

# Samendra P Sherchan

## List of Publications by Citations

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**Version:** 2024-04-27

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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.

72  
papers

1,354  
citations

19  
h-index

35  
g-index

77  
ext. papers

2,225  
ext. citations

6.1  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
72	First detection of SARS-CoV-2 RNA in wastewater in North America: A study in Louisiana, USA. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140621	10.2	228
71	Decay of SARS-CoV-2 and surrogate murine hepatitis virus RNA in untreated wastewater to inform application in wastewater-based epidemiology. <i>Environmental Research</i> , <b>2020</b> , 191, 110092	7.9	156
70	COVID-19 containment on a college campus via wastewater-based epidemiology, targeted clinical testing and an intervention. <i>Science of the Total Environment</i> , <b>2021</b> , 779, 146408	10.2	83
69	The structural basis of accelerated host cell entry by SARS-CoV-2. <i>FEBS Journal</i> , <b>2021</b> , 288, 5010-5020	5.7	73
68	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. <i>ACS Nano</i> , <b>2021</b> , 15, 8069-8086	16.7	59
67	Association between screen time and depression among US adults. <i>Preventive Medicine Reports</i> , <b>2017</b> , 8, 67-71	2.6	51
66	Wastewater Surveillance for SARS-CoV-2 on College Campuses: Initial Efforts, Lessons Learned, and Research Needs. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	48
65	Applicability of crAssphage, pepper mild mottle virus, and tobacco mosaic virus as indicators of reduction of enteric viruses during wastewater treatment. <i>Scientific Reports</i> , <b>2020</b> , 10, 3616	4.9	36
64	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , <b>2022</b> , 805, 149877	10.2	36
63	Questions concerning the proximal origin of SARS-CoV-2. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 1204-1206	6.7	31
62	Assessing the spatial and temporal variability of bacterial communities in two Bardenpho wastewater treatment systems via Illumina MiSeq sequencing. <i>Science of the Total Environment</i> , <b>2019</b> , 657, 1543-1552	10.2	30
61	Intraday variability of indicator and pathogenic viruses in 1-h and 24-h composite wastewater samples: Implications for wastewater-based epidemiology. <i>Environmental Research</i> , <b>2021</b> , 193, 110531	7.9	29
60	Presence of Human Enteric Viruses, Protozoa, and Indicators of Pathogens in the Bagmati River, Nepal. <i>Pathogens</i> , <b>2018</b> , 7,	4.5	28
59	Prevalence of methicillin resistant, multidrug resistant and extended spectrum $\beta$ -lactamase producing gram negative bacilli causing wound infections at a tertiary care hospital of Nepal. <i>Antimicrobial Resistance and Infection Control</i> , <b>2018</b> , 7, 121	6.2	28
58	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 801-809	7.9	25
57	The Deepwater Horizon Oil Spill Through the Lens of Human Health and the Ecosystem. <i>Current Environmental Health Reports</i> , <b>2016</b> , 3, 370-378	6.5	24
56	A unique view of SARS-CoV-2 through the lens of ORF8 protein. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 133, 104380	7	23

55	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
54	Removal of Antibiotic Resistance Genes at Two Conventional Wastewater Treatment Plants of Louisiana, USA. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1729	3	19
53	Removal of fecal indicator bacteria and antibiotic resistant genes in constructed wetlands. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 10188-10197	5.1	17
52	Assessment of microbial risks by characterization of Escherichia coli presence to analyze the public health risks from poor water quality in Nepal. <i>International Journal of Hygiene and Environmental Health</i> , <b>2020</b> , 226, 113484	6.9	14
51	Inactivation of MS2 coliphage by UV and hydrogen peroxide: comparison by cultural and molecular methodologies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2014</b> , 49, 397-403	2.3	13
50	Bathing Water Quality Monitoring Practices in Europe and the United States. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	13
49	COVID-19 Vaccines and Thrombosis-Roadblock or Dead-End Street?. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	13
48	Near Real-Time Detection of in Reclaimed Water. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
47	Assessment of fecal pollution in Lake Pontchartrain, Louisiana. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 129, 655-663	6.6	12
46	Quantitative assessment of Naegleria fowleri and fecal indicator bacteria in brackish water of Lake Pontchartrain, Louisiana. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 8-16	10.2	11
45	Prevalence of Arcobacter and Other Pathogenic Bacteria in River Water in Nepal. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1416	3	11
44	Wastewater-based Epidemiology for Averting COVID-19 Outbreaks on The University of Arizona Campus		11
43	Molecular detection of opportunistic premise plumbing pathogens in rural Louisiana's drinking water distribution system. <i>Environmental Research</i> , <b>2020</b> , 181, 108847	7.9	11
42	Wastewater Based Epidemiology Perspective as a Faster Protocol for Detecting Coronavirus RNA in Human Populations: A Review with Specific Reference to SARS-CoV-2 Virus. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	11
41	The Occurrence of Antibiotic Resistance Genes in an Urban River in Nepal. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 450	3	9
40	Reduction of at Two Conventional Wastewater Treatment Plants in Southern Arizona, USA. <i>Pathogens</i> , <b>2019</b> , 8,	4.5	9
39	Implications of SARS-CoV-2 on current and future operation and management of wastewater systems. <i>Water Environment Research</i> , <b>2021</b> , 93, 502-515	2.8	9
38	Reduction of Cryptosporidium, Giardia, and Fecal Indicators by Bardenpho Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7015-7023	10.3	9

37	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102941	13.6	9
36	Reduction of Human Enteric and Indicator Viruses at a Wastewater Treatment Plant in Southern Louisiana, USA. <i>Food and Environmental Virology</i> , <b>2020</b> , 12, 260-263	4	8
35	Occurrence of SARS-CoV-2 RNA in Six Municipal Wastewater Treatment Plants at the Early Stage of COVID-19 Pandemic in The United States. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	8
34	Prevalence and associated risk factors of Giardia duodenalis infection among school-going children in Nepal. <i>Parasitology Research</i> , <b>2018</b> , 117, 287-293	2.4	8
33	Evaluation of CrAssphage Marker for Tracking Fecal Contamination in River Water in Nepal. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	7
32	Arsenic disturbs the gut microbiome of individuals in a disadvantaged community in Nepal. <i>Heliyon</i> , <b>2020</b> , 6, e03313	3.6	7
31	Comparison of next-generation droplet digital PCR with quantitative PCR for enumeration of Naegleria fowleri in environmental water and clinical samples. <i>Letters in Applied Microbiology</i> , <b>2018</b> , 67, 322-328	2.9	7
30	Molecular detection of opportunistic pathogens and insights into microbial diversity in private well water and premise plumbing. <i>Journal of Water and Health</i> , <b>2020</b> , 18, 820-834	2.2	6
29	Letter to the Editor regarding Mathavarajah et al. (2020) Pandemic danger to the deep: The risk of marine mammals contracting SARS-CoV-2 from wastewater. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 144855	10.2	6
28	Wastewater surveillance for SARS-CoV-2 on college campuses: Initial efforts, lessons learned and research needs <b>2021</b> ,		5
27	SARS-CoV-2 shedding sources in wastewater and implications for wastewater-based epidemiology.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 432, 128667	12.8	5
26	Microbiological Assessment of Tap Water Following the 2016 Louisiana Flooding. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
25	Persistence and occurrence of SARS-CoV-2 in water and wastewater environments: a review of the current literature. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	4
24	Prevalence of intestinal parasitosis and associated risk factors among school children of Saptari district, Nepal: a cross-sectional study. <i>Tropical Medicine and Health</i> , <b>2020</b> , 48, 73	3.4	4
23	Effects of Hurricane Michael on Access to Care for Pregnant Women and Associated Pregnancy Outcomes. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
22	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102909	13.6	4
21	Reduction of erythromycin resistance gene erm(F) and class 1 integron-integrase genes in wastewater by Bardenpho treatment. <i>Water Environment Research</i> , <b>2020</b> , 92, 1042-1050	2.8	3
20	Detection of SARS-CoV-2 RNA in wastewater, river water, and hospital wastewater of Nepal.. <i>Science of the Total Environment</i> , <b>2022</b> , 824, 153816	10.2	3

19	Enhanced decay of coronaviruses in sewers with domestic wastewater. <i>Science of the Total Environment</i> , <b>2021</b> , 813, 151919	10.2	3
18	Emergence of unique SARS-CoV-2 ORF10 variants and their impact on protein structure and function. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 194, 128-143	7.9	2
17	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2.. <i>Archives of Biochemistry and Biophysics</i> , <b>2022</b> , 717, 109124	4.1	2
16	Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19.. <i>Science of the Total Environment</i> , <b>2022</b> , 155347	10.2	2
15	Reduction of Pathogenic and Indicator Viruses at a Drinking Water Treatment Plant in Southern Louisiana, USA. <i>Food and Environmental Virology</i> , <b>2020</b> , 12, 269-273	4	1
14	Assessing the effects of disasters and their aftermath on pregnancy and infant outcomes: A conceptual model. <i>International Journal of Disaster Risk Reduction</i> , <b>2021</b> , 62,	4.5	1
13	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. <i>Environmental Research</i> , <b>2021</b> , 204, 112092	7.9	1
12	Implications derived from S-protein variants of SARS-CoV-2 from six continents. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 191, 934-955	7.9	1
11	Virus reduction at wastewater treatment plants in Nepal. <i>Environmental Challenges</i> , <b>2021</b> , 5, 100281	2.6	1
10	Hurricane Michael and Adverse Birth Outcomes in the Florida Panhandle: Analysis of Vital Statistics Data.. <i>Disaster Medicine and Public Health Preparedness</i> , <b>2022</b> , 1-8	2.8	1
9	Integrating Virus Monitoring Strategies for Safe Non-Potable Water Reuse. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1187	3	1
8	Possibility of Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) through Wastewater in Developing Countries. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3412	3	1
7	Application of digital PCR for public health-related water quality monitoring.. <i>Science of the Total Environment</i> , <b>2022</b> , 155663	10.2	1
6	Incidence of human associated HF183 Bacteroides marker and E. coli levels in New Orleans Canals. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150356	10.2	0
5	Occurrence of Naegleria fowleri and faecal indicators in sediments from Lake Pontchartrain, Louisiana.. <i>Journal of Water and Health</i> , <b>2022</b> , 20, 657-669	2.2	0
4	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology.. <i>Water Research</i> , <b>2022</b> , 218, 118451	12.5	0
3	Prevalence of antibiotic resistance genes in drinking water of the Kathmandu Valley, Nepal. <i>Environmental Challenges</i> , <b>2022</b> , 7, 100527	2.6	0
2	Harmful algal bloom-related 311 calls, Cape Coral, Florida 2018-2019.. <i>Journal of Water and Health</i> , <b>2022</b> , 20, 531-538	2.2	

- 1 Circulating Genotypes of Rotavirus Prior to Rotarix?vaccine Introduction in Kathmandu, Nepal..  
*Journal of Nepal Health Research Council*, **2021**, 19, 508-512 0.9