

# Saurabh Gupta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1274447/publications.pdf>

Version: 2024-02-01

98  
papers

1,382  
citations

394421

19  
h-index

395702

33  
g-index

101  
all docs

101  
docs citations

101  
times ranked

1978  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secondary metabolites from spice and herbs as potential multitarget inhibitors of SARS-CoV-2 proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 2264-2283.	3.5	68
2	Sequestration of mercury and cadmium by a heavy metals' tolerant <i>Bacillus cereus</i> strain JS-3: a microbial preparedness for terrestrial and anthropogenic hazards. <i>Bioremediation Journal</i> , 2022, 26, 198-207.	2.0	3
3	The HB40-JUB1 transcriptional regulatory network controls gibberellin homeostasis in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2022, 15, 322-339.	8.3	11
4	Comparative performance of different antigens on the lateral flow assay (LFA) platform for the rapid serodiagnosis of paratuberculosis. <i>Journal of Microbiological Methods</i> , 2022, 192, 106367.	1.6	4
5	Shoot and root single cell sequencing reveals tissue- and daytime-specific transcriptome profiles. <i>Plant Physiology</i> , 2022, 188, 861-878.	4.8	27
6	Application of Bayesian modeling for diagnostic assays of <i>Mycobacterium avium</i> subsp. paratuberculosis in sheep and goats flocks. <i>BMC Veterinary Research</i> , 2022, 18, 47.	1.9	4
7	Screening and Characterization of Next-Generation Biofuels Producing Bacterial Strains. <i>Current Microbiology</i> , 2022, 79, 85.	2.2	3
8	Using Omics to Study Leprosy, Tuberculosis, and Other Mycobacterial Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 792617.	3.9	7
9	Priming with a Seaweed Extract Strongly Improves Drought Tolerance in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1469.	4.1	38
10	Bio-typing of <i>Mycobacterium avium</i> subspecies paratuberculosis isolates recovered from the Himalayan sheep and goats. <i>Tropical Animal Health and Production</i> , 2021, 53, 237.	1.4	1
11	Geochemistry and U-Pb-Lu-Hf zircon isotopes of Cu (Au ± Mo) hosted granitoids of Malanjikhand pluton, Central India: Implications on petrogenesis, source, and crustal evolution. <i>Lithos</i> , 2021, 402-403, 106153.	1.4	1
12	Oral Tissue Interactions and Cellular Response to Zirconia Implant-Prosthetic Components: A Critical Review. <i>Materials</i> , 2021, 14, 2825.	2.9	17
13	The Impact of Metabolic Signaling-Rootstock Interactions in Different Grapevine Tissues and Phloem Exudates. <i>Metabolites</i> , 2021, 11, 349.	2.9	10
14	Therapeutic management of <i>Mycobacterium avium</i> subspecies paratuberculosis infection with complete resolution of symptoms and disease in a patient with advanced inflammatory bowel syndrome. <i>Molecular Biology Reports</i> , 2021, 48, 7013-7020.	2.3	4
15	Effect of glutathione capping on the antibacterial activity of tin doped ZnO nanoparticles. <i>Physica Scripta</i> , 2021, 96, 125807.	2.5	11
16	Protracted Paleozoic-early Triassic thermal events in the Almora nappe, Kumaun Lesser Himalaya, India: Evidence from zircon U-Pb geochronology of Almora paragneiss. <i>Journal of Earth System Science</i> , 2021, 130, 1.	1.3	0
17	Development of rELISA using novel markers for the diagnosis of paratuberculosis. <i>Journal of Immunological Methods</i> , 2021, 497, 113105.	1.4	1
18	A novel seed plants gene regulates oxidative stress tolerance in <i>Arabidopsis thaliana</i> . <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 705-718.	5.4	11

#	ARTICLE	IF	CITATIONS
19	Localization of common carotid artery transverse section in B-mode ultrasound images using faster RCNN: a deep learning approach. <i>Medical and Biological Engineering and Computing</i> , 2020, 58, 471-482.	2.8	28
20	Cadaveric Bilateral Transhumeral Upper Limb Transplantation: Journey to the Next level. <i>Indian Journal of Plastic Surgery</i> , 2020, 53, 119-123.	0.5	4
21	Developmentally controlled changes during Arabidopsis leaf development indicate causes for loss of stress tolerance with age. <i>Journal of Experimental Botany</i> , 2020, 71, 6340-6354.	4.8	18
22	Prevalence of Mycobacterium avium subspecies paratuberculosis (MAP) infection in suspected diarrhoeic buffaloes and cattle reporting at Veterinary University in India. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2020, 73, 101533.	1.6	4
23	Spatial Patterns of Selenium and Profiling of Se-Tolerant Bacillus Strains in Shiwalik Foot-Hills. <i>Geomicrobiology Journal</i> , 2020, 37, 961-966.	2.0	1
24	Comparative evaluation of Mycobacterium avium subspecies paratuberculosis (MAP) recombinant secretory proteins as DTH marker for paratuberculosis. <i>Journal of Microbiological Methods</i> , 2020, 175, 105987.	1.6	0
25	Influence of titanium and zirconia modified surfaces for rapid healing on adhesion and biofilm formation of Staphylococcus epidermidis. <i>Archives of Oral Biology</i> , 2020, 117, 104824.	1.8	27
26	KVMInspector: KVM Based introspection approach to detect malware in cloud environment. <i>Journal of Information Security and Applications</i> , 2020, 51, 102460.	2.5	13
27	A Biostimulant Obtained from the Seaweed Ascophyllum nodosum Protects Arabidopsis thaliana from Severe Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 474.	4.1	62
28	Proterozoic felsic and mafic magmatism in India: Implications for crustal evolution through crust-mantle interactions. <i>Episodes</i> , 2020, 43, 203-230.	1.2	14
29	BIO-SAFETY OF MILK PRODUCTS AND Mycobacterium avium SUBSPECIES paratuberculosis AS MAJOR MICROBIAL CONTAMINANT USING MULTIPLE TESTS INCLUDING CULTURE AND SYBR GREEN REAL-TIME ASSAY. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2020, 8, 508-523.	0.4	2
30	SumNet Convolution Neural network based Automated pulmonary nodule detection system. , 2020, , .		1
31	Development and Standardization of Visual Loop Mediated Isothermal Amplification (LAMP) Essay for Specific Diagnosis of Johneâ€™s Disease. <i>Indian Journal of Animal Research</i> , 2020, , .	0.1	0
32	vProVal: Introspection based Process Validation for Detecting Malware in KVM-based Cloud Environment. , 2019, , .		3
33	Some data quality issues at ClinicalTrials.gov. <i>Trials</i> , 2019, 20, 378.	1.6	26
34	Mammalian cell entry operons; novel and major subset candidates for diagnostics with special reference to Mycobacterium avium subspecies paratuberculosis infection. <i>Veterinary Quarterly</i> , 2019, 39, 65-75.	6.7	13
35	Evaluation of newly developed six recombinant secretory proteins based cocktail ELISA and whole cell lysate based indigenous ELISA and tissue microscopy with Gold standard histo-pathology for the diagnosis of Johneâ€™s disease in slaughtered goats and buffaloes. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> . 2019. 66. 101338.	1.6	3
36	Genome-Wide Analysis of ROS Antioxidant Genes in Resurrection Species Suggest an Involvement of Distinct ROS Detoxification Systems during Desiccation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3101.	4.1	34

#	ARTICLE	IF	CITATIONS
37	Deciphering the transcriptomic insight during organogenesis in Castor ( <i>Ricinus communis</i> L.), <i>Jatropha</i> ( <i>Jatropha curcas</i> L.) and Sunflower ( <i>Helianthus annuus</i> L.). <i>3 Biotech</i> , 2019, 9, 434.	2.2	1
38	Vaccine approaches for the 'therapeutic management' of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in domestic livestock. <i>Veterinary Quarterly</i> , 2019, 39, 143-152.	6.7	14
39	First report of <i>Cryptosporidium</i> sp. infection in sheep population of Ladakh, India. <i>Journal of Parasitic Diseases</i> , 2019, 43, 513-516.	1.0	6
40	Morphology and Chemistry of Zircons from the Paleoproterozoic Cu (±Mo±Au) Hosting Granitoids of Malanjkhand Mine Area, Central India. <i>Journal of the Geological Society of India</i> , 2019, 93, 257-262.	1.1	2
41	Profiling of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> in the milk of lactating goats using antigen-antibody based assays. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 64, 53-60.	1.6	3
42	A Rare Pattern of Median Nerve Branching in the Hand. <i>Indian Journal of Plastic Surgery</i> , 2019, 52, 258-259.	0.5	0
43	Innovative application of drone in monitoring the ICU patients avoiding personal visits. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2019, 12, 149.	0.3	2
44	Human skin allograft: Is it a viable option in management of burn patients?. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2019, 12, 132.	0.3	13
45	The role of comorbidity in the prognosis of thermal burns. <i>Indian Journal of Burns</i> , 2019, 27, 16.	0.2	0
46	Fly Ash Incorporated Slurry and Fixed Bed Approach for Heterogeneous Solar Photo-Fenton Degradation of Isoproturon. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1901-1907.	2.3	3
47	"Nano-immuno test"™ for the detection of live <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> bacilli in the milk samples using magnetic nano-particles and chromogen. <i>Veterinary Research Communications</i> , 2018, 42, 183-194.	1.6	8
48	Molecular Mechanisms Preventing Senescence in Response to Prolonged Darkness in a Desiccation-Tolerant Plant. <i>Plant Physiology</i> , 2018, 177, 1319-1338.	4.8	26
49	Innovative skin hook. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2018, 11, 148.	0.3	0
50	Innovative use of abdominoplasty specimen. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2018, 11, 88.	0.3	2
51	Pseudo-time Ensemble Kalman Filtering for Ultrasound Modulated Optical Tomography. , 2018, , .		0
52	Role of newer technologies in wound bed preparation in Fournier's gangrene. <i>Plastic and Aesthetic Research</i> , 2018, 5, 20.	0.4	0
53	Low level laser as an adjunct therapy for second degree superficial burns. <i>Plastic and Aesthetic Research</i> , 2018, 5, 41.	0.4	1
54	Role of Genetically Modified Microorganisms in Heavy Metal Bioremediation. , 2017, , 197-214.		17

#	ARTICLE	IF	CITATIONS
55	Assessment of Ovine Johneâ€™s disease in the Mandya sheep breed in South India using multiple diagnostic tests and bio-typing of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection. Cogent Food and Agriculture, 2017, 3, 1298391.	1.4	1
56	<i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> an important food borne pathogen of high public health significance with special reference to India: an update. Veterinary Quarterly, 2017, 37, 282-299.	6.7	36
57	The Consensus from the Mycobacterium avium ssp. paratuberculosis (MAP) Conference 2017. Frontiers in Public Health, 2017, 5, 208.	2.7	90
58	Prevalence of Canine Babesiosis in Different Breeds of Dogs in and Around Bengaluru. Advances in Animal and Veterinary Sciences, 2017, 5, 140-144.	0.2	10
59	Current Scenario and Future Perspectives of CPV-2 Vaccines in India. Advances in Animal and Veterinary Sciences, 2017, 5, .	0.2	1
60	Therapeutic Management of Incurable Paratuberculosis Using Indigenous Vaccine in Goatherds, Endemically Infected with Johneâ€™s Disease. International Journal of Pharmacology, 2017, 13, 145-155.	0.3	3
61	Accelerated Particle Filtering with quasi-Newton steps for Diffuse Optical Tomography. , 2017, , .		0
62	Concurrent Resolution of Chronic Diarrhea Likely Due to Crohnâ€™s Disease and Infection with Mycobacterium avium paratuberculosis. Frontiers in Medicine, 2016, 3, 49.	2.6	29
63	Investigations on the degradation of an antibiotic Cephalexin using suspended and supported TiO <sub>2</sub> : Mineralization and durability studies. Canadian Journal of Chemical Engineering, 2016, 94, 1269-1276.	1.7	31
64	Trends and advances in the diagnosis and control of paratuberculosis in domestic livestock. Veterinary Quarterly, 2016, 36, 203-227.	6.7	34
65	Assessment of solar photocatalytic degradation and mineralization of amoxicillin trihydrate (AMT) using slurry and fixed-bed batch reactor: efficacy of parabolic trough collector. RSC Advances, 2016, 6, 36109-36117.	3.6	13
66	Bio-Contamination Estimates of Mycobacterium Avium Subspecies Paratuberculosis in Fresh Cottage Cheese (Paneer) Sold in Rural, Semi-Urban and Peri-Urban Regions of South Uttar Pradesh using Multiple Diagnostic Tests. Advances in Animal and Veterinary Sciences, 2016, 4, 441-448.	0.2	5
67	Pseudo-time Particle Filtering with quasi-Newton steps for Diffuse Optical Tomography. , 2016, , .		0
68	Comparative Evaluation of Lateral Flow Assay and PCR for Detection of Canine Parvovirus. Advances in Animal and Veterinary Sciences, 2016, 4, 580-583.	0.2	1
69	Comparative Evaluation of Different Test Combinations for Diagnosis of Mycobacterium avium Subspecies paratuberculosis Infecting Dairy Herds in India. BioMed Research International, 2015, 2015, 1-6.	1.9	16
70	Integrative Analysis of Normal Long Intergenic Non-Coding RNAs in Prostate Cancer. PLoS ONE, 2015, 10, e0122143.	2.5	38
71	Plants as Future Source of Anti-Mycobacterial Molecules and Armour for Fighting Drug Resistance. Asian Journal of Animal and Veterinary Advances, 2015, 10, 443-460.	0.0	7
72	Diagnostic Potential of Three Antigens from Geographically Different Regions of the World for the Diagnosis of Ovine Johneâ€™s Disease in India. Asian Journal of Animal and Veterinary Advances, 2015, 10, 567-576.	0.0	3

#	ARTICLE	IF	CITATIONS
73	Chemical and Ultrastructural Characteristics of Mycobacterial Biofilms. Asian Journal of Animal and Veterinary Advances, 2015, 10, 592-622.	0.0	3
74	Development of New Indigenously Developed Dot-ELISA Kit™ as Sensitive Field Based Herd Screening Test for the Diagnosis of Johne's Disease in the Domestic Buffalo Population. Asian Journal of Animal and Veterinary Advances, 2015, 11, 44-52.	0.0	4
75	A Comparative Analysis of Invasive and Non-Invasive Method of Bone Marrow Stromal Cell Isolation. Asian Journal of Animal and Veterinary Advances, 2015, 10, 549-555.	0.0	1
76	Do I Matter?. Journal of Organizational and End User Computing, 2014, 26, 60-79.	2.9	6
77	Choosing Web 2.0 Tools for Instruction. International Journal of Information and Communication Technology Education, 2014, 10, 25-35.	1.0	5
78	The Draft Genome and Transcriptome of <i>Amaranthus hypochondriacus</i> : A C4 Dicot Producing High-Lysine Edible Pseudo-Cereal. DNA Research, 2014, 21, 585-602.	3.4	52
79	MUSIC: A hybrid computing environment for burrows-wheeler alignment for massive amount of short read sequence data. , 2014, , .		1
80	Slnc: an accurate and fast error-model based simulator for SNPs, Indels and CNVs coupled with a read generator for short-read sequence data. BMC Bioinformatics, 2014, 15, 40.	2.6	58
81	Biosequestration of lead using <i>Bacillus</i> strains isolated from seleniferous soils and sediments of Punjab. Environmental Science and Pollution Research, 2014, 21, 10186-10193.	5.3	11
82	Johne's Disease (JD) in a High Yielding Holstein Friesian Cattle Dairy Farm in India. Journal of Biological Sciences, 2014, 14, 195-203.	0.3	3
83	First Mass Screening of the Human Population to Estimate the Bio-load of <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> in North India. Journal of Biological Sciences, 2014, 14, 237-247.	0.3	16
84	Biosynthesis of extracellular and intracellular gold nanoparticles by <i>Aspergillus fumigatus</i> and <i>A. flavus</i> . Antonie Van Leeuwenhoek, 2013, 103, 1113-1123.	1.7	51
85	Genome Sequence of the Indian Bison Type Biotype of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Strain S5. Genome Announcements, 2013, 1, .	0.8	9
86	Pathologist Workforce in the United States: I. Development of a Predictive Model to Examine Factors Influencing Supply. Archives of Pathology and Laboratory Medicine, 2013, 137, 1723-1732.	2.5	175
87	Impact of Host Genetics on Susceptibility and Resistance to <i>Mycobacterium avium</i> Subspecies <i>Paratuberculosis</i> Infection in Domestic Ruminants. Pakistan Journal of Biological Sciences, 2013, 16, 251-266.	0.5	13
88	A pseudo-time EnKF incorporating shape based reconstruction for diffuse optical tomography. Medical Physics, 2012, 39, 1092-1101.	3.0	5
89	Screening and characterization of potential cadmium biosorbent <i>Alcaligenes</i> strain from industrial effluent. Journal of Basic Microbiology, 2012, 52, 160-166.	3.3	13
90	Biosequestration, Transformation, and Volatilization of Mercury by <i>Lysinibacillus fusiformis</i> Isolated from Industrial Effluent. Journal of Microbiology and Biotechnology, 2012, 22, 684-689.	2.1	23

#	ARTICLE	IF	CITATIONS
91	Pseudo-time particle filtering for diffuse optical tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 2070.	1.5	5
92	Biosynthesis and characterization of Au@nanostructures by metal tolerant fungi. Journal of Basic Microbiology, 2011, 51, 601-606.	3.3	3
93	Selenium Mobilization by <i>Pseudomonas aeruginosa</i> (SNT-SG1) Isolated from Seleniferous Soils from India. Geomicrobiology Journal, 2010, 27, 35-42.	2.0	11
94	Singular value decomposition based computationally efficient algorithm for rapid dynamic near-infrared diffuse optical tomography. Medical Physics, 2009, 36, 5559-5567.	3.0	16
95	Detailed online quizzes: facilitating holistic, integrated learning experience in operations management. International Journal of Information and Operations Management Education, 2009, 3, 68.	0.2	2
96	Genotoxic effect of fruit extract of wild and cultivated cucurbits using <i>Allium cepa</i> assay. International Journal of Vegetable Science, 0, , 1-13.	1.3	1
97	Autologous platelet rich plasma - an adjunct to early tangential excision and grafting in burns. Plastic and Aesthetic Research, 0, 2018, .	0.4	0
98	Innovative cervical splint: overcoming an obstacle. Plastic and Aesthetic Research, 0, 2018, .	0.4	0