

# Surinder S Chauhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7731668/publications.pdf>

Version: 2024-02-01

43  
papers

1,396  
citations

393982

19  
h-index

344852

36  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of heat stress on animal physiology, metabolism, and meat quality: A review. <i>Meat Science</i> , 2020, 162, 108025.	2.7	217
2	Dietary antioxidants at supranutritional doses improve oxidative status and reduce the negative effects of heat stress in sheep <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2014, 92, 3364-3374.	0.2	123
3	Resilience of Small Ruminants to Climate Change and Increased Environmental Temperature: A Review. <i>Animals</i> , 2020, 10, 867.	1.0	86
4	Antioxidant dynamics in the live animal and implications for ruminant health and product (meat/milk) quality: role of vitamin E and selenium. <i>Animal Production Science</i> , 2014, 54, 1525.	0.6	84
5	Amelioration of thermal stress impacts in dairy cows. <i>Animal Production Science</i> , 2013, 53, 965.	0.6	75
6	Impacts of heat stress on immune responses and oxidative stress in farm animals and nutritional strategies for amelioration. <i>International Journal of Biometeorology</i> , 2021, 65, 1231-1244.	1.3	71
7	Dietary antioxidants at supranutritional doses modulate skeletal muscle heat shock protein and inflammatory gene expression in sheep exposed to heat stress <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2014, 92, 4897-4908.	0.2	69
8	Postmortem glycolysis and glycogenolysis: insights from species comparisons. <i>Meat Science</i> , 2018, 144, 118-126.	2.7	61
9	High dietary vitamin E and selenium improves feed intake and weight gain of finisher lambs and maintains redox homeostasis under hot conditions. <i>Small Ruminant Research</i> , 2016, 137, 17-23.	0.6	52
10	Nutritional strategies to alleviate heat stress in pigs. <i>Animal Production Science</i> , 2015, 55, 1391.	0.6	49
11	Heat Stress Impacts on Lactating Cows Grazing Australian Summer Pastures on an Automatic Robotic Dairy. <i>Animals</i> , 2020, 10, 869.	1.0	49
12	Impacts of heat stress on meat quality and strategies for amelioration: a review. <i>International Journal of Biometeorology</i> , 2020, 64, 1613-1628.	1.3	47
13	Genetic Selection for Thermotolerance in Ruminants. <i>Animals</i> , 2019, 9, 948.	1.0	46
14	Heat Stress and Goat Welfare: Adaptation and Production Considerations. <i>Animals</i> , 2021, 11, 1021.	1.0	43
15	Artificial Intelligence Applied to a Robotic Dairy Farm to Model Milk Productivity and Quality based on Cow Data and Daily Environmental Parameters. <i>Sensors</i> , 2020, 20, 2975.	2.1	38
16	High dietary selenium and vitamin E supplementation ameliorates the impacts of heat load on oxidative status and acid-base balance in sheep <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2015, 93, 3342-3354.	0.2	32
17	Climate Change and Goat Production: Enteric Methane Emission and Its Mitigation. <i>Animals</i> , 2018, 8, 235.	1.0	30
18	Effects of a short-term supranutritional selenium supplementation on redox balance, physiology and insulin-related metabolism in heat-stressed pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 276-285.	1.0	23

#	ARTICLE	IF	CITATIONS
19	Comparison of a grain-based diet supplemented with synthetic vitamin E versus a lucerne (alfalfa) hay-based diet fed to lambs in terms of carcass traits, muscle vitamin E, fatty acid content, lipid oxidation, and retail colour of meat. <i>Meat Science</i> , 2019, 148, 105-112.	2.7	23
20	Glycolysis and pH Decline Terminate Prematurely in Oxidative Muscles despite the Presence of Excess Glycogen. <i>Meat and Muscle Biology</i> , 2019, 3, .	0.7	21
21	Non-Invasive Sheep Biometrics Obtained by Computer Vision Algorithms and Machine Learning Modeling Using Integrated Visible/Infrared Thermal Cameras. <i>Sensors</i> , 2020, 20, 6334.	2.1	18
22	Effect of slaughter age and post-mortem days on meat quality of longissimus and semimembranosus muscles of Boer goats. <i>Meat Science</i> , 2021, 175, 108466.	2.7	18
23	Potassium carbonate improves fresh pork quality characteristics. <i>Meat Science</i> , 2019, 156, 222-230.	2.7	15
24	Exhaled breath condensate hydrogen peroxide concentration, a novel biomarker for assessment of oxidative stress in sheep during heat stress. <i>Animal Production Science</i> , 2016, 56, 1105.	0.6	14
25	A Meta-Analysis of the Effectiveness of High, Medium, and Low Voltage Electrical Stimulation on the Meat Quality of Small Ruminants. <i>Foods</i> , 2020, 9, 1587.	1.9	13
26	Functionality and genomics of selenium and vitamin E supplementation in ruminants. <i>Animal Production Science</i> , 2016, 56, 1285.	0.6	12
27	Comparative Assessment of Thermotolerance in Dorper and Second-Cross (Poll Dorset/Merino $\times$ ) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	12
28	The Impact of Antioxidant Supplementation and Heat Stress on Carcass Characteristics, Muscle Nutritional Profile and Functionality of Lamb Meat. <i>Animals</i> , 2020, 10, 1286.	1.0	11
29	A short-term supranutritional vitamin E supplementation alleviated respiratory alkalosis but did not reduce oxidative stress in heat stressed pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 263-269.	2.4	7
30	Reducing the Fermentability of Wheat with a Starch Binding Agent Reduces Some of the Negative Effects of Heat Stress in Sheep. <i>Animals</i> , 2022, 12, 1396.	1.0	7
31	Comparison of grain-based diet supplemented with synthetic vitamin E and lucerne hay-based diet on blood oxidative stress biomarkers and lamb meat quality. <i>Small Ruminant Research</i> , 2019, 177, 146-152.	0.6	6
32	Towards Sustainable Livestock Production: Estimation of Methane Emissions and Dietary Interventions for Mitigation. <i>Sustainability</i> , 2021, 13, 6081.	1.6	6
33	Impact of heat stress on the growth performance and retail meat quality of 2nd cross (Poll) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	2.7	6
34	At physiological concentrations, AMP increases phosphofructokinase-1 activity compared to fructose 2, 6-bisphosphate in postmortem porcine skeletal muscle. <i>Meat Science</i> , 2021, 172, 108332.	2.7	4
35	Overview: Antioxidants: A $\alpha$ Higgs Boson $\alpha$ in Animal Health and Production. <i>Clinical Immunology, Endocrine and Metabolic Drugs</i> , 2015, 2, 6-7.	0.3	2
36	Effect of Grape Marc Added Diet on Live Weight Gain, Blood Parameters, Nitrogen Excretion, and Behaviour of Sheep. <i>Animals</i> , 2022, 12, 225.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Differences in Thermoregulatory Responses between Dorper and Second Cross Lambs to Heat Stress Challenges. Proceedings (mdpi), 2019, 36, 155.	0.2	1
38	Complete genome and phylogenetic analysis of bovine papillomavirus type 15 in Southern Xinjiang dairy cow. Journal of Veterinary Science, 2020, 21, e73.	0.5	1
39	Impact of Heatwaves on the Physiology and Retail Meat Quality of Lambs. Foods, 2022, 11, 414.	1.9	1
40	Adaptive and Productive Sheep Breed for Changing Climate. Proceedings (mdpi), 2020, 36, .	0.2	0
41	Nutritional Amelioration of Thermal Stress Impacts in Dairy Cows. , 2021, , 141-150.		0
42	Applications of Genetic Selection in Breeding for Thermo-Tolerance in Livestock. , 2021, , 185-194.		0
43	Effects of Heat Stress and Climate Change Induced Bushfires on Beef Meat Quality. , 2021, , 15-26.		0