

# Niranjana Koirala

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,918  
citations

430874

18  
h-index

265206

42  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Phenolic Content, Flavonoid Content and Antioxidant Potential of Wild Vegetables from Western Nepal. <i>Plants</i> , 2019, 8, 96.	3.5	544
2	Antibiotic resistance in microbes: History, mechanisms, therapeutic strategies and future prospects. <i>Journal of Infection and Public Health</i> , 2021, 14, 1750-1766.	4.1	286
3	Methylation of flavonoids: Chemical structures, bioactivities, progress and perspectives for biotechnological production. <i>Enzyme and Microbial Technology</i> , 2016, 86, 103-116.	3.2	140
4	Curcuminâ€™s Nanomedicine Formulations for Therapeutic Application in Neurological Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 430.	2.4	116
5	Cinnamomum Species: Bridging Phytochemistry Knowledge, Pharmacological Properties and Toxicological Safety for Health Benefits. <i>Frontiers in Pharmacology</i> , 2021, 12, 600139.	3.5	89
6	Assessing acceptor substrate promiscuity of YjiC-mediated glycosylation toward flavonoids. <i>Carbohydrate Research</i> , 2014, 393, 26-31.	2.3	70
7	Production, Characterization, and Industrial Application of Pectinase Enzyme Isolated from Fungal Strains. <i>Fermentation</i> , 2020, 6, 59.	3.0	67
8	Methylation and subsequent glycosylation of 7,8-dihydroxyflavone. <i>Journal of Biotechnology</i> , 2014, 184, 128-137.	3.8	54
9	Advances in Biochemistry and Microbial Production of Squalene and Its Derivatives. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 441-451.	2.1	49
10	Probing 3-Hydroxyflavone for <i>In Vitro</i> Glycorandomization of Flavonols by YjiC. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6833-6838.	3.1	47
11	Glycosylation of Isoflavonoids in Engineered <i>Escherichia coli</i> . <i>Molecules and Cells</i> , 2014, 37, 172-177.	2.6	47
12	Enzymatic synthesis of epothilone A glycosides. <i>AMB Express</i> , 2014, 4, 31.	3.0	38
13	Interplay between carbon, nitrogen and phosphate utilization in the control of secondary metabolite production in <i>Streptomyces</i> . <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 761-781.	1.7	37
14	Glycosylation and subsequent malonylation of isoflavonoids in <i>E. coli</i> : strain development, production and insights into future metabolic perspectives. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1647-1658.	3.0	29
15	Metabolic engineering of <i>Escherichia coli</i> for the production of isoflavonoidâ€™methoxides and their biological activities. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 484-493.	3.1	24
16	Ethnobotany, Phytochemistry, Biological Activities, and Health-Promoting Effects of the Genus <i>Bulbophyllum</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-15.	1.2	24
17	Modification of emodin and aloe-emodin by glycosylation in engineered <i>Escherichia coli</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 611-619.	3.6	21
18	Hyssopus Essential Oil: An Update of Its Phytochemistry, Biological Activities, and Safety Profile. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-10.	4.0	21

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19	Activation of Cryptic hop Genes from <i>Streptomyces peucetius</i> ATCC 27952 Involved in Hopanoid Biosynthesis. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 658-661.	2.1	20
20	Bioactivity evaluations of leaf extract fractions from young barley grass and correlation with their phytochemical profiles. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 64.	2.7	18
21	Nanoformulations of curcumin and quercetin with silver nanoparticles for inactivation of bacteria. <i>Cellular and Molecular Biology</i> , 2022, 67, 151-156.	0.9	18
22	<i>Vitex negundo</i> Linn.: phytochemical composition, nutritional analysis, and antioxidant and antimicrobial activity. <i>Cellular and Molecular Biology</i> , 2020, 66, 1-7.	0.9	15
23	A comprehensive review on antiepileptic properties of medicinal plants. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103478.	4.9	14
24	Dairy-Derived and Egg White Proteins in Enhancing Immune System Against COVID-19. <i>Frontiers in Nutrition</i> , 2021, 8, 629440.	3.7	11
25	Biodegradation Kinetics of Diethyl Phthalate by Three Newly Isolated Strains of <i>Pseudomonas</i> . <i>Scientific African</i> , 2020, 8, e00380.	1.5	10
26	Phytochemical screening and the effect of <i>Trichosanthes dioica</i> in high-fat diet induced atherosclerosis in Wistar rats. <i>Food Frontiers</i> , 2021, 2, 527-536.	7.4	10
27	Screening and Optimization of Newly Isolated Thermotolerant <i>Lysinibacillus fusiformis</i> Strain SK for Protease and Antifungal Activity. <i>Current Microbiology</i> , 2020, 77, 1558-1568.	2.2	9
28	Physical, chemical and microbiological characterization of processed drinking water in central Nepal: current state study. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2020, 10, 157-165.	1.8	9
29	Functional Analysis of the GlcP Promoter in <i>Streptomyces peucetius</i> var. <i>caesius</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3207-3217.	2.9	7
30	<i>Tinospora cordifolia</i> (Willd.) Miers: phytochemical composition, cytotoxicity, proximate analysis and their biological activities. <i>Cellular and Molecular Biology</i> , 2021, 67, 50-57.	0.9	7
31	Biological activities and health-promoting effects of <i>Pyracantha</i> genus: a key approach to the phytochemical's potential. <i>Cellular and Molecular Biology</i> , 2020, 66, 20-27.	0.9	7
32	Biofuel Production from Waste Cooking Oils and its Physicochemical Properties in Comparison to Petrodiesel. <i>Nepal Journal of Biotechnology</i> , 2020, 8, 87-94.	0.4	7
33	Sensorial and chemical analysis of biscuits prepared by incorporating <i>Moringa</i> flower powder and leaf powder. <i>International Journal of Food Properties</i> , 2022, 25, 894-906.	3.0	7
34	Antipyretic, Antinociceptive, and Anti-Inflammatory Activities from <i>Pogostemon benghalensis</i> Leaf Extract in Experimental Wistar Rats. <i>Medicines (Basel, Switzerland)</i> , 2019, 6, 96.	1.4	6
35	Microbial and Parasitic Contamination of Fresh Raw Vegetable Samples and Detection of the BlaTEM and BlaCTX-M Genes from <i>E. coli</i> Isolates. <i>Agriculture (Switzerland)</i> , 2020, 10, 341.	3.1	6
36	Stimulatory effect of magnesium supplement on anaerobic co-digestion of food waste and domestic wastewater. <i>Journal of Water Process Engineering</i> , 2021, 40, 101773.	5.6	6

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37	Antimicrobial and antibiofilm potential of <i>Curcuma longa</i> Linn. Rhizome extract against biofilm producing <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> isolates. <i>Cellular and Molecular Biology</i> , 2021, 67, 17-23.	0.9	6
38	Enhancing the Pharmaceutical Properties of Flavonoids via Methylation and Glycosylation. <i>SOJ Biochemistry</i> , 2016, 2, 1-2.	0.2	4
39	Comparative Study of the Antioxidative Potential of Common Natural Flavonoids and Isoflavonoids. <i>Microbiology and Biotechnology Letters</i> , 2013, 41, 367-371.	0.4	4
40	<i>Reinwardtia indica</i> : phytochemical screening and evaluation of wound healing activity of the extracts in experimental model rats. <i>Cellular and Molecular Biology</i> , 2021, 67, 24-31.	0.9	3
41	Extraction and Evaluation of Anti-inflammatory and Analgesic Activity of <i>Mimosa rubicaulis</i> in Swiss Albino Rats. <i>Anti-Infective Agents</i> , 2021, 19, 6-13.	0.4	3
42	Incidence of ESBL-Producing Gram Negative Bacteria of Lower Respiratory Tract Infection in Bharatpur Hospital, Nepal. <i>Anti-Infective Agents</i> , 2020, 18, .	0.4	2
43	Novel <i>Streptomyces</i> Sp. Reported in 2018: A Meta-Analysis. <i>Anti-Infective Agents</i> , 2021, 19, .	0.4	2
44	Production and Profitability of Hybrid Rice Is Influenced by Different Nutrient Management Practices. <i>Agriculture (Switzerland)</i> , 2022, 12, 4.	3.1	2
45	Prevent Misuse of Antibiotics in Nepal. <i>Open Microbiology Journal</i> , 2019, 13, 239-240.	0.7	1
46	Association of rs2231142 with Serum Uric Acid among the Nepalese Patient Visiting the Tertiary Care Hospital. <i>International Journal of Biochemistry &amp; Physiology</i> , 0, , .	0.1	0
47	Bioactive Phytochemicals in Health and Disease. , 2020, , .		0
48	Medicinal/Pharmaceutical Chemistry and Engineering of Anti-infective Agents. <i>Anti-Infective Agents</i> , 2021, 19, 2-2.	0.4	0