

# Gokhlesh Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

1,522  
citations

361413

20  
h-index

361022

35  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1376  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of co-infections on fish: a review. <i>Veterinary Research</i> , 2016, 47, 98.	3.0	188
2	Transcriptome Analysis Based on RNA-Seq in Understanding Pathogenic Mechanisms of Diseases and the Immune System of Fish: A Comprehensive Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 245.	4.1	143
3	<i>Yersinia ruckeri</i> , the causative agent of enteric redmouth disease in fish. <i>Veterinary Research</i> , 2015, 46, 103.	3.0	132
4	<i>Aeromonas salmonicida</i> : updates on an old acquaintance. <i>Diseases of Aquatic Organisms</i> , 2016, 120, 49-68.	1.0	76
5	Shotgun proteomic analysis of <i>Yersinia ruckeri</i> strains under normal and iron-limited conditions. <i>Veterinary Research</i> , 2016, 47, 100.	3.0	42
6	Antibacterial and Dye Degradation Activity of Green Synthesized Iron Nanoparticles. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-6.	2.7	39
7	Isolation and characterization of outer membrane proteins of <i>Edwardsiella tarda</i> and its application in immunoassays. <i>Aquaculture</i> , 2007, 272, 98-104.	3.5	38
8	Quantitative proteomic profiling of immune responses to <i>Ichthyophthirius multifiliis</i> in common carp skin mucus. <i>Fish and Shellfish Immunology</i> , 2019, 84, 834-842.	3.6	36
9	Fate of <i>Tetracapsuloides bryosalmonae</i> (Myxozoa) after infection of brown trout <i>Salmo trutta</i> and rainbow trout <i>Oncorhynchus mykiss</i> . <i>Diseases of Aquatic Organisms</i> , 2013, 107, 9-18.	1.0	34
10	Vertical transmission of <i>Tetracapsuloides bryosalmonae</i> (Myxozoa), the causative agent of salmonid proliferative kidney disease. <i>Parasitology</i> , 2014, 141, 482-490.	1.5	31
11	Identification of differentially expressed genes of brown trout ( <i>Salmo trutta</i> ) and rainbow trout ( <i>Oncorhynchus mykiss</i> ) in response to <i>Tetracapsuloides bryosalmonae</i> (Myxozoa). <i>Parasitology Research</i> , 2015, 114, 929-939.	1.6	30
12	Persistence of <i>Tetracapsuloides bryosalmonae</i> (Myxozoa) in chronically infected brown trout <i>Salmo trutta</i> . <i>Diseases of Aquatic Organisms</i> , 2014, 111, 41-49.	1.0	28
13	Development of monoclonal antibodies to rohu [ <i>Labeo rohita</i> ] immunoglobulins for use in immunoassays. <i>Fish and Shellfish Immunology</i> , 2008, 25, 761-774.	3.6	26
14	Cytotoxicity, Removal of Congo Red Dye in Aqueous Solution Using Synthesized Amorphous Iron Oxide Nanoparticles from Incense Sticks Ash Waste. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-12.	2.7	26
15	<i>Tetracapsuloides bryosalmonae</i> persists in brown trout <i>Salmo trutta</i> for five years post exposure. <i>Diseases of Aquatic Organisms</i> , 2018, 127, 151-156.	1.0	25
16	Quantitative shotgun proteomics distinguishes wound-healing biomarker signatures in common carp skin mucus in response to <i>Ichthyophthirius multifiliis</i> . <i>Veterinary Research</i> , 2018, 49, 37.	3.0	24
17	The Malacosporean Myxozoan Parasite <i>Tetracapsuloides bryosalmonae</i> : A Threat to Wild Salmonids. <i>Pathogens</i> , 2020, 9, 16.	2.8	24
18	In vitro antimicrosporidial activity of gold nanoparticles against <i>Heterosporis saurida</i> . <i>BMC Veterinary Research</i> , 2016, 12, 44.	1.9	22

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19	Differential modulation of host immune genes in the kidney and cranium of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) in response to <i>Tetracapsuloides bryosalmonae</i> and <i>Myxobolus cerebralis</i> co-infections. <i>Parasites and Vectors</i> , 2018, 11, 326.	2.5	21
20	Global popularization of CuNiO <sub>2</sub> and their rGO nanocomposite loveabled to the photocatalytic properties of methylene blue. <i>Environmental Research</i> , 2022, 204, 112338.	7.5	21
21	Establishment of medium for laboratory cultivation and maintenance of <i>Fredericella sultana</i> for <i>in vivo</i> experiments with <i>Tetracapsuloides bryosalmonae</i> ( <i>Myxozoa</i> ). <i>Journal of Fish Diseases</i> , 2013, 36, 81-88.	1.9	20
22	Differential modulation of host genes in the kidney of brown trout <i>Salmo trutta</i> during sporogenesis of <i>Tetracapsuloides bryosalmonae</i> ( <i>Myxozoa</i> ). <i>Veterinary Research</i> , 2014, 45, 101.	3.0	20
23	Transcriptome profiling of posterior kidney of brown trout, <i>Salmo trutta</i> , during proliferative kidney disease. <i>Parasites and Vectors</i> , 2019, 12, 569.	2.5	20
24	Synthesis and effective performance of Photocatalytic and Antimicrobial activities of <i>Bauhinia tomentosa</i> Linn plants using of gold nanoparticles. <i>Optical Materials</i> , 2022, 123, 111945.	3.6	20
25	Koi Herpes Virus: A Review and Risk Assessment of Indian Aquaculture. <i>Indian Journal of Virology: an Official Organ of Indian Virological Society</i> , 2012, 23, 124-133.	0.7	19
26	Novel Chlamydiales associated with epitheliocystis in grass carp ( <i>Ctenopharyngodon idella</i> ). <i>Veterinary Record</i> , 2013, 172, 47-47.	0.3	19
27	Development of Fish Parasite Vaccines in the OMICs Era: Progress and Opportunities. <i>Vaccines</i> , 2021, 9, 179.	4.4	19
28	Proteome analysis reveals a role of rainbow trout lymphoid organs during <i>Yersinia ruckeri</i> infection process. <i>Scientific Reports</i> , 2018, 8, 13998.	3.3	18
29	Proteome Profiles of Head Kidney and Spleen of Rainbow Trout ( <i>Oncorhynchus Mykiss</i> ). <i>Proteomics</i> , 2018, 18, e1800101.	2.2	18
30	<i>In Vitro</i> Gene Silencing of the Fish Microsporidian <i>Heterosporis saurida</i> by RNA Interference. <i>Nucleic Acid Therapeutics</i> , 2016, 26, 250-256.	3.6	17
31	Global proteomic profiling of <i>Yersinia ruckeri</i> strains. <i>Veterinary Research</i> , 2017, 48, 55.	3.0	16
32	Proteomic analysis of outer membrane proteins of <i>Edwardsiella tarda</i> . <i>Journal of Applied Microbiology</i> , 2009, 108, no-no.	3.1	15
33	Outer membrane protein assembly factor <i>YaeT</i> ( <i>omp85</i> ) and <i>GroEL</i> proteins of <i>Edwardsiella tarda</i> are immunogenic antigens for <i>Labeo rohita</i> ( <i>Hamilton</i> ). <i>Journal of Fish Diseases</i> , 2014, 37, 1055-1059.	1.9	15
34	In vitro investigations on extracellular proteins secreted by <i>Aphanomyces invadans</i> , the causative agent of epizootic ulcerative syndrome. <i>Acta Veterinaria Scandinavica</i> , 2017, 59, 78.	1.6	15
35	The impact of <i>Tetracapsuloides bryosalmonae</i> and <i>Myxobolus cerebralis</i> co-infections on pathology in rainbow trout. <i>Parasites and Vectors</i> , 2017, 10, 442.	2.5	15
36	Identification and Expression Profiling of Toll-Like Receptors of Brown Trout ( <i>Salmo trutta</i> ) during Proliferative Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3755.	4.1	15

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37	Realization of rGO/ZnCo <sub>2</sub> O <sub>4</sub> nanocomposites enhanced for the antimicrobial, electrochemical and photocatalytic activities. <i>Diamond and Related Materials</i> , 2021, 120, 108677.	3.9	15
38	Editing the genome of <i>Aphanomyces invadans</i> using CRISPR/Cas9. <i>Parasites and Vectors</i> , 2018, 11, 554.	2.5	14
39	Experimental and Computational Approaches for the Structural Study of Novel Ca-Rich Zeolites from Inense Stick Ash and Their Application for Wastewater Treatment. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-12.	3.2	14
40	Recombinase polymerase amplification assay combined with a lateral flow dipstick for rapid detection of <i>Tetracapsuloides bryosalmonae</i> , the causative agent of proliferative kidney disease in salmonids. <i>Parasites and Vectors</i> , 2018, 11, 234.	2.5	13
41	Modulation of posterior intestinal mucosal proteome in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after <i>Yersinia ruckeri</i> infection. <i>Veterinary Research</i> , 2019, 50, 54.	3.0	12
42	Proteomics for understanding pathogenesis, immune modulation and host pathogen interactions in aquaculture. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 32, 100625.	1.0	12
43	Production of monoclonal antibodies specific to major outer membrane protein of <i>Edwardsiella tarda</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2010, 33, 133-144.	1.6	11
44	Interaction of <i>Tetracapsuloides bryosalmonae</i> , the causative agent of proliferative kidney disease, with host proteins in the kidney of <i>Salmo trutta</i> . <i>Parasitology Research</i> , 2015, 114, 1721-1727.	1.6	11
45	Remediation of Azure A Dye from Aqueous Solution by Using Surface-Modified Coal Fly Ash Extracted Ferrospheres by Mineral Acids and Toxicity Assessment. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	10
46	Structural integrity and viability of <i>Fredericella sultana</i> statoblasts infected with <i>Tetracapsuloides bryosalmonae</i> (Myxozoa) under diverse treatment conditions. <i>Veterinary Research</i> , 2017, 48, 19.	3.0	9
47	First transcriptome analysis of bryozoan <i>Fredericella sultana</i> , the primary host of myxozoan parasite <i>Tetracapsuloides bryosalmonae</i> . <i>PeerJ</i> , 2020, 8, e9027.	2.0	9
48	New designing (NH <sub>4</sub> ) <sub>2</sub> SiP <sub>4</sub> O <sub>13</sub> nanowires and effective photocatalytic degradation of Malachite green and antimicrobial properties. <i>Chemical Physics Letters</i> , 2022, 803, 139817.	2.6	9
49	<i>In vitro</i> cultivation model for <i>Heterosporis saurida</i> (Microsporidia) isolated from lizardfish, <i>Saurida undosquamis</i> (Richardson). <i>Journal of Fish Diseases</i> , 2014, 37, 443-449.	1.9	8
50	Kinetics of local and systemic immune cell responses in whirling disease infection and resistance in rainbow trout. <i>Parasites and Vectors</i> , 2019, 12, 249.	2.5	8
51	Use of <i>in vivo</i> induced antigen technology to identify genes from <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> that are specifically expressed during infection of the rainbow trout <i>Oncorhynchus mykiss</i> . <i>BMC Veterinary Research</i> , 2014, 10, 298.	1.9	7
52	Morphological and Molecular Characterization of a New Myxozoan, <i>Myxobolus grassi</i> sp. nov. (Myxosporea), Infecting the Grass Carp, <i>Ctenopharyngodon idella</i> in the Gomti River, India. <i>Pathogens</i> , 2022, 11, 303.	2.8	7
53	New orchestrated of X-CuTiAP (en, trien, ETA and DMA) nanospheres with enhanced photocatalytic and antimicrobial activities. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 110, 503-519.	5.8	7
54	<i>Tetracapsuloides bryosalmonae</i> infection affects the expression of genes involved in cellular signal transduction and iron metabolism in the kidney of the brown trout <i>Salmo trutta</i> . <i>Parasitology Research</i> , 2015, 114, 2301-2308.	1.6	6

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55	Co-Infection of Infectious Hypodermal and Hematopoietic Necrosis Virus (IHHNV) and White Spot Syndrome Virus (WSSV) in the Wild Crustaceans of Andaman and Nicobar Archipelago, India. <i>Viruses</i> , 2021, 13, 1378.	3.3	6
56	In vitro growth of the microsporidian <i>Heterosporis saurida</i> in the eel kidney EK-1 cell line. <i>Diseases of Aquatic Organisms</i> , 2014, 108, 37-44.	1.0	5
57	Development of a novel in vitro method for drug development for fish; application to test efficacy of antimicrosporidian compounds. <i>Veterinary Record</i> , 2014, 175, 561-561.	0.3	5
58	Data of de novo transcriptome assembly of the myxozoan parasite <i>Tetracapsuloides bryosalmonae</i> . <i>Data in Brief</i> , 2021, 35, 106831.	1.0	5
59	Transcriptome Analysis Elucidates the Key Responses of Bryozoan <i>Fredericella sultana</i> during the Development of <i>Tetracapsuloides bryosalmonae</i> (Myxozoa). <i>International Journal of Molecular Sciences</i> , 2020, 21, 5910.	4.1	4
60	New development and photocatalytic performance and antimicrobial activity of $\text{TiO}_2\text{-NH}_4(\text{VO}_2)(\text{HPO}_4)$ nanosheets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121250.	3.9	4
61	Genome-wide alternative splicing profile in the posterior kidney of brown trout ( <i>Salmo trutta</i> ) during proliferative kidney disease. <i>BMC Genomics</i> , 2022, 23, .	2.8	4
62	Haloperidol alters the behavioral, hematological and biochemical parameters of freshwater African catfish, <i>Clarias gariepinus</i> (Burchell 1822). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 254, 109292.	2.6	3
63	Synergistic Effect of Conventional Medicinal Herbs against Different Pharmacological Activity. <i>BioMed Research International</i> , 2022, 2022, 1-7.	1.9	3
64	Kinetics of Parasite-Specific Antibody and B-Cell-Associated Gene Expression in Brown Trout, <i>Salmo trutta</i> during Proliferative Kidney Disease. <i>Biology</i> , 2021, 10, 1244.	2.8	2