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Snapshot of the Research Publications from the Department of Biological Sciences, University of Arkansas, 2019-2022

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Snapshot of the Research Publications from the Department of Biological Sciences, University of Arkansas, 2019-2022.

Overview

Researchers (faculty, staff, and students) from the Department of Biological Sciences authored 480 publications over 4 years, 2019-2022. These publications were collected from Web of Science, and other databases including Medline, Zoological Records (see Table 1).

Records

- 471 of these 480 publications (98.1%) were found in the [Web of Science Core collection](#). These publications have been cited 3946 times (including self-citations) with an average of 8.378 citations per publication and a h-index of 25. H-Index indicates that the authors have published at least 25 papers that were cited 25 or more times.
- 9 of these 480 publications (1.9%) were not found in Web of Science. No citation information is available for these publications.

Table 1: Material Type by Publication Year (All Publications)						
All	2019	2020	2021	2022	Total	%
Articles †	88	119	122	106	435	90.6
Book Chapters ‡	3	2	1	0	6	1.3
Meeting Abstracts	7	12	13	1	33	6.9
Preprint	1	0	0	0	1	0.2
Patent	4	0	0	0	4	0.8
Book Review	0	1	0	0	1	0.2
Total	103	134	136	107	480	100.0

† Articles contain materials of the following type:
Article, Review, Editorial Material, Correction, and Biographical Item.

‡ Book Chapters contain materials of the following type:
Chapter, and Proceedings Paper

Analyses of Author Information (Table 2)

The 471 publications have 159 authors associated with the department.

- 48 Faculty have 374 publications (79.4%) with an average of 7.79 publications each.
- 68 Graduate Students have 133 publications (28.2%) with an average of 1.96 publications each.
- 15 Post Doctoral researchers have 66 publications (14.0%) with an average of 4.40 publications each.
- 11 Staff members have 39 publications (8.3%) with an average of 3.55 publications each.
- 5 Undergraduate Students have 5 publications (1.1%) with an average of 1.00 publication each.

Most publications (374/471, 79.4%) include at least 1 faculty author from the BISC department.

- 333 Publications have 1 faculty author.
- 40 Publications have 2 faculty authors.
- 1 Publication has 3 faculty authors.

Some publications (97/471, 20.6%) do not include a faculty author.

- 37 Publications have Graduate Student.
- 34 Publications have Post Doctoral researchers.
- 15 Publications have Staff authors.
- 2 Publications have Undergraduate Students.
- 11 Publications have Unspecified authors.

Table 2: Summary of Publications by Author Type (All Publications)					
All	Faculty	Graduate Student	Post Doc	Staff	UG Student
Unique Authors	48	68	15	11	5
# of Publications	374	133	66	39	5
Average Pub / Authors	7.79	1.96	4.40	3.55	1.00
Articles †	338	123	57	36	4
Book Chapters ‡	4	2	0	1	0
Meeting Abstracts	32	8	8	2	1

Citation information is available for publications found in the Web of Science database (Table 3).

- 432 out of 471 publications are Articles (91.7%).
They were cited 3897 times with an average of 9.021 citations per Article.
- 5 out of 471 publications are Book Chapters (1.1%).
They were cited 48 times with an average of 9.600 citations per Book Chapter.
- 33 out of 471 publications are Meeting Abstracts (7.0%).

Table 3: Summary of Material Type by Publication Year (WoS Publications)								
WoS	Year				Publications		Citations	
	2019	2020	2021	2022	#	%	#	μ
Articles †	87	119	120	106	432	91.7	3897	9.021
Book Chapters ‡	2	2	1	0	5	1.1	48	9.600
Meeting Abstracts	7	12	13	1	33	7.0	1	0.030
Preprint	0	0	0	0	0	0.0	0	0.000
Patent	0	0	0	0	0	0.0	0	0.000
Book Review	0	1	0	0	1	0.2	0	0.000
Total	96	134	134	107	471	100.0	3946	8.378

Journal Citation Ranking of Journals in which the Researchers Published

Most of the publications (91.7%) were to articles, so the journals in which they published were ranked using the [Journal Citation Reports](#) (JCR)

JCR is a database produced by Clarivate Analytics that provides impact factors and rankings of over 12,000 journals from over 3,300 publishers. The impact factor of a journal is calculated based on the number of citations in 2022 to items published in 2020 and 2021 divided by the number of citable items in 2020 and 2021. It offers a range of items for a particular journal including impact factor, total cites, total articles, and immediacy index. It also provides a five-year impact factor and visualized trend data.

In this database, journals are assigned to broad subject categories. Quartile ranks within each category are assigned based on the Journal Impact Factor (JIF) of each journal. It is important to remember that the JIF should only be used to compare journals within a category and never between categories.

Characteristics of the Journals in JCR:

Overall, 480 publications were found in 274 unique titles. Of these unique titles, 253 (92.3 percent) of them accounting for 413 (94.9 percent) of the publications are indexed in JCR (Table 4).

Observation: The department is publishing articles in high-impact journals.

Tables 4 below provide a summary for the quartile assigned to the journals.

- 168 (40.7%) of their publications in 107 unique journals ranked within the first quartile of categories assigned to the journals.
- 141 (34.1%) of their publications in 77 unique journals ranked in the second quartile.
- 56 (13.6%) of their publications in 41 journals and ranked in the third quartile.
- 48 (11.6%) of their publications in 28 journals are ranked in the fourth quartile.

Table 4: Characteristics of Publications in JCR				
2019-2022	Publication Titles		Article	
Articles	#	%	#	%
Indexed	253	92.3	413	94.9
Q1	107	42.3	168	40.7
Q2	77	30.4	141	34.1
Q3	41	16.2	56	13.6
Q4	28	11.1	48	11.6

Table 5 lists the journals in which BISC faculty/researchers published, the number of articles BISC faculty/researchers published in each journal and the categories and ranks assigned to them in JCR.

A journal in JCR may be assigned to multiple categories. The quartile ranking in each category may differ due to different citation patterns within each area of study. For example, ACS Applied Energy Materials is assigned to three categories, namely: Materials Science, Multidisciplinary; Chemistry, Physical; and Energy & Fuels. This journal is ranked in Q1 in the first category and Q2 in the second and third categories. **The journals are grouped in the tables below based on the highest rank assigned to the journal.**

How to read the table: BISC researchers published 1 paper in ACS Applied Materials & Interfaces (1st row of Q1 Table). Within the first category assigned to this journal, *Materials Science, Multidisciplinary*, the journal is ranked 50th out of the 346 journals in this category and this places the journal in the first quartile (Q1) of this category. ACS Applied

Materials & Interfaces is also assigned to the category Nanoscience & Nanotechnology. The journal is ranked 24th out of 110 journals in this category and this places the journal in the first quartile (Q1) as well.

Table 5: Journals in which BISC Faculty Published and JCR Ranking, 2017-2020 (Q1 highest, Q4, lowest)

JCR Q1 Journals [as Highest Ranking]		
Journal Title	No. of Articles	Categories/Rank
ACS Applied Materials & Interfaces	1	MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE (Q1, 50/346) NANOSCIENCE & NANOTECHNOLOGY - SCIE (Q1, 24/110)
ACS Sensors	1	CHEMISTRY, ANALYTICAL - SCIE (Q1, 5/87) CHEMISTRY, MULTIDISCIPLINARY - SCIE (Q1, 27/180) NANOSCIENCE & NANOTECHNOLOGY - SCIE (Q1, 27/110)
American Journal of Pathology	1	PATHOLOGY - SCIE (Q1, 12/77)
American Journal of Physiology-Cell Physiology	1	PHYSIOLOGY - SCIE (Q1, 14/81) CELL BIOLOGY - SCIE (Q2, 85/195)
Animal Behaviour	2	ZOOLOGY - SCIE (Q1, 18/177) BEHAVIORAL SCIENCES - SCIE (Q3, 32/53)
Animal Conservation	1	BIODIVERSITY CONSERVATION - SCIE (Q1, 12/65) ECOLOGY - SCIE (Q2, 49/174)
Animals	2	VETERINARY SCIENCES - SCIE (Q1, 16/145) AGRICULTURE, DAIRY & ANIMAL SCIENCE - SCIE (Q1, 14/63)
Annals of Botany	1	PLANT SCIENCES - SCIE (Q1, 35/240)
Antimicrobial Agents and Chemotherapy	2	PHARMACOLOGY & PHARMACY - SCIE (Q1, 51/279) MICROBIOLOGY - SCIE (Q2, 36/138)
Applied Animal Behaviour Science	1	VETERINARY SCIENCES - SCIE (Q1, 33/145) AGRICULTURE, DAIRY & ANIMAL SCIENCE - SCIE (Q2, 20/63) BEHAVIORAL SCIENCES - SCIE (Q3, 37/53)
Aquatic Conservation-Marine and Freshwater Ecosystems	2	MARINE & FRESHWATER BIOLOGY - SCIE (Q1, 19/113) WATER RESOURCES - SCIE (Q2, 46/103) ENVIRONMENTAL SCIENCES - SCIE (Q3, 160/279)
Auk	1	ORNITHOLOGY - SCIE (Q1, 5/31)
Biology-Basel	1	BIOLOGY - SCIE (Q1, 21/94)
Bioscience	1	BIOLOGY - SCIE (Q1, 2/94)
Botanical Review	1	PLANT SCIENCES - SCIE (Q1, 44/240)
CBE-Life Sciences Education	1	EDUCATION, SCIENTIFIC DISCIPLINES - SCIE (Q1, 8/44)
Cell	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 2/297) CELL BIOLOGY - SCIE (Q1, 3/195)
Conservation Biology	1	BIODIVERSITY CONSERVATION - SCIE (Q1, 3/65) ECOLOGY - SCIE (Q1, 13/174) ENVIRONMENTAL SCIENCES - SCIE (Q1, 44/279)
Current Opinion in Insect Science	1	ENTOMOLOGY - SCIE (Q1, 4/100) ECOLOGY - SCIE (Q1, 35/174) BIOLOGY - SCIE (Q1, 20/94)
Current Zoology	1	ZOOLOGY - SCIE (Q1, 28/177)
Developmental Cell	1	DEVELOPMENTAL BIOLOGY - SCIE (Q1, 2/40) CELL BIOLOGY - SCIE (Q1, 21/195)
Ecological Applications	2	ECOLOGY - SCIE (Q1, 26/174) ENVIRONMENTAL SCIENCES - SCIE (Q1, 69/279)

Ecological Indicators	2	ENVIRONMENTAL SCIENCES - SCIE (Q1, 67/279)
Ecology	2	ECOLOGY - SCIE (Q1, 23/174)
Ecology Letters	2	ECOLOGY - SCIE (Q1, 7/174)
Elife	1	BIOLOGY - SCIE (Q1, 8/94)
Emerging Infectious Diseases	2	IMMUNOLOGY - SCIE (Q1, 14/163) INFECTIOUS DISEASES - SCIE (Q1, 10/96)
Environmental Pollution	2	ENVIRONMENTAL SCIENCES - SCIE (Q1, 28/279)
Evolutionary Applications	2	EVOLUTIONARY BIOLOGY - SCIE (Q1, 13/52)
Fisheries	1	FISHERIES - SCIE (Q1, 11/54)
Food Control	1	FOOD SCIENCE & TECHNOLOGY - SCIE (Q1, 20/144)
Forest Ecology and Management	1	FORESTRY - SCIE (Q1, 7/70)
Freshwater Biology	3	MARINE & FRESHWATER BIOLOGY - SCIE (Q1, 17/113) ECOLOGY - SCIE (Q2, 67/174)
Frontiers in Bioengineering and Biotechnology	2	MULTIDISCIPLINARY SCIENCES - SCIE (Q1, 16/74)
Frontiers in Cellular and Infection Microbiology	1	MICROBIOLOGY - SCIE (Q1, 34/138) IMMUNOLOGY - SCIE (Q2, 54/163)
Frontiers in Endocrinology	1	ENDOCRINOLOGY & METABOLISM - SCIE (Q1, 35/148)
Frontiers in Immunology	2	IMMUNOLOGY - SCIE (Q1, 36/163)
Frontiers in Marine Science	2	MARINE & FRESHWATER BIOLOGY - SCIE (Q1, 6/113)
Frontiers in Microbiology	4	MICROBIOLOGY - SCIE (Q1, 35/138)
Frontiers in Physiology	2	PHYSIOLOGY - SCIE (Q1, 20/81)
Frontiers in Plant Science	1	PLANT SCIENCES - SCIE (Q1, 21/240)
Frontiers in Zoology	1	ZOOLOGY - SCIE (Q1, 12/177)
Functional Ecology	1	ECOLOGY - SCIE (Q1, 25/174)
Fungal Biology Reviews	1	MYCOLOGY - SCIE (Q1, 6/30)
Geoderma	1	SOIL SCIENCE - SCIE (Q1, 4/39)
Global Ecology and Conservation	2	BIODIVERSITY CONSERVATION - SCIE (Q1, 16/65) ECOLOGY - SCIE (Q2, 60/174)
Herpetologica	2	ZOOLOGY - SCIE (Q1, 31/177)
Industrial Crops and Products	1	AGRONOMY - SCIE (Q1, 6/90) AGRICULTURAL ENGINEERING - SCIE (Q1, 2/14)
Insect Biochemistry and Molecular Biology	1	ENTOMOLOGY - SCIE (Q1, 9/100) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q2, 138/297)
Insect Conservation and Diversity	1	ENTOMOLOGY - SCIE (Q1, 10/100)
Insects	1	ENTOMOLOGY - SCIE (Q1, 17/100)
Integrative and Comparative Biology	2	ZOOLOGY - SCIE (Q1, 11/177)
International Journal of Molecular Sciences	4	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 69/297) CHEMISTRY, MULTIDISCIPLINARY - SCIE (Q2, 51/180)
ISME Journal	1	ECOLOGY - SCIE (Q1, 8/174) MICROBIOLOGY - SCIE (Q1, 17/138)
Journal of Animal Ecology	4	ZOOLOGY - SCIE (Q1, 4/177) ECOLOGY - SCIE (Q1, 30/174)
Journal of Applied Ecology	2	BIODIVERSITY CONSERVATION - SCIE (Q1, 6/65) ECOLOGY - SCIE (Q1, 18/174)
Journal of Avian Biology	1	ORNITHOLOGY - SCIE (Q1, 7/31)
Journal of Biogeography	1	GEOGRAPHY, PHYSICAL - SCIE (Q1, 9/50) ECOLOGY - SCIE (Q1, 42/174)
Journal of Clinical Microbiology	1	MICROBIOLOGY - SCIE (Q1, 16/138)

Journal of Comparative Physiology A- Neuroethology Sensory Neural and Behavioral Physiology	1	ZOOLOGY - SCIE (Q1, 40/177) BEHAVIORAL SCIENCES - SCIE (Q3, 38/53) PHYSIOLOGY - SCIE (Q3, 59/81) NEUROSCIENCES - SCIE (Q4, 228/275)
Journal of Environmental Chemical Engineering	1	ENGINEERING, CHEMICAL - SCIE (Q1, 20/143) ENGINEERING, ENVIRONMENTAL - SCIE (Q1, 13/55)
Journal of Environmental Management	1	ENVIRONMENTAL SCIENCES - SCIE (Q1, 34/279)
Journal of Fungi	7	MYCOLOGY - SCIE (Q1, 7/30) MICROBIOLOGY - SCIE (Q2, 41/138)
Journal of Geophysical Research- Biogeosciences	1	GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q1, 50/203) ENVIRONMENTAL SCIENCES - SCIE (Q2, 107/279)
Journal of Lipid Research	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 60/297)
Journal of Marine Science and Engineering	1	ENGINEERING, MARINE - SCIE (Q1, 4/16) OCEANOGRAPHY - SCIE (Q2, 26/66) ENGINEERING, OCEAN - SCIE (Q2, 8/16)
Journal of Organic Chemistry	1	CHEMISTRY, ORGANIC - SCIE (Q1, 13/57)
Journal of Phycology	2	MARINE & FRESHWATER BIOLOGY - SCIE (Q1, 21/113) PLANT SCIENCES - SCIE (Q2, 77/240)
Journal of Proteome Research	1	BIOCHEMICAL RESEARCH METHODS - SCIE (Q1, 16/79)
Journal of the American Chemical Society	1	CHEMISTRY, MULTIDISCIPLINARY - SCIE (Q1, 17/180)
Journal of the American Medical Informatics Association	1	HEALTH CARE SCIENCES & SERVICES - SCIE (Q1, 6/109) COMPUTER SCIENCE, INFORMATION SYSTEMS - SCIE (Q1, 18/164) INFORMATION SCIENCE & LIBRARY SCIENCE - SSCI (Q1, 10/85) MEDICAL INFORMATICS - SCIE (Q1, 4/31) COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS - SCIE (Q1, 15/112)
Journal of Thermal Biology	2	ZOOLOGY - SCIE (Q1, 14/177) BIOLOGY - SCIE (Q2, 43/94)
Journal of Wildlife Management	2	ZOOLOGY - SCIE (Q1, 32/177) ECOLOGY - SCIE (Q3, 98/174)
Lancet Microbe	2	MICROBIOLOGY - SCIE (Q1, 2/138) INFECTIOUS DISEASES - SCIE (Q1, 2/96)
Limnology and Oceanography	1	OCEANOGRAPHY - SCIE (Q1, 4/66) LIMNOLOGY - SCIE (Q1, 3/21)
Limnology and Oceanography Letters	1	OCEANOGRAPHY - SCIE (Q1, 2/66) LIMNOLOGY - SCIE (Q1, 1/21)
Methods in Ecology and Evolution	2	ECOLOGY - SCIE (Q1, 11/174)
Microbiology Spectrum	1	MICROBIOLOGY - SCIE (Q1, 21/138)
Molecular & Cellular Proteomics	1	BIOCHEMICAL RESEARCH METHODS - SCIE (Q1, 7/79)
Molecular Biology and Evolution	2	GENETICS & HEREDITY - SCIE (Q1, 17/177) EVOLUTIONARY BIOLOGY - SCIE (Q1, 6/52) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 39/297)
Molecular Ecology	4	ECOLOGY - SCIE (Q1, 20/174) EVOLUTIONARY BIOLOGY - SCIE (Q1, 8/52) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 62/297)
Molecular Ecology Resources	1	ECOLOGY - SCIE (Q1, 10/174) EVOLUTIONARY BIOLOGY - SCIE (Q1, 7/52) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 43/297)
Molecular Phylogenetics and Evolution	1	GENETICS & HEREDITY - SCIE (Q1, 40/177) EVOLUTIONARY BIOLOGY - SCIE (Q1, 12/52)

		BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q2, 109/297)
Movement Ecology	1	ECOLOGY - SCIE (Q1, 36/174)
Mycosphere	1	MYCOLOGY - SCIE (Q1, 3/30)
Nature Communications	1	MULTIDISCIPLINARY SCIENCES - SCIE (Q1, 6/74)
New Phytologist	2	PLANT SCIENCES - SCIE (Q1, 9/240)
Philosophical Transactions of the Royal Society B-Biological Sciences	2	BIOLOGY - SCIE (Q1, 14/94)
Physiological and Biochemical Zoology	3	ZOOLOGY - SCIE (Q1, 44/177) PHYSIOLOGY - SCIE (Q4, 62/81)
PLOS Biology	1	BIOLOGY - SCIE (Q1, 6/94) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q1, 32/297)
PLOS Medicine	1	MEDICINE, GENERAL & INTERNAL - SCIE (Q1, 22/172)
Poultry Science	5	AGRICULTURE, DAIRY & ANIMAL SCIENCE - SCIE (Q1, 8/63)
Proceedings of the National Academy of Sciences of the United States of America	4	MULTIDISCIPLINARY SCIENCES - SCIE (Q1, 9/74)
Proceedings of the Royal Society B-Biological Sciences	3	ECOLOGY - SCIE (Q1, 31/174) EVOLUTIONARY BIOLOGY - SCIE (Q1, 10/52) BIOLOGY - SCIE (Q1, 19/94)
Science Advances	2	MULTIDISCIPLINARY SCIENCES - SCIE (Q1, 7/74)
Science of the Total Environment	5	ENVIRONMENTAL SCIENCES - SCIE (Q1, 26/279)
Seminars in Cell & Developmental Biology	2	DEVELOPMENTAL BIOLOGY - SCIE (Q1, 5/40) CELL BIOLOGY - SCIE (Q2, 53/195)
Systematic Biology	1	EVOLUTIONARY BIOLOGY - SCIE (Q1, 5/52)
Toxins	2	TOXICOLOGY - SCIE (Q1, 20/94) FOOD SCIENCE & TECHNOLOGY - SCIE (Q2, 40/144)
Trends in Ecology & Evolution	2	ECOLOGY - SCIE (Q1, 2/174) GENETICS & HEREDITY - SCIE (Q1, 5/177) EVOLUTIONARY BIOLOGY - SCIE (Q1, 2/52)
Water Research	1	WATER RESOURCES - SCIE (Q1, 4/103) ENVIRONMENTAL SCIENCES - SCIE (Q1, 15/279) ENGINEERING, ENVIRONMENTAL - SCIE (Q1, 7/55)
Water Resources Research	1	LIMNOLOGY - SCIE (Q1, 2/21) WATER RESOURCES - SCIE (Q1, 16/103) ENVIRONMENTAL SCIENCES - SCIE (Q1, 68/279)

JCR Q2 Journals [as Highest Ranking]

Journal Title	No. of Articles	Categories/Rank
ACS Chemical Biology	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q2, 130/297)
Advanced Therapeutics	1	PHARMACOLOGY & PHARMACY - SCIE (Q2, 78/279)
American Journal of Botany	5	PLANT SCIENCES - SCIE (Q2, 73/240)
American Museum Novitates	2	ZOOLOGY - SCIE (Q2, 75/177) BIODIVERSITY CONSERVATION - SCIE (Q3, 42/65)
American Naturalist	5	ECOLOGY - SCIE (Q2, 50/174) EVOLUTIONARY BIOLOGY - SCIE (Q2, 16/52)
Applied and Environmental Microbiology	2	BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q2, 48/161) MICROBIOLOGY - SCIE (Q2, 54/138)
Applied Soil Ecology	1	SOIL SCIENCE - SCIE (Q2, 10/39)
Aquatic Biology	1	MARINE & FRESHWATER BIOLOGY - SCIE (Q2, 55/113)
Behaviour	1	ZOOLOGY - SCIE (Q2, 79/177) BEHAVIORAL SCIENCES - SCIE (Q4, 49/53)
Behavioural Processes	1	ZOOLOGY - SCIE (Q2, 74/177) PSYCHOLOGY, BIOLOGICAL - SSCI (Q4, 11/14) BEHAVIORAL SCIENCES - SCIE (Q4, 48/53)
Biological Invasions	3	BIODIVERSITY CONSERVATION - SCIE (Q2, 17/65) ECOLOGY - SCIE (Q2, 65/174)
Biology Letters	2	BIOLOGY - SCIE (Q2, 29/94) ECOLOGY - SCIE (Q2, 61/174) EVOLUTIONARY BIOLOGY - SCIE (Q2, 20/52)
Biophysical Journal	1	BIOPHYSICS - SCIE (Q2, 30/72)
Bioprocess and Biosystems Engineering	1	ENGINEERING, CHEMICAL - SCIE (Q2, 68/143) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q2, 79/161)
BMC Bioinformatics	2	MATHEMATICAL & COMPUTATIONAL BIOLOGY - SCIE (Q2, 20/57) BIOCHEMICAL RESEARCH METHODS - SCIE (Q2, 36/79) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q3, 87/161)
BMC Evolutionary Biology	1	EVOLUTIONARY BIOLOGY - SCIE (Q2, 25/52) GENETICS & HEREDITY - SCIE (Q3, 90/177)
BMC Genomics	2	GENETICS & HEREDITY - SCIE (Q2, 52/177) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q2, 55/161)
BMC Microbiology	1	MICROBIOLOGY - SCIE (Q2, 61/138)
Botanical Journal of the Linnean Society	2	PLANT SCIENCES - SCIE (Q2, 90/240)
Cells	3	CELL BIOLOGY - SCIE (Q2, 51/195)
Cereal Chemistry	1	CHEMISTRY, APPLIED - SCIE (Q2, 34/73) FOOD SCIENCE & TECHNOLOGY - SCIE (Q3, 98/144)
Conservation Physiology	1	BIODIVERSITY CONSERVATION - SCIE (Q2, 20/65) PHYSIOLOGY - SCIE (Q2, 33/81) ECOLOGY - SCIE (Q2, 73/174) ENVIRONMENTAL SCIENCES - SCIE (Q3, 161/279)
Copeia	1	ZOOLOGY - SCIE (Q2, 66/177)
Diversity-Basel	2	BIODIVERSITY CONSERVATION - SCIE (Q2, 25/65) ECOLOGY - SCIE (Q2, 83/174)
Ecological Entomology	2	ENTOMOLOGY - SCIE (Q2, 36/100)
Ecological Informatics	1	ECOLOGY - SCIE (Q2, 45/174)

Ecology and Evolution	11	ECOLOGY - SCIE (Q2, 76/174) EVOLUTIONARY BIOLOGY - SCIE (Q3, 28/52)
Ecosphere	5	ECOLOGY - SCIE (Q2, 66/174)
Environmental Earth Sciences	1	GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q2, 98/203) WATER RESOURCES - SCIE (Q2, 51/103) ENVIRONMENTAL SCIENCES - SCIE (Q3, 168/279)
Environmental Science and Pollution Research	2	ENVIRONMENTAL SCIENCES - SCIE (Q2, 87/279)
Environmental Toxicology and Chemistry	1	TOXICOLOGY - SCIE (Q2, 29/94) ENVIRONMENTAL SCIENCES - SCIE (Q2, 117/279)
Ethology	1	ZOOLOGY - SCIE (Q2, 67/177) BEHAVIORAL SCIENCES - SCIE (Q4, 47/53)
Evolution	3	EVOLUTIONARY BIOLOGY - SCIE (Q2, 17/52) ECOLOGY - SCIE (Q2, 59/174) GENETICS & HEREDITY - SCIE (Q2, 72/177)
FEBS Journal	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q2, 88/297)
Fems Microbiology Ecology	1	MICROBIOLOGY - SCIE (Q2, 60/138)
Food and Bioproducts Processing	1	FOOD SCIENCE & TECHNOLOGY - SCIE (Q2, 38/144) ENGINEERING, CHEMICAL - SCIE (Q2, 38/143) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q2, 47/161)
Fottea	1	PLANT SCIENCES - SCIE (Q2, 112/240)
Freshwater Science	1	MARINE & FRESHWATER BIOLOGY - SCIE (Q2, 47/113) ECOLOGY - SCIE (Q3, 107/174)
Frontiers in Behavioral Neuroscience	1	BEHAVIORAL SCIENCES - SCIE (Q2, 17/53) NEUROSCIENCES - SCIE (Q3, 155/275)
Frontiers in Earth Science	1	GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q2, 77/203)
Frontiers in Ecology and Evolution	2	ECOLOGY - SCIE (Q2, 46/174)
Frontiers in Environmental Science	1	ENVIRONMENTAL SCIENCES - SCIE (Q2, 82/279)
Frontiers in Sustainable Food Systems	1	FOOD SCIENCE & TECHNOLOGY - SCIE (Q2, 41/144)
G3-Genes Genomes Genetics	2	GENETICS & HEREDITY - SCIE (Q2, 88/177)
Genes	1	GENETICS & HEREDITY - SCIE (Q2, 74/177)
Genetics	2	GENETICS & HEREDITY - SCIE (Q2, 58/177)
Genome Biology and Evolution	1	EVOLUTIONARY BIOLOGY - SCIE (Q2, 18/52) GENETICS & HEREDITY - SCIE (Q2, 75/177)
Geoderma Regional	3	SOIL SCIENCE - SCIE (Q2, 13/39)
Heredity	2	ECOLOGY - SCIE (Q2, 63/174) EVOLUTIONARY BIOLOGY - SCIE (Q2, 21/52) GENETICS & HEREDITY - SCIE (Q2, 81/177)
Hydrobiologia	1	MARINE & FRESHWATER BIOLOGY - SCIE (Q2, 36/113)
Immunology	2	IMMUNOLOGY - SCIE (Q2, 44/163)
International Journal of Plant Sciences	1	PLANT SCIENCES - SCIE (Q2, 79/240)
Journal of Comparative Physiology B- Biochemical Systems and Environmental Physiology	1	ZOOLOGY - SCIE (Q2, 51/177) PHYSIOLOGY - SCIE (Q4, 65/81)
Journal of Economic Entomology	1	ENTOMOLOGY - SCIE (Q2, 29/100)
Journal of Fish Biology	1	MARINE & FRESHWATER BIOLOGY - SCIE (Q2, 41/113) FISHERIES - SCIE (Q2, 25/54)
Journal of General Virology	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q2, 45/161) VIROLOGY - SCIE (Q2, 18/37)

Journal of Geophysical Research-Earth Surface	1	GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q2, 52/203)
Mosphere	1	MICROBIOLOGY - SCIE (Q2, 53/138)
Oecologia	3	ECOLOGY - SCIE (Q2, 72/174)
Oikos	1	ECOLOGY - SCIE (Q2, 54/174)
Pathogens	2	MICROBIOLOGY - SCIE (Q2, 59/138)
Peerj	2	MULTIDISCIPLINARY SCIENCES - SCIE (Q2, 33/74)
Perspectives in Plant Ecology Evolution and Systematics	1	PLANT SCIENCES - SCIE (Q2, 61/240) ECOLOGY - SCIE (Q2, 62/174)
PLoS One	10	MULTIDISCIPLINARY SCIENCES - SCIE (Q2, 29/74)
Radiation Research	1	BIOLOGY - SCIE (Q2, 36/94) RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING - SCIE (Q2, 68/136) BIOPHYSICS - SCIE (Q3, 37/72)
Royal Society Open Science	1	MULTIDISCIPLINARY SCIENCES - SCIE (Q2, 30/74)
RSC Advances	1	CHEMISTRY, MULTIDISCIPLINARY - SCIE (Q2, 76/180)
Saudi Journal of Biological Sciences	2	BIOLOGY - SCIE (Q2, 25/94)
Scientific Reports	4	MULTIDISCIPLINARY SCIENCES - SCIE (Q2, 19/74)
South African Journal of Botany	1	PLANT SCIENCES - SCIE (Q2, 82/240)
Stem Cells and Development	1	TRANSPLANTATION - SCIE (Q2, 9/26) HEMATOLOGY - SCIE (Q2, 34/79) MEDICINE, RESEARCH & EXPERIMENTAL - SCIE (Q2, 67/140) CELL & TISSUE ENGINEERING - SCIE (Q3, 16/29)
Sustainability	2	ENVIRONMENTAL STUDIES - SSCI (Q2, 57/128) ENVIRONMENTAL SCIENCES - SCIE (Q2, 133/279) GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY - SCIE (Q3, 35/47) GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY - SSCI (Q4, 7/9)
Taxon	2	PLANT SCIENCES - SCIE (Q2, 103/240) EVOLUTIONARY BIOLOGY - SCIE (Q3, 35/52)
Urban Ecosystems	1	BIODIVERSITY CONSERVATION - SCIE (Q2, 28/65) ECOLOGY - SCIE (Q3, 96/174)
Viruses-Basel	2	VIROLOGY - SCIE (Q2, 14/37)
Wildlife Biology	2	ZOOLOGY - SCIE (Q2, 50/177) ECOLOGY - SCIE (Q3, 109/174)

JCR Q3 Journals [as Highest Ranking]		
Journal Title	No. of Articles	Categories/Rank
Applied Biochemistry and Biotechnology	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q3, 104/161) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q3, 209/297)
Australian Journal of Botany	1	PLANT SCIENCES - SCIE (Q3, 159/240)
Biochemical and Biophysical Research Communications	1	BIOPHYSICS - SCIE (Q3, 39/72) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q3, 196/297)
Biotechnology Progress	1	FOOD SCIENCE & TECHNOLOGY - SCIE (Q3, 82/144) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q3, 106/161)
BMC Biotechnology	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q3, 86/161)
BMC Genetics	1	GENETICS & HEREDITY - SCIE (Q3, 112/177)
Chelonian Conservation and Biology	1	ZOOLOGY - SCIE (Q3, 110/177)
Current Pharmaceutical Biotechnology	1	PHARMACOLOGY & PHARMACY - SCIE (Q3, 188/279) BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q4, 227/297)
Diatom Research	2	MARINE & FRESHWATER BIOLOGY - SCIE (Q3, 81/113)
European Journal of Protistology	1	MICROBIOLOGY - SCIE (Q3, 81/138)
Evolutionary Ecology	1	ECOLOGY - SCIE (Q3, 120/174) EVOLUTIONARY BIOLOGY - SCIE (Q4, 42/52) GENETICS & HEREDITY - SCIE (Q4, 144/177)
General and Comparative Endocrinology	3	ENDOCRINOLOGY & METABOLISM - SCIE (Q3, 101/148)
Genesis	1	DEVELOPMENTAL BIOLOGY - SCIE (Q3, 26/40) GENETICS & HEREDITY - SCIE (Q3, 130/177)
Hereditas	1	GENETICS & HEREDITY - SCIE (Q3, 120/177)
Herpetological Conservation and Biology	6	ZOOLOGY - SCIE (Q3, 133/177)
Herpetozoa	1	ZOOLOGY - SCIE (Q3, 128/177)
International Journal of Tuberculosis and Lung Disease	1	RESPIRATORY SYSTEM - SCIE (Q3, 36/66) INFECTIOUS DISEASES - SCIE (Q3, 66/96)
Journal of Environmental Science and Health, Part B-Pesticides Food Contaminants and Agricultural Wastes	1	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH - SCIE (Q3, 144/210) ENVIRONMENTAL SCIENCES - SCIE (Q3, 202/279)
Journal of Eukaryotic Microbiology	2	MICROBIOLOGY - SCIE (Q3, 75/138)
Journal of Evolutionary Biology	1	ECOLOGY - SCIE (Q3, 100/174) EVOLUTIONARY BIOLOGY - SCIE (Q3, 36/52) GENETICS & HEREDITY - SCIE (Q3, 123/177)
Journal of Food Processing and Preservation	2	FOOD SCIENCE & TECHNOLOGY - SCIE (Q3, 94/144)
Journal of Food Safety	2	FOOD SCIENCE & TECHNOLOGY - SCIE (Q3, 102/144) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q4, 126/161)
Journal of Herpetology	3	ZOOLOGY - SCIE (Q3, 96/177)
Journal of Paleolimnology	1	LIMNOLOGY - SCIE (Q3, 11/21) GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q3, 137/203) ENVIRONMENTAL SCIENCES - SCIE (Q4, 215/279)
Journal of Virological Methods	1	BIOCHEMICAL RESEARCH METHODS - SCIE (Q3, 57/79) BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q3, 121/161) VIROLOGY - SCIE (Q4, 28/37)
Jove-Journal of Visualized Experiments	1	MULTIDISCIPLINARY SCIENCES - SCIE (Q3, 52/74)

Marine Ecology-an Evolutionary Perspective	1	MARINE & FRESHWATER BIOLOGY - SCIE (Q3, 66/113)
Mycologia	3	MYCOLOGY - SCIE (Q3, 18/30)
Pharmacology Research & Perspectives	1	PHARMACOLOGY & PHARMACY - SCIE (Q3, 182/279)
Plant Ecology and Evolution	1	PLANT SCIENCES - SCIE (Q3, 172/240)
Polar Biology	1	BIODIVERSITY CONSERVATION - SCIE (Q3, 34/65) ECOLOGY - SCIE (Q3, 114/174)
River Research and Applications	2	WATER RESOURCES - SCIE (Q3, 62/103) ENVIRONMENTAL SCIENCES - SCIE (Q3, 188/279)
Tree-Ring Research	1	FORESTRY - SCIE (Q3, 42/70)
Tuberculosis	1	MICROBIOLOGY - SCIE (Q3, 96/138) RESPIRATORY SYSTEM - SCIE (Q3, 46/66) IMMUNOLOGY - SCIE (Q4, 130/163)
Ursus	1	ZOOLOGY - SCIE (Q3, 106/177)
Vector-Borne and Zoonotic Diseases	2	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH - SCIE (Q3, 143/210) INFECTIOUS DISEASES - SCIE (Q4, 78/96)
Wetlands Ecology and Management	1	WATER RESOURCES - SCIE (Q3, 75/103) ENVIRONMENTAL SCIENCES - SCIE (Q4, 220/279)
Wildlife Society Bulletin	1	BIODIVERSITY CONSERVATION - SCIE (Q3, 38/65)
Zootaxa	1	ZOOLOGY - SCIE (Q3, 130/177)

JCR Q4 Journals [as Highest Ranking]		
Journal Title	No. of Articles	Categories/Rank
American Midland Naturalist	1	BIODIVERSITY CONSERVATION - SCIE (Q4, 58/65) ECOLOGY - SCIE (Q4, 165/174)
Anales del Jardin Botanico de Madrid	1	PLANT SCIENCES - SCIE (Q4, 210/240)
Austral Ecology	1	ECOLOGY - SCIE (Q4, 135/174)
Castanea	2	PLANT SCIENCES - SCIE (Q4, 240/240)
Chiang Mai Journal of Science	1	MULTIDISCIPLINARY SCIENCES - SCIE (Q4, 72/74)
Climate Research	1	ENVIRONMENTAL SCIENCES - SCIE (Q4, 255/279) METEOROLOGY & ATMOSPHERIC SCIENCES - SCIE (Q4, 86/94)
Conservation Genetics Resources	1	BIODIVERSITY CONSERVATION - SCIE (Q4, 51/65) GENETICS & HEREDITY - SCIE (Q4, 168/177)
Fly	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q4, 286/297)
International Journal of Astrobiology	1	BIOLOGY - SCIE (Q4, 71/94) ASTRONOMY & ASTROPHYSICS - SCIE (Q4, 53/69) GEOSCIENCES, MULTIDISCIPLINARY - SCIE (Q4, 179/203)
Journal of Fish and Wildlife Management	1	BIODIVERSITY CONSERVATION - SCIE (Q4, 57/65) ECOLOGY - SCIE (Q4, 162/174)
Journal of Limnology	1	LIMNOLOGY - SCIE (Q4, 17/21)
Nova Hedwigia	5	PLANT SCIENCES - SCIE (Q4, 181/240)
Pacific Science	1	ZOOLOGY - SCIE (Q4, 140/177) MARINE & FRESHWATER BIOLOGY - SCIE (Q4, 94/113)
Philippine Agricultural Scientist	1	AGRICULTURE, MULTIDISCIPLINARY - SCIE (Q4, 60/60)
Phytotaxa	8	PLANT SCIENCES - SCIE (Q4, 195/240)
Prion	1	BIOCHEMISTRY & MOLECULAR BIOLOGY - SCIE (Q4, 245/297)
Protist	2	MICROBIOLOGY - SCIE (Q4, 109/138)
Rhodora	1	PLANT SCIENCES - SCIE (Q4, 238/240)
Southeastern Naturalist	3	BIODIVERSITY CONSERVATION - SCIE (Q4, 59/65) ECOLOGY - SCIE (Q4, 166/174)
Stem Cell Research	1	BIOTECHNOLOGY & APPLIED MICROBIOLOGY - SCIE (Q4, 148/161) CELL BIOLOGY - SCIE (Q4, 186/195) CELL & TISSUE ENGINEERING - SCIE (Q4, 28/29)
Sydowia	5	MYCOLOGY - SCIE (Q4, 27/30)
Systematic Botany	1	PLANT SCIENCES - SCIE (Q4, 200/240) EVOLUTIONARY BIOLOGY - SCIE (Q4, 52/52)
Transactions of the Royal Society of South Australia	1	MULTIDISCIPLINARY SCIENCES - SCIE (Q4, 73/74)
Tropical Ecology	1	ECOLOGY - SCIE (Q4, 144/174)
Waterbirds	1	ORNITHOLOGY - SCIE (Q4, 24/31)
Western North American Naturalist	1	BIODIVERSITY CONSERVATION - SCIE (Q4, 61/65) ECOLOGY - SCIE (Q4, 170/174)
Wilson Journal of Ornithology	2	ORNITHOLOGY - SCIE (Q4, 27/31)

Publications Listing

2022

- (1) Ameen, F.; AlNadhari, S.; Yassin, M. A.; Al-Sabri, A.; Almansob, A.; Alqahtani, N.; Stephenson, S. L. Desert soil fungi isolated from Saudi Arabia: cultivable fungal community and biochemical production. *Saudi Journal of Biological Sciences* **2022**, 29 (4), 2409-2420, Article. DOI: 10.1016/j.sjbs.2021.12.011.
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- (4) Barley, A. J.; Cordes, J. E.; Walker, J. M.; Thomson, R. C. Genetic diversity and the origins of parthenogenesis in the teiid lizard *Aspidoscelis laredoensis*. *Molecular Ecology* **2022**, 31 (1), 266-278, Article. DOI: 10.1111/mec.16213.
- (5) Burgess-Conforti, J. R.; Moore, P. A.; Owens, P. R.; Miller, D. M.; Ashworth, A. J.; Hays, P. D.; Evans-White, M. A.; Anderson, K. R. Relationships between land use and stream chemistry in the Mulberry River basin, Arkansas. *River Research and Applications* **2022**, 38 (6), 1031-1040, Article. DOI: 10.1002/rra.3970.
- (6) Caetano-Anolles, K.; Ewers, B.; Iyer, S.; Lucas, J. R.; Pavlic, T. P.; Seale, A. P.; Zeng, Y. A Minimal Framework for Describing Living Systems: A Multi-Dimensional View of Life Across Scales. *Integrative and Comparative Biology* **2022**, 61 (6), 2053-2065, Article. DOI: 10.1093/icb/icab172.
- (7) Cavender, J. C.; Vadell, E. M.; Perrigo, A. L.; Landolt, J. C.; Stephenson, S. L.; Liu, P. Four New Species of Dictyostelids from Soil Systems in Northern Thailand. *Journal of Fungi* **2022**, 8 (6), 17, Article. DOI: 10.3390/jof8060593.
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- (9) Chattova, B.; Cahova, T.; Pinseel, E.; Kopalova, K.; Kohler, T. J.; Hrbacek, F.; Van de Vijver, B.; Nyvlt, D. Diversity, ecology, and community structure of the terrestrial diatom flora from Ulu Peninsula (James Ross Island, NE Antarctic Peninsula). *Polar Biology* **2022**, 45 (5), 873-894, Article. DOI: 10.1007/s00300-022-03038-z.
- (10) Ciftci, O.; Alverson, A. J.; van Bodegom, P.; Roberts, W. R.; Mertens, A.; Van de Vijver, B.; Trobajo, R.; Mann, D. G.; Pirovano, W.; van Eijk, I.; et al. Phylotranscriptomics reveals the reticulate evolutionary history of a widespread diatom species complex. *Journal of Phycology* **2022**, 58 (5), 643-656, Article. DOI: 10.1111/jpy.13281.

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- (12) Crone, E. R.; Sauer, E. L.; Herrick, B. M.; Drake, D.; Preston, D. L. Effects of invasive jumping worms (*Amyntas* spp.) on microhabitat and trophic interactions of native herpetofauna. *Biological Invasions* **2022**, 24 (8), 2499-2512, Article. DOI: 10.1007/s10530-022-02781-y.
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- (14) Deshwal, A.; Stephenson, S. L.; Panwar, P.; DeGregorio, B. A.; Kannan, R.; Willson, J. D. Foraging habitat selection of shrubland bird community in tropical dry forest. *Ecology and Evolution* **2022**, 12 (8), 12, Article. DOI: 10.1002/ece3.9192.
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- (25) Fox, J. T.; Magoulick, D. D. Hydrologic and environmental thresholds in stream fish assemblage structure across flow regimes. *Ecological Indicators* **2022**, *144*, Article. DOI: 10.1016/j.ecolind.2022.109500.
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- (27) Gruntz, C. P.; Entrekin, S. A.; Evans-White, M. A.; Clay, N. A. Too much of a good thing: Evidence of sodium stress in an inland subtropical riparian detrital system. *Applied Soil Ecology* **2022**, *169*, Article. DOI: 10.1016/j.apsoil.2021.104194.
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- (31) Hauptman, G.; Reichert, M. C.; Rhida, M. A. A.; Evans, T. A. Characterization of enhancer fragments in *Drosophila robo2*. *Fly* **2022**, *16* (1), 312-346, Article. DOI: 10.1080/19336934.2022.2126259.
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