## Neelam Yadav

## List of Publications by Year in descending order

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Version: 2024-02-01

304743 289244 2,013 71 22 40 h-index citations g-index papers 73 73 73 1832 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Microbial biofertilizers: Bioresources and eco-friendly technologies for agricultural and environmental sustainability. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101487.	3.1	277
2	Endophytic microbes: biodiversity, plant growth-promoting mechanisms and potential applications for agricultural sustainability. Antonie Van Leeuwenhoek, 2020, 113, 1075-1107.	1.7	166
3	Agriculturally and Industrially Important Fungi: Current Developments and Potential Biotechnological Applications. Fungal Biology, 2019, , 1-64.	0.6	126
4	Biodiversity, current developments and potential biotechnological applications of phosphorus-solubilizing and -mobilizing microbes: A review. Pedosphere, 2021, 31, 43-75.	4.0	113
5	Occurrence, synthesis, toxicity and detection methods for acrylamide determination in processed foods with special reference to biosensors: A review. Trends in Food Science and Technology, 2019, 85, 211-225.	15.1	81
6	Drought-Tolerant Phosphorus-Solubilizing Microbes: Biodiversity and Biotechnological Applications for Alleviation of Drought Stress in Plants. Microorganisms for Sustainability, 2019, , 255-308.	0.7	76
7	An insight into fusion technology aiding efficient recombinant protein production for functional proteomics. Archives of Biochemistry and Biophysics, 2016, 612, 57-77.	3.0	58
8	Trichoderma: Biodiversity, Ecological Significances, and Industrial Applications. Fungal Biology, 2019, , 85-120.	0.6	58
9	Fungal Phytoremediation of Heavy Metal-Contaminated Resources: Current Scenario and Future Prospects. Fungal Biology, 2019, , 437-461.	0.6	50
10	Metabolic Engineering to Synthetic Biology of Secondary Metabolites Production., 2019,, 279-320.		46
11	Endophytic Fungi: Biodiversity, Ecological Significance, and Potential Industrial Applications. Fungal Biology, 2019, , 1-62.	0.6	46
12	Endophytic microbes in nanotechnology: Current development, and potential biotechnology applications., 2020,, 231-262.		44
13	Effect of alumina nanoparticles on dielectric permittivity, electrical conductivity, director relaxation frequency, threshold and switching voltages of a nematic liquid crystalline material. Liquid Crystals, 2014, 41, 1803-1810.	2.2	43
14	The therapeutic effect of bone marrow–derived liver cells in the phenotypic correction of murine hemophilia A. Blood, 2009, 114, 4552-4561.	1.4	41
15	Quorum sensing pathways in Gram-positive and -negative bacteria: potential of their interruption in abating drug resistance. Journal of Chemotherapy, 2019, 31, 161-187.	1.5	39
16	Potential Applications of Food Derived Bioactive Peptides in Management of Health. International Journal of Peptide Research and Therapeutics, 2016, 22, 377-398.	1.9	34
17	Cadmium selenide quantum dots for the amelioration of the properties of a room temperature discotic liquid crystalline material. RSC Advances, 2015, 5, 78823-78832.	3.6	33
18	High Quality Unigenes and Microsatellite Markers from Tissue Specific Transcriptome and Development of a Database in Clusterbean (Cyamopsis tetragonoloba, L. Taub). Genes, 2017, 8, 313.	2.4	33

#	Article	IF	CITATIONS
19	Preparation, characterization and application of haemoglobin nanoparticles for detection of acrylamide in processed foods. International Journal of Biological Macromolecules, 2018, 107, 1000-1013.	7.5	31
20	Genetic Manipulation of Secondary Metabolites Producers. , 2019, , 13-29.		31
21	Effect of Picroliv on cadmium induced testicular damage in rat. Food and Chemical Toxicology, 2008, 46, 494-501.	3.6	30
22	Phytochemical constituents and ethnopharmacological properties of <scp><i>Ageratum conyzoides</i></scp> L Phytotherapy Research, 2019, 33, 2163-2178.	5.8	29
23	Bioengineering of Secondary Metabolites. , 2019, , 55-68.		28
24	Analytical techniques for the detection of glycated haemoglobin underlining the sensors. International Journal of Biological Macromolecules, 2020, 155, 685-696.	7.5	28
25	Effect of thermal and non-thermal processing on antioxidant potential of cowpea seeds. International Journal of Food Properties, 2018, 21, 437-451.	3.0	26
26	Incorporation of liquid crystalline triphenylene derivative in bulk heterojunction solar cell with molybdenum oxide as buffer layer for improved efficiency. Liquid Crystals, 2016, 43, 928-936.	2.2	25
27	Endophytic fungi from medicinal plants: biodiversity and biotechnological applications. , 2020, , 273-305.		25
28	An amperometric H2O2 biosensor based on hemoglobin nanoparticles immobilized on to a gold electrode. Bioscience Reports, 2017, 37, .	2.4	24
29	Genetic Diversity of Methylotrophic Yeast and Their Impact on Environments. Fungal Biology, 2019, , 53-71.	0.6	24
30	Acrylamide content in starch based commercial foods by using high performance liquid chromatography and its association with browning index. Current Research in Food Science, 2022, 5, 464-470.	5.8	23
31	Factor VIII Can Be Synthesized in Hemophilia A Mice Liver by Bone Marrow Progenitor Cell-Derived Hepatocytes and Sinusoidal Endothelial Cells. Stem Cells and Development, 2012, 21, 110-120.	2.1	22
32	Strengthening of columnar hexagonal phase of a room temperature discotic liquid crystalline material by using ferroelectric barium titanate nanoparticles. Journal of Molecular Liquids, 2019, 294, 111609.	4.9	22
33	New sol–gel precursors for binary oxides of antimony, Sb2O3 (senarmonite) and α-Sb2O4: synthesis and characterization of some ketoximate modified antimony(III) alkoxides. Journal of Sol-Gel Science and Technology, 2010, 54, 119-128.	2.4	16
34	Chiral smectic- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> and smectic- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>C</mml:mi></mml:math> phases with de Vries characteristics. Physical Review E, 2017, 95, 062704.	2.1	16
35	Effect of iron oxide (Î <sup>3</sup> -Fe2O3) nanoparticles on the morphological, electro-optical and dielectric properties of a nematic liquid crystalline material. Journal of Molecular Liquids, 2020, 319, 114299.	4.9	16
36	Therapeutic efficacy of Picroliv in chronic cadmium toxicity. Food and Chemical Toxicology, 2009, 47, 871-879.	3.6	15

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#	Article	IF	CITATIONS
37	Monoorganobismuth(III) dithiocarboxylates: Synthesis, structures and their utility as molecular precursors for the preparation of Bi2S3 films and nanocrystals. Inorganica Chimica Acta, 2010, 363, 375-380.	2.4	15
38	Effects of manganese (II) titanium oxide nano particles on the physical properties of a room temperature nematic liquid crystal 4-(trans-4′-n-hexylcyclohexyl) isothiocyanatobenzene. Journal of Molecular Liquids, 2018, 268, 223-228.	4.9	14
39	Enhancement in mineral bioavailability of extruded pulses with reduced antinutrients. British Food Journal, 2019, 121, 2967-2978.	2.9	14
40	Few biomedical applications of carbon nanotubes. Methods in Enzymology, 2020, 630, 347-363.	1.0	14
41	Molecular, functional and nutritional properties of chickpea (Cicer arietinum L.) protein isolates prepared by modified solubilization methods. Journal of Food Measurement and Characterization, 2021, 15, 2352-2368.	3.2	12
42	Gene Manipulation and Regulation of Catabolic Genes for Biodegradation of Biphenyl Compounds. , 2019, , 1-23.		11
43	Efficient Reconstitution of Hepatic Microvasculature by Endothelin Receptor Antagonism in Liver Sinusoidal Endothelial Cells. Human Gene Therapy, 2019, 30, 365-377.	2.7	10
44	Synthesis, docking and preliminary in vivo evaluation of serotonin dithiocarbamate as novel SPECT neuroimaging agent. MedChemComm, 2013, 4, 1006.	3.4	9
45	Bulk heterojunction solar cells based on self-assembling disc-shaped liquid crystalline material. Liquid Crystals, 0, , 1-9.	2.2	8
46	Plant Virus Detection and Diagnosis: Progress and Challenges. , 2016, , 97-132.		8
47	Prevalence and risk factors of anemia and zinc deficiency among 4–6-year-old children of Allahabad District, Uttar Pradesh. Indian Journal of Public Health, 2019, 63, 79.	0.6	7
48	Preparation, Characterization, and Application of Enzyme Nanoparticles. Methods in Enzymology, 2018, 609, 171-196.	1.0	6
49	Effect of thermal processing on anti nutritional factors and in vitro bioavailability of minerals in desi and kabuli cultivars of chick pea grown in North India Legume Research, 2017, , .	0.1	6
50	Emerging Trends in Advanced Nanomaterials Based Electrochemical Genosensors. Current Pharmaceutical Design, 2019, 24, 3697-3709.	1.9	5
51	Electrochemical sensor method for food quality evaluation. , 2019, , 793-815.		5
52	Bulk heterojunction solar cells made from carbazole copolymer and fullerene derivative with an inserted layer of discotic material with improved efficiency. Liquid Crystals, 0, , 1-8.	2.2	4
53	Unexpected electric-field-induced antiferroelectric liquid crystal phase in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:mi><mml:msubsup><r 010701.<="" 100,="" 2019,="" and="" discrete="" e,="" effect.="" flexoelectric="" physical="" range="" review="" td="" temperature="" the=""><td>nml<b>211</b>i&gt;C&lt;</td><td>/m#nl:mi&gt;<mr< td=""></mr<></td></r></mml:msubsup></mml:mi></mml:mrow></mml:math>	nml <b>211</b> i>C<	/m#nl:mi> <mr< td=""></mr<>

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Bacterial community composition in lakes. , 2019, , 1-71.

#	Article	IF	Citations
55	Environment friendly qualitatively responsive ethyl cellulose films as smart food packaging. Materials Express, 2019, 9, 792-800.	0.5	4
56	Disruption of Protease Genes in Microbes for Production of Heterologous Proteins., 2019,, 35-75.		4
57	Synthesis and characterization of hydrothermally synthesized superparamagnetic APTS–ZnFe2O4 nanoparticles: DNA binding studies for exploring biomedical applications. Chemical Papers, 2020, 74, 1177-1188.	2.2	4
58	Plant Glycomics: Advances and Applications. , 2015, , 299-329.		4
59	Elucidation of the de Vries behavior in terms of the orientational order parameter, apparent tilt angle, and field-induced tilt angle for smectic liquid crystals by polarized infrared spectroscopy. Physical Review E, 2019, 100, 052704.	2.1	3
60	Ameliorating color value, antinutrients, phenolic content of sesame seed cake with better oil recovery by response surface methodology. Journal of Food Processing and Preservation, 2021, 45, e15850.	2.0	3
61	Unclasping potential chickpea resources for the antioxidant enzyme Superoxide Dismutase. JSFA Reports, 0, , .	0.8	3
62	Sulphur management in groundnut for higher productivity and profitability under Semi-Arid condition of Rajasthan, India. Legume Research, 2018, , .	0.1	2
63	Plant Secretomics: Unique Initiatives. , 2015, , 357-384.		2
64	Comparison of BTSE-RGD with DOTA-RGD as a potential imaging agent for tumors. RSC Advances, 2015, 5, 54439-54445.	3.6	1
65	Pan-interactomics and its applications. , 2020, , 397-435.		1
66	Growth and productivity of groundnut (Arachis hypogaea L.) under varying levels and sources of sulphur in semi-arid conditions of Rajasthan. Legume Research, 2017, , .	0.1	1
67	Chloroplast Proteins and Virus Interplay: A Pathfinder to Crop Improvement. , 2019, , 631-665.		1
68	Cloning of Salinity Tolerant Gene from a Soil-Borne Bacterium and its Characterization. Journal of Plant Biochemistry and Biotechnology, 2007, 16, 101-107.	1.7	0
69	Synthesis and characterization of thiosemicarbazone derivatives of methylbismuth(III) dichloride: generation of one dimensional micro-rods of bismuthinite from [MeBiCl2·n $\{(C6H4OH)CHNNHCSNH2\}]$ by a solvothermal process. Main Group Metal Chemistry, 2011, 34, .	1.6	0
70	99mTc labeled macrocyclic aza-oxa and aza-thia probes: synthesis, characterization and in vitro & samp; in vivo biological studies. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 83, 299-307.	1.6	0
71	Physicochemical, Functional and Biscuit Making Properties of Wheat Flour and Potato Flour Blends. Current Nutrition and Food Science, 2017, 13, .	0.6	0