

# Anil K Sharma

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116 papers	3,055 citations	28 h-index	52 g-index
135 ext. papers	3,860 ext. citations	3.9 avg, IF	5.7 L-index

#	Paper	IF	Citations
116	Current paradigms in epigenetic anticancer therapeutics and future challenges. <i>Seminars in Cancer Biology</i> , <b>2021</b> ,	12.7	8
115	Managing Problematic Aquatic Macrophytes through Vermitechnology- Composting and Pelleting. <i>Waste and Biomass Valorization</i> , <b>2021</b> , 12, 5561-5571	3.2	1
114	Multi-drug resistant (MDR), extended spectrum beta-lactamase (ESBL) producing and carbapenem resistant <i>Escherichia coli</i> in rescued Sloth bears ( <i>Melursus ursinus</i> ), India. <i>Veterinary Research Communications</i> , <b>2021</b> , 45, 163-170	2.9	0
113	A comparative molecular dynamic simulation study on potent ligands targeting mTOR/FRB domain for breast cancer therapy. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	1
112	Probiotics in microbiome ecological balance providing a therapeutic window against cancer. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 70, 24-36	12.7	19
111	Microbiome dysbiosis in cancer: Exploring therapeutic strategies to counter the disease. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 70, 61-70	12.7	12
110	Utilization of macro-nutrients and minerals in captive greater one-horned rhinoceros fed season-specific diets. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2021</b> , 105, 406-417	2.6	
109	Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 73, 196-218	12.7	15
108	Probiotics and Prebiotics Having Broad Spectrum Anticancer Therapeutic Potential: Recent Trends and Future Perspectives. <i>Current Pharmacology Reports</i> , <b>2021</b> , 7, 67-79	5.5	4
107	Multifaceted antiviral therapeutic potential of dietary flavonoids: Emerging trends and future perspectives. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	2
106	Experimental pathology of two highly pathogenic H5N1 viruses isolated from crows in BALB/c mice. <i>Microbial Pathogenesis</i> , <b>2020</b> , 141, 103984	3.8	3
105	Role of alpha-melanocyte stimulating hormone (αMSH) in modulating the molecular mechanism adopted by melanocytes of <i>Bos indicus</i> under UVR stress. <i>Molecular and Cellular Biochemistry</i> , <b>2020</b> , 465, 141-153	4.2	2
104	Melamine contamination and associated health risks: Gut microbiota does make a difference. <i>Biotechnology and Applied Biochemistry</i> , <b>2020</b> ,	2.8	3
103	Genetic characterization and phylogenetic analysis of <i>Sarcocystis suis</i> hominis infecting domestic pigs ( <i>Sus scrofa</i> ) in India. <i>Parasitology Research</i> , <b>2020</b> , 119, 3347-3357	2.4	4
102	Recent nanotechnological interventions targeting PI3K/Akt/mTOR pathway: A focus on breast cancer. <i>Seminars in Cancer Biology</i> , <b>2019</b> , 59, 133-146	12.7	26
101	Probing into Therapeutic Anti-cancer Potential of Apigenin: Recent Trends and Future Directions. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , <b>2019</b> , 13, 124-133	5.4	16
100	Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	82

99	Tumor selective uptake of drug-nanodiamond complexes improves therapeutic outcome in pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 18, 112-121	6	22
98	Phases of Metabolic and Soft Tissue Changes in Months Preceding a Diagnosis of Pancreatic Ductal Adenocarcinoma. <i>Gastroenterology</i> , <b>2019</b> , 156, 1742-1752	13.3	39
97	Bioactive metabolites of <i>Ganoderma lucidum</i> : Factors, mechanism and broad spectrum therapeutic potential. <i>Journal of Herbal Medicine</i> , <b>2019</b> , 17-18, 100268	2.3	23
96	Partial replacement of dietary buffalo meat on the bone with chicken carcass improves serum antioxidant profile of zoo-housed Indian leopards ( <i>Panthera pardus fusca</i> ). <i>Zoo Biology</i> , <b>2019</b> , 38, 292-304 <sup>6</sup>	1.6	1
95	Advanced Glycation End Products (AGEs), Glutathione and Breast Cancer: Factors, Mechanism and Therapeutic Interventions. <i>Current Drug Metabolism</i> , <b>2019</b> , 20, 65-71	3.5	16
94	Molecular Mechanisms of Action of Genistein in Cancer: Recent Advances. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1336	5.6	116
93	Salt stress and mungbean [ <i>Vigna radiata</i> (L.) Wilczek]: effects, physiological perspective and management practices for alleviating salinity. <i>Archives of Agronomy and Soil Science</i> , <b>2019</b> , 65, 1287-1301 <sup>2</sup>	1	12
92	Cancer molecular markers: A guide to cancer detection and management. <i>Seminars in Cancer Biology</i> , <b>2018</b> , 52, 39-55	12.7	19
91	Natural bacterial cell-free extracts with powerful nematocidal activity on root-knot nematode. <i>Rhizosphere</i> , <b>2018</b> , 5, 67-70	3.5	1
90	Understanding the microbiome: Emerging biomarkers for exploiting the microbiota for personalized medicine against cancer. <i>Seminars in Cancer Biology</i> , <b>2018</b> , 52, 1-8	12.7	58
89	Therapeutic charm of quercetin and its derivatives: a review of research and patents. <i>Pharmaceutical Patent Analyst</i> , <b>2018</b> , 7, 15-32	0.6	58
88	Optimization of extraction protocol of <i>Parmelia perlata</i> and its validation for protective effects against oxalate-induced renal injury in NRK-52E cells. <i>Journal of Herbal Medicine</i> , <b>2018</b> , 12, 79-87	2.3	1
87	Double Edge Sword Behavior of Carbendazim: A Potent Fungicide With Anticancer Therapeutic Properties. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 38-45	2.2	10
86	Biocontrol Efficacy of Siderophore Producing Indigenous <i>Pseudomonas</i> Strains Against Fusarium Wilt in Tomato. <i>The National Academy of Sciences, India</i> , <b>2018</b> , 41, 133-136	0.6	12
85	NARINGINASE: MICROBIAL SOURCES, PRODUCTION AND APPLICATIONS IN FOOD PROCESSING INDUSTRY. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , <b>2018</b> , 8, 717-720	2.3	7
84	Morphological diagnosis of Johne's disease: a case report in cattle. <i>Turkish Journal of Veterinary and Animal Sciences</i> , <b>2018</b> , 42, 672-675	0.6	
83	Multiplexed Autoantibody Signature for Serological Detection of Canine Mammary Tumours. <i>Scientific Reports</i> , <b>2018</b> , 8, 15785	4.9	9
82	Gene expression profiling of spontaneously occurring canine mammary tumours: Insight into gene networks and pathways linked to cancer pathogenesis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208656	3.7	11

81	Probing Gallic Acid for Its Broad Spectrum Applications. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2018</b> , 18, 1283-1293	3.2	49
80	Physiological and biochemical changes in tomato cultivar PT-3 with dual inoculation of mycorrhiza and PGPR against root-knot nematode. <i>Symbiosis</i> , <b>2017</b> , 71, 175-183	3	53
79	Melamine binding with arachidonic acid binding sites of albumin is a potential mechanism for melamine-induced inflammation. <i>Biotechnology and Applied Biochemistry</i> , <b>2017</b> , 64, 490-495	2.8	2
78	Effective control of root-knot nematode disease with <i>Pseudomonad</i> rhizobacteria filtrate. <i>Rhizosphere</i> , <b>2017</b> , 3, 123-125	3.5	8
77	Advances in Environmental Biotechnology <b>2017</b> ,		5
76	Co-inoculation of tomato with an arbuscular mycorrhizal fungus improves plant immunity and reduces root-knot nematode infection. <i>Rhizosphere</i> , <b>2017</b> , 4, 25-28	3.5	23
75	Heat stress induced adaptation in melanocytes is dependent on the level of melanin and reduction of apoptosis. <i>Journal of Dermatological Science</i> , <b>2017</b> , 85, 250-252	4.3	1
74	Heat stress-induced activation of a <i>Trichoderma harzianum</i> PIL superfamily gene. <i>Gene Reports</i> , <b>2017</b> , 6, 44-48	1.4	
73	Genetic status of KRAS modulates the role of Neuropilin-1 in tumorigenesis. <i>Scientific Reports</i> , <b>2017</b> , 7, 12877	4.9	13
72	Biochemical and histopathological changes in sheep fed different detoxified karanj () seed cake as partial protein supplements. <i>Animal Nutrition</i> , <b>2017</b> , 3, 164-170	4.8	3
71	Molecular etiopathology of naturally occurring reproductive diseases in female goats. <i>Veterinary World</i> , <b>2017</b> , 10, 964-972	1.7	4
70	Induced Pluripotent Stem Cell Technology: A Paradigm Shift in Medical Science for Drug Screening and Disease Modeling. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 4368-4398	4.3	5
69	PI3K/Akt/mTOR Intracellular Pathway and Breast Cancer: Factors, Mechanism and Regulation. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 1633-1638	3.3	71
68	Nano-Based Anti-Tubercular Drug Delivery and Therapeutic Interventions in Tuberculosis. <i>Current Drug Targets</i> , <b>2017</b> , 18, 72-86	3	6
67	A Comparative Evaluation of In-Vitro Antioxidant Activity of Some Commonly Used Spices of Northern India. <i>Natural Products Journal</i> , <b>2017</b> , 7, 131-136	0.6	5
66	Antiolithiatic Potential of Neeri against Calcium-Oxalate Stones by Crystallization Inhibition, Free Radicals Scavenging, and NRK-52E Cell Protection from Oxalate Injury. <i>Pharmacognosy Magazine</i> , <b>2017</b> , 13, S549-S554	0.8	1
65	Increasing the dietary supply of carotenoids through forage supplementation: Effect on nitrogen and mineral retention in captive Golden pheasants ( <i>Chrysolophus pictus</i> ). <i>Zoo Biology</i> , <b>2016</b> , 35, 522-532 <sup>1.6</sup>		0
64	Molecular targets of gambogic acid in cancer: recent trends and advancements. <i>Tumor Biology</i> , <b>2016</b> , 37, 12915-12925	2.9	58

63	Immunogenic decapeptide in melanoma immunotherapy. <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 267	2	1
62	Influence of dietary protein on serum metabolites and antioxidant status: A study in <i>Chrysolophus amherstiae</i> . <i>Zoo Biology</i> , <b>2016</b> , 35, 346-54	1.6	0
61	Ursolic acid (UA): A metabolite with promising therapeutic potential. <i>Life Sciences</i> , <b>2016</b> , 146, 201-13	6.8	178
60	Nitrogen Mineralization as Influenced by Different Organic Manures in an Inceptisol in the Foothill Himalayas. <i>Communications in Soil Science and Plant Analysis</i> , <b>2016</b> , 47, 194-202	1.5	4
59	Microbial Diversity and Bioactive Substances in Disease Suppressive Composts from India. <i>Compost Science and Utilization</i> , <b>2016</b> , 24, 105-116	1.2	9
58	Validation of putative reference genes for gene expression studies in heat stressed and EMSH treated melanocyte cells of <i>Bos indicus</i> using real-time quantitative PCR. <i>Molecular and Cellular Probes</i> , <b>2016</b> , 30, 161-7	3.3	6
57	Insight into thermophiles and their wide-spectrum applications. <i>3 Biotech</i> , <b>2016</b> , 6, 81	2.8	44
56	Differential Gene Expression of BRCA1, ERBB2 and TP53 biomarkers between Human Breast Tissue and Peripheral Blood Samples of Breast Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2016</b> , 16, 519-25	2.2	2
55	Ursolic Acid and Oleanolic Acid: Pentacyclic Terpenoids with Promising Anti-Inflammatory Activities. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , <b>2016</b> , 10, 21-33	5.4	71
54	Potassium fixation capabilities of some inceptisols belonging to plain and sub-mountainous region. <i>Journal of the Indian Society of Soil Science</i> , <b>2016</b> , 64, 368	1	2
53	Herbal Formulation Against Dental Caries Causing Microorganisms Using Extracts of <i>Stevia Rebaudiana</i> Leaves (A Natural Sweetner). <i>Natural Products Journal</i> , <b>2016</b> , 6, 126-133	0.6	3
52	<i>Brevibacillus borstelensis</i> and <i>Streptomyces albogriseolus</i> have roles to play in degradation of herbicide, sulfosulfuron. <i>3 Biotech</i> , <b>2016</b> , 6, 246	2.8	9
51	Continuing mortality of vultures in India associated with illegal veterinary use of diclofenac and a potential threat from nimesulide. <i>Oryx</i> , <b>2016</b> , 50, 104-112	1.5	40
50	Role of nitric oxide in the regulation of immune responses during rabies virus infection in mice. <i>VirusDisease</i> , <b>2016</b> , 27, 387-399	3.4	9
49	Effect of feeding graded levels of crude protein on nutrient utilization and feather growth in Lady Amherst's pheasants. <i>Zoo Biology</i> , <b>2016</b> , 35, 51-60	1.6	3
48	Effect of atorvastatin, a HMG-CoA reductase inhibitor in monosodium iodoacetate-induced osteoarthritic pain: implication for osteoarthritis therapy. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 513-9	3.9	15
47	Molecular aspects of melatonin (MLT)-mediated therapeutic effects. <i>Life Sciences</i> , <b>2015</b> , 135, 147-57	6.8	39
46	Cardiomyopathy and Worsened Ischemic Heart Failure in SM22-Cre-Mediated Neuropilin-1 Null Mice: Dysregulation of PGC1 $\beta$ and Mitochondrial Homeostasis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1401-12	9.4	23

45	Tracheoesophageal fistula in adults due to corrosive ingestion: challenges in management. <i>Updates in Surgery</i> , <b>2015</b> , 67, 75-81	2.9	6
44	Effect of feeding different levels of wheat roti on nutrient utilization and blood metabolite profile in semi-captive Asian elephants ( <i>Elephas maximus</i> ). <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2015</b> , 99, 367-78	2.6	2
43	Microbial pigments as natural color sources: current trends and future perspectives. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 4669-78	3.3	139
42	Altered lipid composition and enhanced lipid production in green microalga by introduction of brassica diacylglycerol acyltransferase 2. <i>Plant Biotechnology Journal</i> , <b>2015</b> , 13, 540-50	11.6	90
41	Dopamine D2 receptor agonists inhibit lung cancer progression by reducing angiogenesis and tumor infiltrating myeloid derived suppressor cells. <i>Molecular Oncology</i> , <b>2015</b> , 9, 270-81	7.9	46
40	Effect of concentrates restriction on feed consumption, diet digestibility, and nitrogen utilization in captive Asian elephants ( <i>Elephas maximus</i> ). <i>Zoo Biology</i> , <b>2015</b> , 34, 60-70	1.6	4
39	Secondary Metabolites Derived from Actinomycetes: Iron Modulation and Their Therapeutic Potential. <i>Natural Products Journal</i> , <b>2015</b> , 5, 72-81	0.6	2
38	Apoptotic effect of cordycepin on A549 human lung cancer cell line. <i>Turkish Journal of Biology</i> , <b>2015</b> , 39, 306-311	3.1	18
37	Biodegradation Aspects of Carbendazim and Sulfosulfuron: Trends, Scope and Relevance. <i>Current Medicinal Chemistry</i> , <b>2015</b> , 22, 1147-1155	4.3	4
36	Bioremediation of Carbendazim, a Benzimidazole Fungicide Using <i>Brevibacillus borstelensis</i> and <i>Streptomyces albogriseolus</i> Together. <i>Current Pharmaceutical Biotechnology</i> , <b>2015</b> , 17, 185-9	2.6	16
35	Spontaneous Trans-Abdominal Expulsion of a Foreign Body: A Rare Occurrence. <i>Journal of Clinical and Diagnostic Research JCDR</i> , <b>2015</b> , 9, PD01-2	0	1
34	Spontaneous ante-grade enteral migration of jejunostomy tube: A rare complication. <i>Journal of Cancer Research and Therapeutics</i> , <b>2015</b> , 11, 1033	1.2	0
33	A retrospective approach to assess human health risks associated with growing air pollution in urbanized area of Thar Desert, western Rajasthan, India. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2014</b> , 12, 23	2.9	28
32	Isoxazoline containing natural products as anticancer agents: a review. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 77, 121-33	6.8	171
31	Influence of work on nutrient utilisation in semicaptive Asian elephants ( <i>Elephas maximus</i> ). <i>Journal of Applied Animal Research</i> , <b>2014</b> , 42, 380-388	1.7	2
30	Selective assembly of DNA-conjugated single-walled carbon nanotubes from the vascular secretome. <i>ACS Nano</i> , <b>2014</b> , 8, 9126-36	16.7	11
29	Prognostic and Predictive Biomarkers in Cancer. <i>Current Cancer Drug Targets</i> , <b>2014</b> , 14, 477-504	2.8	20
28	GAIP interacting protein C-terminus regulates autophagy and exosome biogenesis of pancreatic cancer through metabolic pathways. <i>PLoS ONE</i> , <b>2014</b> , 9, e114409	3.7	44

27	Drug resistance in tuberculosis: how to counter the menace?. <i>Current Pharmaceutical Biotechnology</i> , <b>2014</b> , 15, 1158-65	2.6	7
26	Hormone responsive breast cancer and BRCA1 mutation: mechanism, regulation and iron-mediated effects. <i>Current Pharmaceutical Biotechnology</i> , <b>2014</b> , 15, 1113-24	2.6	4
25	Mechanisms of resistance against cancer therapeutic drugs. <i>Current Pharmaceutical Biotechnology</i> , <b>2014</b> , 15, 1105-12	2.6	11
24	Suppression of inflammatory and allergic responses by pharmacologically potent fungus <i>Ganoderma lucidum</i> . <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , <b>2014</b> , 8, 104-17	5.4	26
23	Cordycepin: a bioactive metabolite with therapeutic potential. <i>Life Sciences</i> , <b>2013</b> , 93, 863-9	6.8	176
22	Pyrazole containing natural products: synthetic preview and biological significance. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 69, 735-53	6.8	351
21	Effect of iNOS inhibitor S-methylisothiourea in monosodium iodoacetate-induced osteoarthritic pain: implication for osteoarthritis therapy. <i>Pharmacology Biochemistry and Behavior</i> , <b>2013</b> , 103, 764-72	3.9	32
20	Analyzing rainfall effects for sustainable rainfed maize productivity in foothills of Northwest Himalayas. <i>Field Crops Research</i> , <b>2013</b> , 145, 96-105	5.5	15
19	Nanocarriers as Promising Drug Vehicles for the Management of Tuberculosis. <i>BioNanoScience</i> , <b>2013</b> , 3, 102-111	3.4	3
18	Interaction with Cfd1 increases the kinetic lability of FeS on the Nbp35 scaffold. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 23358-67	5.4	28
17	Probing Lingzhi or Reishi medicinal mushroom <i>Ganoderma lucidum</i> (higher Basidiomycetes): a bitter mushroom with amazing health benefits. <i>International Journal of Medicinal Mushrooms</i> , <b>2013</b> , 15, 127-43	1.3	57
16	Hypothyroidism and cardiovascular disease: factors, mechanism and future perspectives. <i>Current Medicinal Chemistry</i> , <b>2013</b> , 20, 4411-8	4.3	11
15	Bio-preservative and therapeutic potential of pediocin: recent trends and future perspectives. <i>Recent Patents on Biotechnology</i> , <b>2013</b> , 7, 172-8	2.2	19
14	Isocitrate lyase: a potential target for anti-tubercular drugs. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , <b>2013</b> , 7, 114-23	5.4	23
13	Inhibitors of HIV-1 entry and integration: recent developments and impact on treatment. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , <b>2013</b> , 7, 151-61	5.4	6
12	Comparative computational analysis of ADP Glucose Pyrophosphorylase in plants. <i>Bioinformation</i> , <b>2013</b> , 9, 572-6	1.1	3
11	Computer-assisted coloring and illuminating based on a region-tree structure. <i>SpringerPlus</i> , <b>2012</b> , 1, 1		35
10	Effect of S-methylisothiourea in acetaminophen-induced hepatotoxicity in rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2012</b> , 385, 1127-39	3.4	7



9	A bridging [4Fe-4S] cluster and nucleotide binding are essential for function of the Cfd1-Nbp35 complex as a scaffold in iron-sulfur protein maturation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 12365-78	5.4	78
8	Immunopathological effects of experimental T-2 mycotoxocosis in broiler chicken co-infected with infectious bronchitis virus (IBV). <i>Veterinary Immunology and Immunopathology</i> , <b>2012</b> , 146, 245-53	2	5
7	Nonexchangeable Potassium Displacement in Relation to Potassium Availability to Rainfed Maize under Nitrogen Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , <b>2012</b> , 43, 2050-2061	1.5	3
6	Studies on apoptotic changes in combined toxicity of citrinin and endosulfan in pregnant wistar rats and their fetuses. <i>Toxicology International</i> , <b>2012</b> , 19, 138-43		6
5	Iron regulation in tuberculosis research: promise and challenges. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 1723-31	4.3	12
4	Cytosolic iron-sulfur cluster assembly (CIA) system: factors, mechanism, and relevance to cellular iron regulation. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 26745-26751	5.4	80
3	DNA vaccines: future strategies and relevance to intracellular pathogens. <i>Immunology and Cell Biology</i> , <b>2001</b> , 79, 537-46	5	38
2	Adjuvant modulation of T-cell reactivity to 30-kDa secretory protein of Mycobacterium tuberculosis H37Rv and its protective efficacy against experimental tuberculosis. <i>Journal of Medical Microbiology</i> , <b>1999</b> , 48, 757-763	3.2	14
1	Biochemical properties and application of a novel pectinase from a mutant strain of Bacillus subtilis. <i>Biomass Conversion and Biorefinery</i> , <b>1</b>	2.3	3