

# Santosh Dhakal

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

2,099  
citations

279798

23  
h-index

276875

41  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological sex impacts COVID-19 outcomes. PLoS Pathogens, 2020, 16, e1008570.	4.7	218
2	Age-associated changes in the impact of sex steroids on influenza vaccine responses in males and females. Npj Vaccines, 2019, 4, 29.	6.0	124
3	Mucosal Immunity and Protective Efficacy of Intranasal Inactivated Influenza Vaccine Is Improved by Chitosan Nanoparticle Delivery in Pigs. Frontiers in Immunology, 2018, 9, 934.	4.8	116
4	Biodegradable nanoparticle delivery of inactivated swine influenza virus vaccine provides heterologous cell-mediated immune response in pigs. Journal of Controlled Release, 2017, 247, 194-205.	9.9	102
5	Transmission of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) to animals: an updated review. Journal of Translational Medicine, 2020, 18, 358.	4.4	97
6	Host Factors Impact Vaccine Efficacy: Implications for Seasonal and Universal Influenza Vaccine Programs. Journal of Virology, 2019, 93, .	3.4	86
7	Sex- and Gender-Based Pharmacological Response to Drugs. Pharmacological Reviews, 2021, 73, 730-762.	16.0	80
8	Durable SARS-CoV-2 B cell immunity after mild or severe disease. Journal of Clinical Investigation, 2021, 131, .	8.2	76
9	Entrapment of H1N1 Influenza Virus Derived Conserved Peptides in PLGA Nanoparticles Enhances T Cell Response and Vaccine Efficacy in Pigs. PLoS ONE, 2016, 11, e0151922.	2.5	71
10	Sex Differences in Lung Imaging and SARS-CoV-2 Antibody Responses in a COVID-19 Golden Syrian Hamster Model. MBio, 2021, 12, e0097421.	4.1	69
11	A bacterial extracellular vesicle-based intranasal vaccine against SARS-CoV-2 protects against disease and elicits neutralizing antibodies to wild-type and Delta variants. Journal of Extracellular Vesicles, 2022, 11, e12192.	12.2	60
12	<p></p>Oral Deliverable Mucoadhesive Chitosan</em></p></p>Salmonella</em></p> Subunit Nanovaccine for Layer Chickens</p></p>. International Journal of Nanomedicine, 2020, Volume 15, 761-777.	6.7	54
13	Nanoparticle-based vaccine development and evaluation against viral infections in pigs. Veterinary Research, 2019, 50, 90.	3.0	50
14	Liposomal nanoparticle-based conserved peptide influenza vaccine and monosodium urate crystal adjuvant elicit protective immune response in pigs. International Journal of Nanomedicine, 2018, Volume 13, 6699-6715.	6.7	45
15	Polyanhydride nanovaccine against swine influenza virus in pigs. Vaccine, 2017, 35, 1124-1131.	3.8	41
16	Chitosan-adjuvanted Salmonella subunit nanoparticle vaccine for poultry delivered through drinking water and feed. Carbohydrate Polymers, 2020, 243, 116434.	10.2	38
17	Mutations in a Highly Conserved Motif of nsp1 <sup>2</sup> Protein Attenuate the Innate Immune Suppression Function of Porcine Reproductive and Respiratory Syndrome Virus. Journal of Virology, 2016, 90, 3584-3599.	3.4	34
18	Amish (Rural) vs. non-Amish (Urban) Infant Fecal Microbiotas Are Highly Diverse and Their Transplantation Lead to Differences in Mucosal Immune Maturation in a Humanized Germfree Piglet Model. Frontiers in Immunology, 2019, 10, 1509.	4.8	31

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19	Androgen receptor signaling in the lungs mitigates inflammation and improves the outcome of influenza in mice. <i>PLoS Pathogens</i> , 2020, 16, e1008506.	4.7	28
20	A Nanoparticle-Poly(I:C) Combination Adjuvant Enhances the Breadth of the Immune Response to Inactivated Influenza Virus Vaccine in Pigs. <i>Vaccines</i> , 2020, 8, 229.	4.4	27
21	Surface engineered polyanhydride-based oral &em>Salmonella &em>subunit nanovaccine for poultry. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 8195-8215.	6.7	26
22	Early Epidemiological Features of COVID-19 in Nepal and Public Health Response. <i>Frontiers in Medicine</i> , 2020, 7, 524.	2.6	26
23	Evaluation of humoral immune status in porcine epidemic diarrhea virus (PEDV) infected sows under field conditions. <i>Veterinary Research</i> , 2015, 46, 140.	3.0	24
24	Adjuvant effects of invariant NKT cell ligand potentiates the innate and adaptive immunity to an inactivated H1N1 swine influenza virus vaccine in pigs. <i>Veterinary Microbiology</i> , 2016, 186, 157-163.	1.9	24
25	Poly(I:C) augments inactivated influenza virus-chitosan nanovaccine induced cell mediated immune response in pigs vaccinated intranasally. <i>Veterinary Microbiology</i> , 2020, 242, 108611.	1.9	24
26	Review of rabies in Nepal. <i>One Health</i> , 2020, 10, 100155.	3.4	23
27	Sex-specific effects of age and body mass index on antibody responses to seasonal influenza vaccines in healthcare workers. <i>Vaccine</i> , 2022, 40, 1634-1642.	3.8	23
28	Corn-derived alpha-D-glucan nanoparticles as adjuvant for intramuscular and intranasal immunization in pigs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 16, 226-235.	3.3	22
29	Immunity and Protective Efficacy of Mannose Conjugated Chitosan-Based Influenza Nanovaccine in Maternal Antibody Positive Pigs. <i>Frontiers in Immunology</i> , 2021, 12, 584299.	4.8	22
30	Progression and Resolution of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Golden Syrian Hamsters. <i>American Journal of Pathology</i> , 2022, 192, 195-207.	3.8	22
31	Livestock and Poultry Production in Nepal and Current Status of Vaccine Development. <i>Vaccines</i> , 2020, 8, 322.	4.4	20
32	Development of a porcine reproductive and respiratory syndrome virus-like-particle-based vaccine and evaluation of its immunogenicity in pigs. <i>Archives of Virology</i> , 2016, 161, 1579-1589.	2.1	18
33	Seroprevalence of brucellosis in different animal species of Kailali district, Nepal. <i>International Journal of Infection and Microbiology</i> , 2013, 2, 22-25.	0.3	17
34	Knowledge and Practices of Pig Farmers Regarding Japanese Encephalitis in Kathmandu, Nepal. <i>Zoonoses and Public Health</i> , 2012, 59, 568-574.	2.2	16
35	Inactivated porcine reproductive and respiratory syndrome virus vaccine adjuvanted with Montanide <sup>®</sup> , <sup>®</sup> Gel 01 ST elicits virus-specific cross-protective inter-genotypic response in piglets. <i>Veterinary Microbiology</i> , 2016, 192, 81-89.	1.9	16
36	124I-Iodo-DPA-713 Positron Emission Tomography in a Hamster Model of SARS-CoV-2 Infection. <i>Molecular Imaging and Biology</i> , 2022, 24, 135-143.	2.6	16

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37	The Serological Sciences Network (SeroNet) for COVID-19: Depth and Breadth of Serology Assays and Plans for Assay Harmonization. <i>MSphere</i> , 2022, 7, .	2.9	16
38	Supplementation of inactivated influenza vaccine with norovirus P particle-M2e chimeric vaccine enhances protection against heterologous virus challenge in chickens. <i>PLoS ONE</i> , 2017, 12, e0171174.	2.5	15
39	Evaluation of CpG-ODN-adjuvanted polyanhydride-based intranasal influenza nanovaccine in pigs. <i>Veterinary Microbiology</i> , 2019, 237, 108401.	1.9	15
40	Animal coronaviruses and coronavirus disease 2019: Lesson for One Health approach. <i>Open Veterinary Journal</i> , 2020, 10, 239-251.	0.7	15
41	Combating the COVID-19 Pandemic: Experiences of the First Wave From Nepal. <i>Frontiers in Public Health</i> , 2021, 9, 613402.	2.7	14
42	Regional Variation in Pig Farmer Awareness and Actions Regarding Japanese Encephalitis in Nepal: Implications for Public Health Education. <i>PLoS ONE</i> , 2014, 9, e85399.	2.5	14
43	Prevalence, antibiogram and risk factors of thermophilic campylobacter spp. in dressed porcine carcass of Chitwan, Nepal. <i>BMC Microbiology</i> , 2014, 14, 85.	3.3	13
44	Hamsters as a Model of Severe Acute Respiratory Syndrome Coronavirus-2. <i>Comparative Medicine</i> , 2021, 71, 398-410.	1.0	13
45	Intranasal delivery of influenza antigen by nanoparticles, but not NKT-cell adjuvant differentially induces the expression of B-cell activation factors in mice and swine. <i>Cellular Immunology</i> , 2018, 329, 27-30.	3.0	12
46	Prevalence of gastrointestinal zoonotic helminths in dogs of Kathmandu, Nepal. <i>International Journal of Infection and Microbiology</i> , 2013, 2, 91-94.	0.3	11
47	Comparative analysis of routes of immunization of a live porcine reproductive and respiratory syndrome virus (PRRSV) vaccine in a heterologous virus challenge study. <i>Veterinary Research</i> , 2016, 47, 45.	3.0	11
48	Intranasal Delivery of Inactivated Influenza Virus and Poly(I:C) Adsorbed Corn-Based Nanoparticle Vaccine Elicited Robust Antigen-Specific Cell-Mediated Immune Responses in Maternal Antibody Positive Nursery Pigs. <i>Frontiers in Immunology</i> , 2020, 11, 596964.	4.8	11
49	Perceptions towards COVID-19 Vaccines and Willingness to Vaccinate in Nepal. <i>Vaccines</i> , 2021, 9, 1448.	4.4	11
50	Status of tuberculosis in bovine animals raised by tuberculosis infected patients in Western Chitwan, Nepal. <i>International Journal of Infection and Microbiology</i> , 2013, 1, 49-53.	0.3	10
51	Survey on Street Dog Population in Pokhara Valley of Nepal. <i>Bangladesh Journal of Veterinary Medicine</i> , 2015, 13, 65-70.	0.4	10
52	Female-biased effects of aging on a chimeric hemagglutinin stalk-based universal influenza virus vaccine in mice. <i>Vaccine</i> , 2022, 40, 1624-1633.	3.8	10
53	Japanese encephalitis: Challenges and intervention opportunities in Nepal. <i>Veterinary World</i> , 2015, 8, 61-65.	1.7	10
54	Protective immunity against influenza virus challenge by norovirus P particle-M2e and HA2-AtCYN vaccines in chickens. <i>Vaccine</i> , 2019, 37, 6454-6462.	3.8	9

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55	Pig Sero-Survey and Farm Level Risk Factor Assessment for Japanese Encephalitis in Nepal. International Journal of Applied Sciences and Biotechnology, 2014, 2, 311-314.	0.8	9
56	Protective Efficacy of an Orf Virus-Vector Encoding the Hemagglutinin and the Nucleoprotein of Influenza A Virus in Swine. Frontiers in Immunology, 2021, 12, 747574.	4.8	8
57	Effect of an Adenovirus-Vectored Universal Influenza Virus Vaccine on Pulmonary Pathophysiology in a Mouse Model. Journal of Virology, 2021, 95, .	3.4	7
58	Sex biases in infectious diseases research. Journal of Experimental Medicine, 2022, 219, .	8.5	6
59	Assessment of pork handlers' knowledge and hygienic status of pig meat shops of Chitwan district focusing campylobacteriosis risk factors. International Journal of Infection and Microbiology, 2013, 2, 17-21.	0.3	5
60	Sero-Prevalence of Porcine Reproductive and Respiratory Syndrome (PRRS) in Pigs of Different Developmental Regions of Nepal. International Journal of Applied Sciences and Biotechnology, 2015, 3, 218-222.	0.8	5
61	Review of Poultry Production and Poultry Vaccine Manufacture in Nepal. Global Journal of Agricultural and Allied Sciences, 2021, 3, 1-7.	1.2	5
62	Comparative Advantage of Keyhole Right Flank Laparotomy and Ventral Midline Celiotomy for Ovariohysterectomy in Bitches. International Journal of Applied Sciences and Biotechnology, 2016, 4, 198-202.	0.8	4
63	Major Health Problems and Diseases of Street Dogs in Pokhara Valley, Nepal. International Journal of Applied Sciences and Biotechnology, 2016, 4, 53-56.	0.8	4
64	Epidemiology of African Swine Fever and Its Risk in Nepal. Microbiology Research, 2021, 12, 580-590.	1.9	3
65	Editorial: The Use of Nanoparticles in the Diagnosis and Therapy of Infectious Disease in Animals. Frontiers in Veterinary Science, 2021, 8, 829540.	2.2	3
66	Gut Microbiota of Obese Children Influences Inflammatory Mucosal Immune Pathways in the Respiratory Tract to Influenza Virus Infection: Optimization of an Ideal Duration of Microbial Colonization in a Gnotobiotic Pig Model. Microbiology Spectrum, 2022, 10, e0267421.	3.0	3
67	Prevalence of Demodectic Mange in Canines of Kathmandu Valley having Skin Disorder and Its Associated Risk Factors. International Journal of Applied Sciences and Biotechnology, 2015, 3, 459-463.	0.8	2
68	Risk Factors Associated with Avian Influenza Subtype H9 Outbreaks in Poultry Farms of Central Lowland Nepal. Infectious Disease Reports, 2022, 14, 525-536.	3.1	2
69	Coronaviruses in animals and humans, COVID-19 pandemic and one health approach. Applied Science and Technology Annals, 2020, 1, 187-193.	0.7	1
70	Seroprevalence of Trichinella Spp. in Pigs and Knowledge, Attitude and Practices of Pig Farmers of Eastern and Midwestern Regions of Nepal. International Journal of Applied Sciences and Biotechnology, 2015, 3, 402-407.	0.8	0
71	Short Communication: Bovine parainfluenza-3 antibodies in veal calves supplemented with cinnamaldehyde or lactoferrin. Applied Animal Science, 2020, 36, 118-123.	1.2	0
72	Dengue Virus Detection by Serological and Molecular Method in Different Hospitals of Nepal. Medical Journal of Shree Birendra Hospital, 2013, 11, 24-28.	0.0	0