
OPEN ACCESS ONLINE JOURNALS ON AGRICULTURAL BIOLOGY: A STUDY

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Abstract

The Directory of Open Access Journals (DOAJ) lists open access scientific and scholarly journals, that meet high quality standards by exercising peer-review or editorial quality control and are free to all from the time of publication based on the Budapest open access initiative. Total 31 free online journals were accessed through DOAJ and analyze based on country, language, subject headings, keywords, their accessibility and availability of archives of online journal in Agricultural Biology.

KEYWORDS :

Online Journals, Open Access, E-Journals, Agricultural Biology DOAJ.

INTRODUCTION:

The proliferation of free accessible online journal, the development of subject specific pre- and E-print archives and collections of learning objects provides a very valuable supplement of scientific knowledge of the existing types of published scientific information (book, Journals, databases etc.). however these valuable collection are difficult to overview and integrate in the library and information services provided by libraries for their user constituency. Open access journals as journal that use a funding model that dose not charge readers or their institutions for access.

OPEN ACCESS JOURNALS :

Open access means users can read, download copy, distribute, print, search, or link to the full texts of these articles. Open access journals are scholarly journals that are available online to the readers “ without financial, legal or technical barriers other than those inseparable from gaining access to the internet itself”. Open access journals (sometimes called the “gold road to open access”) are one of the two general methods for providing open access. The other one (sometimes called the “green road”) is self archiving in a repository. The publisher of an open access journal is known as an “Open access publisher and the process, “open access publishing”

DOAJ (DIRECTORY OF OPENACCESS JOURNAL):

At the first Nordic Conference on scholarly communication in Lund/Copenhagen the idea of creating a comprehensive directory of Open access Journals was discussed. The conclusion was that it would be a valuable service for the global research and education community. Available technologies make it possible to collect and organize these resources in a way that allow libraries worldwide to integrate these resources in existing services thus offering added value no the for the service providers of these resources and for the global research and education community. Directory of Open Access Journal is a service access to quality controlled Open Access Journals. The Directory aims to be comprehensive and cover all open access scientific and scholarly journals that use an appropriate quality control system and it will not be limited to particular languages or subject areas. Directory of Open Access journals is hosted, maintained and partly funded by Lund University

Libraries head office DOAJ is receiving funding form.

OBJECTIVES OF THE PAPER :

- To enumerate the free E-Journals on Agricultural Biology on DOAJ
- To know the country wise distribution of E-journals on Agricultural Biology on DOAJ
- To find out the language wise distribution of E-journals on Agricultural Biology on DOAJ
- To know the usefulness and applicability of Agricultural Biology E-journals to other disciplines.

RESEARCH METHODOLOGY :

DOAJ (Directory of Open Access Journals) website (<http://www.doaj.org>) is browsed for the present paper Agricultural Biology E-journals were searched out and 31 journals were found on DOAJ Total 31 Agricultural Biology E-journals were analyzed based on countrywide, Languages, subject Headings and accessibility of Archives of E-journal.

LIMITATION OF THE STUDY:

The study is limited to Agricultural Biology E-journals which is listed on Directory of Open Access Journals for the present paper DOAJ data is accessible till 15/11/2014. It is not possible to show all the online journals access so access of only one e-journal's full text article is shown at last as a screen snapshot.

ANALYSIS AND INTERPRETATIONS:

Total 31 Agricultural Biology E-journals were analyzed based on Countrywide, Languages, Subject Heading and accessibility of Archives of E-journals and presented in the form of Tables.

Table : 1 List of Free E-Journals on Agricultural Biology on DOAJ

Sr. No	Title of E-Journal	URL	ISSN No. EISSN No.	Publisher
1	Agricultural and Biology Journal of North America	http://www.scihub.org/ABJNA	2151-7517, 2151-7525	Science Hub
2	Agricultural and Forestry	http://www.agricultforest.ac.me/	0554-5579, 1800-9492	University of Montenegro
3	American Journal of Experimental Agricultural	http://www.sciencedomain.org/journal-home.php?id=2	2231-0606	Science domain International
4	Animal Biology & Animal Husbandry	http://www.abah.bioflux.com.ro/	2066-7612, 2067-6344	Bioflux Society
5	Animal Reproduction	http://www.cbra.org.br/portal/publicacoes/ar/editorial-ar.html	1806-9614	Brazilian College of Animal Reproduction
6	Applied Ecology and Environmental Research	http://www.aloki.hu/	1589-1623, 1785-0037	ALOKI Ltd
7	Archiva Zootehnica	http://www.ibna.ro/arhiva/arhiva.php	1016-4855	Cartea Universitar
8	Asian Journal of Plant Sciences	http://scialert.net/jindex.php?issn=1682-3974	1682-3974, 1812-5697	Asian Network for Scientific Information
9	Australian Journal of Crop Science	http://www.cropj.com/	1835-2693, 1835-2707	Southern Cross Publishing
10	Brazilian Journal of Plant Physiology	http://www.scielo.br/scielo.php/script_sci_serial/pid_1677-0420/lnq_en/nrm_iso	1677-0420, 1677-9452	Sociedade Brasileira de Fisiologia Vegetal

11	Communications in Biometry and Crop Science	http://agrobiol.sggw.waw.pl/cbcs/	1896-0782	Warsaw Agricultural University
12	Egyptian Journal of Aquatic Biology and Fisheries	http://www.ejabf.eg.net	1110-6131	Egyptian Society for the Development of Fisheries and Human Health
13	Fishery Technology	http://epubs.icar.org.in/ejournal/index.php/FT	0015-3001	Society of Fisheries Technologists
14	Hacquetia	http://www.degruyter.com/view/j/hacq	1581-4661, 1854-9829	Versita
15	Igdir University Journal of the Institute of Science and Technology	http://www.igdir.edu.tr/f_fbens/dergi/Default.aspx	2146-0574	Igdir University
16	Journal of Agricultural and Social Sciences	http://www.fspublishers.org/JASS.php	1813-2235, 1814-960X	Friends Science Publishers
17	Journal of Agrobiology	http://www.degruyter.com/view/j/agro	1803-4403, 1804-2686	Versita
18	Journal of Modern Agricultural	http://www.jma-journal.org	2169-592X, 2169-5938	Ivy Publisher
19	Microbes and Health	http://journal.bsvmph.org	2226-0153, 2305-3542	Bangladesh Society for Veterinary Microbiology and Public Health
20	Plant Biotechnology	http://www.jstage.jst.go.jp/browse/plantbiotechnology	1342-4580, 1347-6114	Japanese Society for Plant Cell and Molecular Biology
21	Plant Knowledge Journal	http://www.sciencej.com/index.html	2200-5390, 2200-5404	Southern Cross Publisher
22	Plant Root	https://www.jstage.jst.go.jp/browse/plantroot/	1881-6754	Japanese Society for Root Research
23	Plants	http://www.mdpi.com/journal/plants	2223-7747	MDPI AG
24	Research Journal of Agricultural and Biological Sciences	http://www.aensiweb.com/rjabs.html	1816-1561, 1819-5415	INSInet Publications
25	Revista Bio Ciencias	http://biociencias.uan.edu.mx	2007-3380	Universidad Autónoma de Nayarit

26	Revista Caatinga	http://periodicos.ufersa.edu.br/revistas/index.php/sistema	0100-316X, 1983-2125	Universidade Federal Rural Do Semiárido
27	Revista de Salud Animal	http://scielo.sld.cu/scielo.php?script=sci_serial&pid=0253-570X&lng=es&nrm=iso	0253-570X, 2224-4700	Centro Nacional de Sanidad Agropecuaria
28	Revista Fitotecnia Mexicana	http://www.redalyc.org/revista.oa?id=610	0187-7380	Sociedad Mexicana de Fitogenética
29	Revista Mvz Cordoba	http://apps.unicordoba.edu.co/revistas/revistamvz/index.htm	0122-0268, 1909-0544	Universidad de Cordoba
30	Scientia Marina	http://www.icm.csic.es/scimar/	0214-8358, 1886-8134	Institut de Ciències del Mar de Barcelona, CSIC
31	Tropical Plant Pathology	http://www.scielo.br/scielo.php?script=sci_serial&pid=1982-5676&lng=en&nrm=iso	1982-5676, 1983-2052	Sociedade Brasileira de Fitopatologia

Table No. 1 enumerate the free online journals on Agricultural Biology along with their URL so that any user can browse the e-journals directly by entering the URL in its address bar.

Table : 2 Country wise Distribution of E-Journals on Agricultural Biology

Sr.No.	Name of the E- Journals	Place of Publication
1	Animal Biology & Animal Husbandry	Romania
2	Revista Bio Ciencias	Mexico
3	Egyptian Journal of Aquatic Biology and Fisheries	Egypt
4	Agricultural and Biology Journal of North America	United States
5	Communications in Biometry and Crop Science	Poland
6	Plant Biotechnology	Japan
7	Research Journal of Agricultural and Biological Sciences	Pakistan
8	Journal of Modern Agricultural	United States
9	Journal of Agrobiology	Czech Republic
10	Applied Ecology and Environmental Research	Hungary
11	Asian Journal of Plant Sciences	Pakistan
12	Australian Journal of Crop Science	Australia
13	Archiva Zootechnica	Romania
14	Fishery Technology	India
15	Hacquetia	Slovenia
16	Animal Reproduction	Brazil
17	Revista Mvz Cordoba	Colombia
18	American Journal of Experimental Agricultural	India
19	Plants	Switzerland
20	Agricultural and Forestry	Montenegro
21	Revista Fitotecnia Mexicana	Mexico
22	Revista de Salud Animal	Cuba
23	Revista Caatinga	Brazi
24	Plant Root	Japan
25	Microbes and Health	Bangladesh
26	Journal of Agricultural and Social Sciences	Pakistan
27	Igdir University Journal of the Institute of Science and Technology	Turkey
28	Scientia Marina	Spain
29	Brazilian Journal of Plant Physiology	Brazil
30	Plant Knowledge Journal	Australia
31	Tropical Plant Pathology	Brazil

Table : 2.a. Analysis of Country wise Distribution of E-Journals on Agricultural Biology.

Sr. No.	Name of the Country	No. of E-Journals	Rank
1	Australia	2	3
2	Bangladesh	1	4
3	Brazil	4	1
4	Colombia	1	4
5	Cuba	1	4
6	Czech Republic	1	4
7	Egypt	1	4
8	Hungary	1	4
9	India	2	3
10	Japan	2	3
11	Mexico	2	3
12	Montenegro	1	4
13	Pakistan	3	2
14	Poland	1	4
15	Romania	2	3
16	Slovenia	1	4
17	Spain	1	4
18	Switzerland	1	4
19	Turkey	1	4
20	United States	2	3

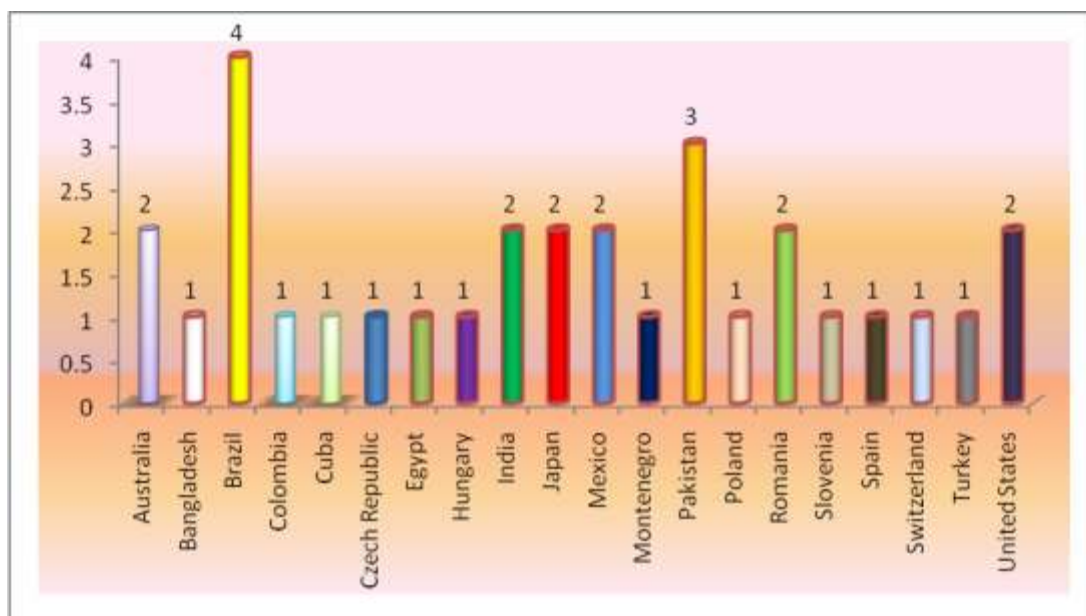


Table No. 2.a depicts the country wise distribution of E-journals on Agricultural Biology on DOAJ. Brazil was in 1st rank due to publication of 04 e-journals followed by Pakistan 03, Australia followed by India and United States i.e. 02 E-journals.

Table : 3 Language wise Distribution of E-Journals on Agricultural Biology.

Sr.No.	Name of the E-Journals	Language
1	Agricultural and Biology Journal of North America	English
2	Agricultural and Forestry	English, Serbo-Croatian
3	American Journal of Experimental Agricultural	English
4	Animal Biology & Animal Husbandry	English
5	Animal Reproduction	English
6	Applied Ecology and Environmental Research	English
7	Archiva Zootechnica	English
8	Asian Journal of Plant Sciences	English
9	Australian Journal of Crop Science	English
10	Brazilian Journal of Plant Physiology	English, Portuguese
11	Communications in Biometry and Crop Science	English
12	Egyptian Journal of Aquatic Biology and Fisheries	English
13	Fishery Technology	English
14	Hacquetia	English
15	Igdir University Journal of the Institute of Science and Technology	English, Turkish
16	Journal of Agricultural and Social Sciences	English
17	Journal of Agrobiology	English
18	Journal of Modern Agricultural	Chinese
19	Microbes and Health	English
20	Plant Knowledge Journal	English
21	Plant Biotechnology	English
22	Plant Root	English
23	Plants	English
24	Revista Caatinga	English
25	Research Journal of Agricultural and Biological Sciences	Spanish, English
26	Revista Bio Ciencias	Portuguese, English
27	Revista de Salud Animal	Spanish, English
28	Revista Fitotecnia Mexicana	Spanish, English
29	Revista Mvz Cordoba	Spanish, English
30	Scientia Marina	English
31	Tropical Plant Pathology	Portuguese, English

Table : 3.a. Analysis of Language wise Distribution of E-Journals on Agricultural Biology.

Sr. No.	Languages	No. of E journals	Rank
1	English	23	1
2	English, Portuguese	3	2
3	English, Turkish	1	3
4	Chinese	1	3
5	Spanish, English	3	2

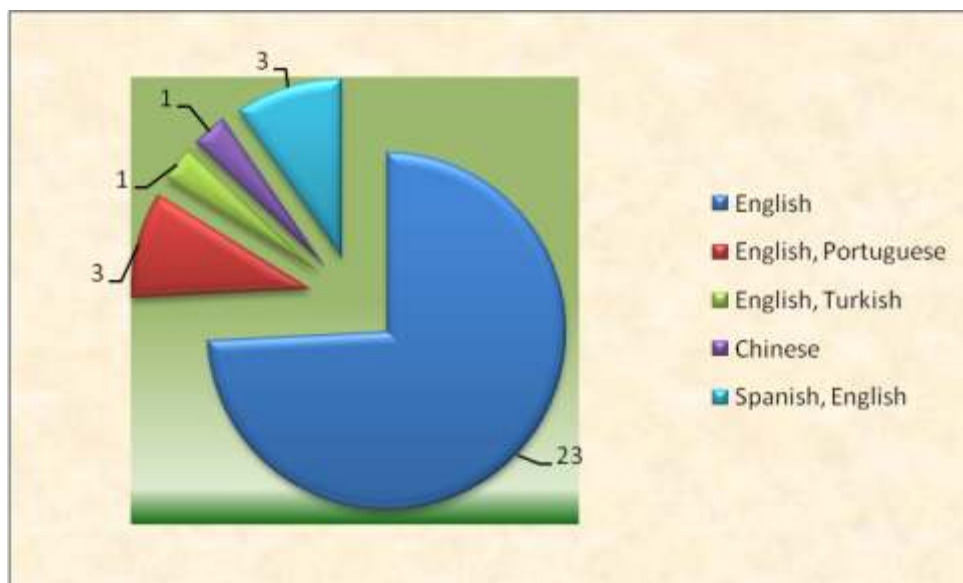


Table No. 3 and 3.a gives the information about the publication language of the E-journals on Agricultural Biology. English is the most common Communication language to spread the knowledge in all over the world which is used by all 31 E-journals. Out of 31 e-journals Brazilian Journal of Plant Physiology & Tropical Plant Pathology E-journals is published in 02 Languages namely Portuguese language. and English which rank ed 2nd .

Table No : 4 Distributions of Subject Headings of E-journals on Agricultural Biology.

Sr. No.	Name of the E- Journals	Subject Headings
1	Agricultural and Biology Journal of North America	Agricultural (General), Agricultural
2	Journal of Modern Agricultural	Agricultural (General), Agricultural
3	Journal of Agrobiology	Agricultural (General), Agricultural
4	Hacquetia	Agricultural (General), Agricultural
5	American Journal of Experimental Agricultural	Agricultural (General), Agricultural
6	Revista Caatinga	Agricultural (General), Agricultural
7	Igdir University Journal of the Institute of Science and Technology	Agricultural (General), Agricultural
8	Agricultural and Forestry	Agricultural (General), Agricultural

9	Plant Knowledge Journal	Agricultural (General), Agricultural
10	Research Journal of Agricultural and Biological Sciences	Agricultural (General), Agricultural
11	Journal of Agricultural and Social Sciences	Agricultural (General), Agricultural
12	Animal Biology & Animal Husbandry	Animal culture, Agricultural
13	Archiva Zootechnica	Animal culture, Agricultural
14	Revista de Salud Animal	Animal culture, Agricultural
15	Animal Reproduction	Animal culture, Agricultural
16	Egyptian Journal of Aquatic Biology and Fisheries	Aquaculture. Fisheries. Angling, Agricultural
17	Fishery Technology	Aquaculture. Fisheries. Angling, Agricultural
18	Scientia Marina	Aquaculture. Fisheries. Angling, Agricultural
19	Revista Bio Ciencias	Biology (General), Science, Agricultural (General), Agricultural
20	Revista Fitotecnia Mexicana	Botany, Science, Agricultural (General), Agricultural
21	Brazilian Journal of Plant Physiology	Botany, Science, Plant culture, Agricultural
22	Applied Ecology and Environmental Research	Ecology, Biology (General), Science, Agricultural (General), Agricultural
23	Asian Journal of Plant Sciences	Plant culture, Agricultural
24	Australian Journal of Crop Science	Plant culture, Agricultural
25	Plants	Plant culture, Agricultural

26	Tropical Plant Pathology	Plant culture, Agricultural
27	Communications in Biometry and Crop Science	Plant culture, Agricultural
28	Plant Biotechnology	Plant culture, Agricultural
29	Plant Root	Plant culture, Agricultural
30	Microbes and Health	Public aspects of medicine, Medicine, Veterinary medicine, Animal culture, Agricultural
31	Revista Mvz Cordoba	Veterinary medicine, Animal culture, Agricultural

Table No : 4.a. Analysis of Subject Headings of E-journals on Agricultural Biology.

Sr. no.	Subject Headings	No. of E-journal
1	Agricultural (General), Agricultural	11
2	Animal culture, Agricultural	4
3	Aquaculture. Fisheries. Angling, Agricultural	3
4	Biology (General), Science, Agricultural (General), Agricultural	1
5	Botany, Science, Agricultural (General), Agricultural	1
6	Botany, Science, Plant culture, Agricultural	1
7	Ecology, Biology (General), Science, Agricultural (General), Agricultural	1
8	Plant culture, Agricultural	7
9	Public aspects of medicine, Medicine, Veterinary medicine, Animal culture, Agricultural	1
10	Veterinary medicine, Animal culture, Agricultural	1

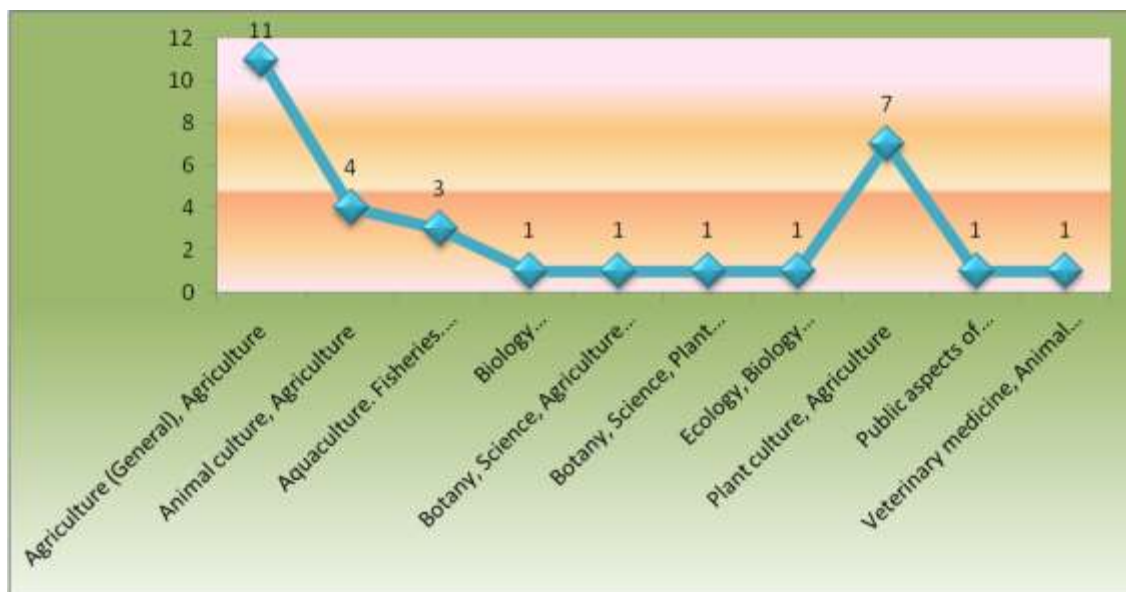


Table No .4.a Shows the interdisciplinary scope of the online-journals of Agricultural Biology. Agricultural (General), E-journals can also be used in Animal culture, Agriculture, Aquaculture. Fisheries. Angling, Agriculture, Biology (General), Science, Agriculture (General), Agriculture, Agricultural Biology, out of 31 E-Journals.

Table : 5 Subject Keywords of Online Journals on Agricultural Biology .

Sr. No.	Name of the E-journals	Subject Keywords
1	Agricultural and Biology Journal of North America	agricultural engineering, agribusiness, seed science research, irrigation, systematic biology, veterinary science
2	Agricultural and Forestry	rural development, veterinary medicine, biology, fisheries, food safety
3	American Journal of Experimental Agricultural	agricultural, agronomy, plant breeding, biology
4	Animal Biology & Animal Husbandry	animal biology, animal husbandry
5	Animal Reproduction	animal reproduction, reproductive biology
6	Applied Ecology and Environmental Research	information technology, biometry, sustainable agricultural, natural resource management, ecological monitoring, biodiversity
7	Archiva Zootechnica	animal nutrition, animal biology, animal physiology, animal reproduction, animal breeding
8	Asian Journal of Plant Sciences	plant sciences, molecular biology, ecology
9	Australian Journal of Crop Science	crop science, molecular biology, physiology, agronomy, plants
10	Brazilian Journal of Plant Physiology	biological sciences, plant physiology

11	Communications in Biometry and Crop Science	biometry, crop science, agronomy, plant breeding
12	Egyptian Journal of Aquatic Biology and Fisheries	fisheries, biology
13	Fishery Technology	fishery biology, fisheries economics, fishing gear, responsible fishing, fish preservation
14	Hacquetia	agricultural, biology, botany, ecology, plant science, zoology
15	Igdir University Journal of the Institute of Science and Technology	soil research and rehabilitation, agricultural genomics, stored products research, tree fruit production, pesticide science, post harvest biology, technology
16	Journal of Agricultural and Social Sciences	agricultural marketing, agricultural prices, biology, human resources
17	Journal of Agrobiology	agricultural biology
18	Journal of Modern Agricultural	forestry, crop science, biology, plant nutrition, management
19	Microbes and Health	bacteriology, virology, microbial biotechnology, food hygiene, immunology, molecular biology, mycology, industrial microbiology, environmental microbiology
20	Plant Biotechnology	plant tissue culture, molecular biology, cell technology, botany
21	Plant Knowledge Journal	biosystem engineering, horticultural science, seed technology, weed science, soil science, molecular biology
22	Plant Root	biology, plants
23	Plants	plant cytology, taxonomy, ecology, evolutionary biology, paleobotany, medicinal plants, crop protection
24	Research Journal of Agricultural and Biological Sciences	agricultural sciences, biology
25	Revista Bio Ciencias	life sciences, biology, agricultural, livestock, fisheries

26	Revista Caatinga	plant culture, biology
27	Revista de Salud Animal	veterinary medicine, molecular biology, microbiology
28	Revista Fitotecnia Mexicana	botany, biology, agricultural
29	Revista Mvz Cordoba	veterinary medicine, zoonoses, public health, aquiculture, biology
30	Scientia Marina	marine biology, marine ecology, marine geology, oceanography, fisheries
31	Tropical Plant Pathology	mycology, bacteriology, virology, nematology, epidemiology, plant-parasite interactions, genetics of plant pathogens

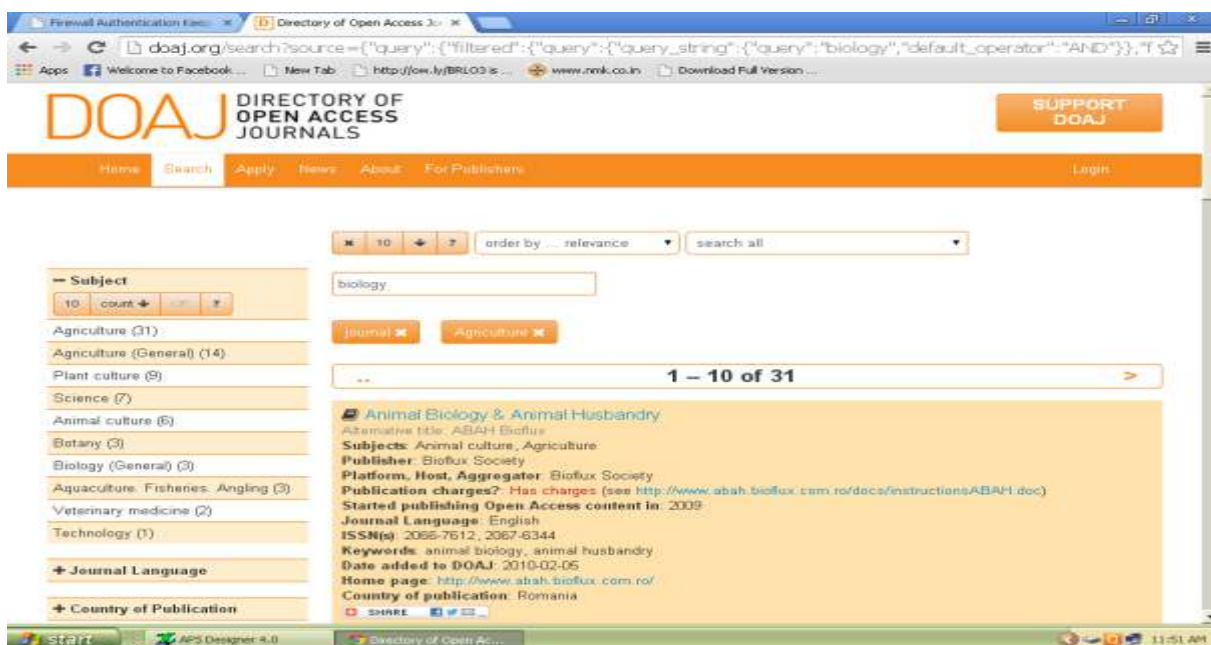
Table : 5 Intended to make for searching accordingly to Subject Keywords in online Journals on Agricultural Biology. Table indicates the useful keywords for searching in each online journals on Agricultural Biology so that user would not waste their time by browsing broad Keywords.

FINDINGS :

- 1) It is observed that Brazil was in 1st rank in publishing 04 e-journals (From Table.2)
- 2) English is the most common communication language for scientific community which is used by online journals. Four e-journals on Agricultural Biology also published simultaneously in English, Portuguese, Spanish, languages. (From Table3)
- 3) It is observed the Agricultural Biology, Agricultural and Biology Journal of North America e-journals. Out of 31 e-journals.

CONCLUSION :

DOAJ is comprehensive and covers open access scientific and scholarly journals that use an appropriate quality control system, and it will not be limited to particular languages or subject areas. DOAJ is to increase the visibility and ease of use of open access scientific and scholarly journals there by promoter their increased usage and impact. Research scholars, scientists, Professionals should browse the DOAJ site and access the free online journals on their subject areas It is also suggested that scientists and Research scholars should publish their research work in online open access journals for wider visibility of their research work and for greater impact factor and citation index.



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