and their biological applications. **2023**, 163-203 ○
- 76 Modelling and simulation study of the influence of size and surface functionality on the stability of PEG-functionalised AgNPs. 1-11 ○
- 75 Antimicrobial and antibiofilm activity of silver nanoparticles against *Salmonella* Enteritidis. ○
- 74 Nanomaterials; Potential Antibacterial Agents. **2023**, 125-139 ○
- 73 Characterization of silver nanoparticles loaded chitosan/polyvinyl alcohol antibacterial films for food packaging. **2022**, 108305 ○
- 72 Zinc-modified phosphate-based glass micro-filler improves *Candida albicans* resistance of auto-polymerized acrylic resin without altering mechanical performance. **2022**, 12, ○
- 71 An alternative approach for controlling bacterial pathogens in liquid and solid poultry waste using Calcium hypochlorite  $\text{Ca}(\text{OCl})_2$  disinfectant-based silver nanoparticles. **2022**, 12, ○
- 70 Evidence of charge donation through synergistic effect of bioconjugated silver nanoparticles with flavanols accomplishing augmented antimicrobial and antioxidant activities. **2022**, 120754 ○
- 69 Characteristics of tin oxide nanoparticles produced by pulsed laser ablation technique in various concentrations of chitosan liquid and their potential application as an antibacterial agent. **2022**, 16, 100742 ○
- 68 Wet Chemical Synthesis and Characterization of Au Coatings on Meso- and Macroporous Si for Molecular Analysis by SERS Spectroscopy. **2022**, 12, 1656 1
- 67 The Antibacterial Activities of Copper Oxide Nanoparticles Synthesized Using Laser Ablation in Different Surfactants against *Streptococcus mutans*. **2022**, 10, 1-15 ○
- 66 Potential nano bacteriostatic agents to be used in meat-based foods processing and storage: A critical review. **2023**, 131, 77-90 ○
- 65 Biosynthesis of Silver Nanoparticles Using Seasonal Samples of Sonoran Desert Propolis: Evaluation of Its Antibacterial Activity against Clinical Isolates of Multi-Drug Resistant Bacteria. **2022**, 14, 1853 ○
- 64 Development of Ag-ZnO/AgO Nanocomposites Effectives for *Leishmania braziliensis* Treatment. **2022**, 14, 2642 ○
- 63 High performance antibiofouling hollow fiber polyethersulfone nanocomposite membranes incorporated with novel surface-modified silver nanoparticles suitable for membrane bioreactor application. **2022**, ○



- 62 Green Synthesis of Platinum Nanoparticles for Biomedical Applications. **2022**, 13, 260 1
- 61 Functional silver nanoparticles synthesis from sustainable point of view: 2000 to 2023 - A review on game changing materials. **2022**, 8, e12322 1
- 60 Coordination of Noble Metals in Poly(vinyl mercaptoethanol) Particles Prepared by Precipitation/Emulsion Polymerization. 2200379 0
- 59 Nanomaterials and nanomaterials-based drug delivery to promote cutaneous wound healing. **2022**, 114670 1
- 58 Antibacterial Activity of silver nanoparticles functionalized with amikacin applied against multidrug-resistant *Acinetobacter baumannii*. **2022**, 0
- 57 Silk Fibroin Biomaterials and Their Beneficial Role in Skin Wound Healing. **2022**, 12, 1852 0
- 56 Interaction of BSA with graphene oxide: Influence on the bioactivity of graphene oxide. **2022**, 109629 0
- 55 Electric Spark Deposition of Antibacterial Silver Coating on Microstructured Titanium Surfaces with a Novel Flexible Brush Electrode. **2022**, 7, 47108-47119 0
- 54 Isolation of biofilm formers from aquaculture and study, the effect of antibiofilm activity of chitosan mediated silver nanoparticle. **2022**, 0
- 53 Emerging Techniques to Develop Biotic Stress Resistance in Fruits and Vegetables. **2023**, 269-296 0
- 52 Enhanced Antibacterial Effect on Zirconia Implant Abutment by Silver Linear-Beam Ion Implantation. **2023**, 14, 46 0
- 51 Synthesis, Characterization, and Antibacterial Activity of Biocompatible Aluminium Complexes with N-(2-Hydroxy-5-methyl benzyl)phenylalanine. **2023**, 2023, 1-10 0
- 50 Plant and Microbial Approaches as Green Methods for the Synthesis of Nanomaterials: Synthesis, Applications, and Future Perspectives. **2023**, 28, 463 0
- 49 Therapeutic Strategies against Biofilm Infections. **2023**, 13, 172 1
- 48 Prospects of coupled iron-based nanostructures in preclinical antibacterial therapy. **2023**, 193, 114672 0
- 47 Designing sustainable membrane-based water treatment via fouling control through membrane interface engineering and process developments. **2023**, 312, 102834 0
- 46 CYTOLOGICAL CHARACTERISTICS OF EXPERIMENTAL PURULENT NON-HEALING WOUNDS IN THE TREATMENT OF SILVER NANOPARTICLES. **2022**, 19-23 0
- 45 Analysis of the antimicrobial potential of sericin-coated silver nanoparticles against human pathogens. 0

- 44 Silver nanoparticles enhance the efficacy of aminoglycosides against antibiotic-resistant bacteria. 13, ○
- 43 Silver and gold nanoparticles: Promising candidates as antimicrobial nanomedicines. **2023**, 329-354 ○
- 42 Activity of Colloidal Silver Solution against Microorganisms Implicated in Ocular Infections. **2023**, 13, 265 ○
- 41 A Comparative Study on Inhibition Efficacy of Solvent Extracts of *Woodfordia fruticosa* and Phyto-Synthesized Silver Nanoparticles Against Certain Bacteria. ○
- 40 Functionalization of sutures. **2023**, 19-44 ○
- 39 Synthesis, Characterization, and Evaluation of Antimicrobial Efficacy of Reduced Graphene<sub>n</sub>O<sub>n</sub>Copper Nanocomplex. **2023**, 12, 246 ○
- 38 Mesoporous Ag-functionalized magnetic activated carbon-based agro-waste for efficient removal of Pb(II), Cd(II), and microorganisms from wastewater. ○
- 37 COMPARISON OF CORROSION, TRIBOCORROSION AND ANTIBACTERIAL PROPERTIES OF SILVER COATINGS ON Ti15Mo BY MAGNETRON SPUTTERING. ○
- 36 A review on nanotechnological advancements in tomato: a model plant. 1-17 ○
- 35 Bactericidal potential of different size sericin-capped silver nanoparticles synthesized by heat, light, and sonication. 1
- 34 Low-pressure plasma treated polycarbonate and polymethyl methacrylate (PMMA) sheets with different surface patterns to change their surface properties. **2023**, 37, 102646 ○
- 33 Strontium-doped chromium oxide for RhB reduction and antibacterial activity with evidence of molecular docking analysis. 11, ○
- 32 Recent developments in antimicrobial surface coatings: Various deposition techniques with nanosized particles, their application and environmental concerns. **2023**, 135, 144-172 ○
- 31 Biosynthesis of *Bixa orellana* seed extract mediated silver nanoparticles with moderate antioxidant, antibacterial and antiproliferative activity. **2023**, 16, 104675 ○
- 30 Silver nanoparticles combat *Salmonella Typhimurium*: Suppressing intracellular infection and activating dendritic cells. **2023**, 226, 113307 ○
- 29 Biological activity of Green Nanoparticle Synthesized from *Glycyrrhiza glabra* in vitro and in vivo. **2022**, 5571-5575 ○
- 28 Antibacterial activity of metallic-core gold and silver nanoparticles against some animal pathogens. **2023**, ○
- 27 Nanoengineering Approaches to Fight Multidrug-Resistant Bacteria. **2023**, 221-248 ○

- 26 Recent Strategies to Combat Multidrug Resistance. **2023**, 1-27 ○
- 25 Synthesis, characterization and properties of nanocomposites based on poly(vinyl chloride)/carbon nanotubes/silver nanoparticles. **2023**, 46, ○
- 24 Antibacterial Carbon Dots-Based Composites. 2207385 ○
- 23 Plasma deposition of silver nanoparticles onto poly(ethylene terephthalate) surfaces for the preparation of antimicrobial materials. ○
- 22 Magnetron Sputtering ile Ti6AL4V Üzerindeki Gümüş Kaplamaların Korozyon ve Antibakteriyel Özelliklerinin Karşılaştırılması ○
- 21 Generation of Flexible Multifunctional Electronic Textile Displaying Appropriate Fastness Properties Utilizing Single-Stage Inkjet Printing onto Cotton Fabric Pre-treated with PVC. **2023**, 24, 555-573 ○
- 20 Evidence on temperature and concentration of reducing agents to control the nanoparticles growth and their microbial inhibitory efficacy. **2023**, 10, 035002 ○
- 19 Nanoscale silver enabled drinking water disinfection system. **2023**, 127-166 ○
- 18 Plant-Derived Metal Nanoparticles (PDMNPs): Synthesis, Characterization, and Oxidative Stress-Mediated Therapeutic Actions. **2023**, 3, 252-295 ○
- 17 Yeast cell templated porous hollow silica spheres for rapid hemostasis accompanied by antibacterial action. ○
- 16 Biosynthesis of silver nanoparticles using *Pseudomonas canadensis*, and its antivirulence effects against *Pseudomonas tolaasii*, mushroom brown blotch agent. **2023**, 13, ○
- 15 Comparative assessment of the biological activity of the green synthesized silver nanoparticles and aqueous leaf extract of *Perilla frutescens* (L.). ○
- 14 Recent Advances in Biogenic Silver Nanoparticles for Their Biomedical Applications. **2023**, 4, 61-94 ○
- 13 Analysis of Capped Silver Nanoparticles Combined with Imipenem against Different Susceptibility Profiles of *Klebsiella pneumoniae*. **2023**, 12, 535 ○
- 12 Vaginal Drug Delivery Systems to Control Microbe-Associated Infections. ○
- 11 Deciphering the Role of Silver Nanoemulsion as a Promising Nanofertilizer and Nanofungicide for Improved Mungbean Growth. **2022**, 69, ○
- 10 Cobalt isatin-Schiff-base derivative of MOF as a heterogeneous multifunctional bio-photocatalyst for sunlight-induced tandem air oxidation condensation process. **2023**, 13, ○
- 9 Study of Radiotherapy Properties and Antimicrobial Activity of Glyconanoparticles (GNPs) Generated from Imidazolium Salts. **2023**, 8, ○

- 8 Combined Catalysis: A Powerful Strategy for Engineering Multifunctional Sustainable Lignin-Based Materials. ○
- 7 Confined and mediated intercalation of nanoparticles in graphene oxide membrane to fine-tune desalination performance. **2023**, 465, 143005 ○
- 6 Comparative assessment of the biological activity of the green synthesized silver nanoparticles and aqueous leaf extract of *Perilla frutescens* (L.). **2023**, 13, ○
- 5 In Vitro Antibacterial Activity of Silver Nanoparticles Conjugated with Amikacin and Combined with Hyperthermia against Drug-Resistant and Biofilm-Producing Strains. ○
- 4 Nanoparticles in oral health care. **2023**, 411-436 ○
- 3 Biologically Reduced Zinc Oxide Nanosheets Using *Phyllanthus emblica* Plant Extract for Antibacterial and Dye Degradation Studies. **2023**, 2023, 1-10 ○
- 2 Development and Characterization of Methyl-Anthranilate-Loaded Silver Nanoparticles: A Phytocosmetic Sunscreen Gel for UV Protection. **2023**, 15, 1434 ○
- 1 Optimal Concentration and Duration of Endotracheal Tube Coating to Achieve Optimal Antimicrobial Efficacy and Safety Balance: An In Vitro Study. **2023**, 9, 414 ○