

Library Resources and Services in Agricultural Universities in India

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Abstract

The Agricultural Universities are identified as premier institutes of higher education and research in Agricultural Technology in India. Having a common goal, there is a need for cooperation among the libraries of the Agricultural Universities. To achieve this kind of co-operation, there is a need to design and develop a unique type of library portals containing resources and services of their libraries and providing links to other University libraries. Further, there is also a need to form an educational network specialized among the Agricultural University libraries. This paper comprehensively studies the availability of electronic information resources and the services of major Agricultural Universities in India.

Keywords: Agriculture University, Agricultural Library, Electronic Resources, DOAJ, CeRA

Introduction

The agriculture sector has an important place in the Indian economy. The economic transformation of a developing country like India crucially depends on the performance of its agriculture and its allied sector. The proportion of the Indian population depending directly or indirectly on agriculture for employment opportunities is more than that of any sector in India as high as 70 % of its rural household still depends primarily on agriculture for their livelihood, with 82 % of the farmer being small and marginal. In this context, the agricultural universities in India are playing a key role in imparting agricultural education, research and also developing

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new technologies. There are 63 leading state agricultural and allied universities, 4 deemed to be agricultural universities and 3 central agricultural universities with agriculture departments in the country. Table 1 gives the list of agricultural universities. The libraries attached to agricultural universities have been identified as information centers for sharing information and disseminating new technologies. This paper will look into the availability of electronic information resources and services in three important Agricultural Universities in India.

Table1. List of Agricultural Universities in India

Andhra Pradesh

- 1 Acharya NG Ranga Agricultural University, Guntur
- 2 Dr. YSRHU (APHU), Venkataramannagudem
- 3 Sri Venkateswara Veterinary University, Tirupati

Assam

- 4 Assam Agricultural University, Jorhat

Bihar

- 5 Bihar Agricultural University, Sabour, Bhagalpur
- 6 Bihar Animal Sciences University, Patna

Chhattisgarh

- 7 Indira Gandhi Krishi Viswa Vidhyalaya, Raipur
- 8 Chhattisgarh Kamdhenu Visvavidyalaya, Durg

Gujarat

- 9 Sardar Krushinagar Dantiwada Agricultural University, Dantiwada
- 10 Anand Agricultural University, Anand
- 11 Navsari Agricultural University, Navsari
- 12 Junagarh Agricultural University, Junagarh

13 Kamdhenu University, Gandhinagar

Haryana

14 Chaudhary Charan Singh Haryana Agricultural University, Hisar

15 Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar

16 Haryana State University of Horticultural Sciences, Karnal

Himachal Pradesh

17 Ch. Sarwan Kumar Himachal Pradesh Krishi Viswavidyalaya,
Palampur

18 Dr. Yaswant Singh Parmar University of Horticulture & Forestry, Solan

Jharkhand

19 Birsa Agricultural University, Ranchi

Jammu & Kashmir

20 Sher-e-Kashmir University of Agricultural Science & Technology,
Srinagar

21 Sher-e-Kashmir University of Agricultural Science & Technology,
Jammu

Karnataka

22 University of Agricultural Sciences, Bangalore

23 Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar

24 University of Agricultural Sciences, Raichur

25 University of Agricultural Sciences, Dharwad

26 University of Horticulture Science, Bagalkot

27 University of Agriculture & Horticulture Sciences, Shimoga

Kerala

28 Kerala Agricultural University, Thrissur

- 29 Kerala University of Fisheries and Ocean Studies, Panangad, Kochi
30 Kerala Veterinary and Animal Sciences University, Pookode,
Wayanand, Kerala

Madhya Pradesh

- 31 Rajmata Vijayaraje Scindia Krishi VishwaVidyalaya, Gwalior
32 Nanaji Deshmukh Pashu ChikitsaVisvaVidyalaya, Jabalpur
33 Jawaharlal Nehru Krishi Viswa Vidyalaya, Jabalpur

Maharashtra

- 34 Dr. Balaesahib Sawant Kokan KrishiVidyapeeth, Dapoli
35 Maharastra Animal & Fisheries. Sciences University, Nagpur
36 Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani
37 Mahatma Phule Krishi Vidyapeeth, Rahuri
38 Dr. Punjabrao Deshmukh KrishiViswaVidyalaya, Akola

Orissa

- 39 Orissa University of Agricultural & Technology, Bhubaneswar

Punjab

- 40 Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana
41 Punjab Agricultural University, Ludhiana

Rajasthan

- 42 Maharana Pratap University of Agriculture & Technology, Udaipur
43 Swami Keshwanand Rajasthan Agricultural University, Bikaner
44 Rajasthan University of Veterinary & Animal Sciences, Bikaner
45 SKN Agriculture University, Jobner
46 Agriculture University, Kota
47 Agriculture University, Jodhpur

Tamil Nadu

- 48 Tamil Nadu Agricultural University, Coimbatore
- 49 Tamil Nadu Veterinary & Animal Sciences University, Chennai
- 50 Tamil Nadu Fisheries University, Nagapattinam

Telangana

- 51 Sri Konda Laxman Telangana State Horticultural University, Hyderabad
- 52 Sri PV Narsimha Rao Telangana Veterinary University, Hyderabad
- 53 Professor Jayashankar Telangana State Agricultural University, Hyderabad

UttraKhand

- 54 G.B. Pant University of Agriculture & Technology, Pantnagar
- 55 VCSG Uttarakhand University of Horticulture & Forestry, Bharsar

Uttar Pradesh

- 56 Chandra Shekhar Azad University of Agricultural & Technology, Kanpur
- 57 Narendra Deva University of Agriculture & Technology, Faizabad
- 58 Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut
- 59 U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidhyalaya Evem Go Anusandhan Sansthan, Mathura
- 60 Banda University of Agricultural and Technology, Banda

West Bengal

- 61 Bidhan Chandra Krishi Viswa Vidhyalaya, Mohanpur
- 62 West Bengal University of Animal & Fishery Sciences, Kolkata
- 63 Uttar Banga Krishi Viswavidhyalaya, Cooch Behar

Deemed Universities

1. ICAR-Indian Agricultural Research Institute, New Delhi
2. ICAR-National Dairy Research Institute, Karnal
3. ICAR-Indian Veterinary Research Institute, Izatnagar
4. ICAR-Central Institute on Fisheries Education, Mumbai

Central Agricultural Universities

- 1 Central Agricultural University, Manipur
- 2 Rani Laxmi Bai Central Agricultural University, Jhansi, Uttar Pradesh
- 3 Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur)

Tamil Nadu Agricultural University (TNAU)

The Tamil Nadu Agricultural University (TNAU) had its genesis from establishing an Agricultural School at Saidapet, Madras, Tamil Nadu, as early as 1868, and it was later relocated at Coimbatore. In 1920 it was affiliated with Madras University. TNAU assumed full Agricultural Education and Research responsibilities and supported the State Agricultural Department by delivering research products. Till 1946, the Agricultural College and Research Institute, Coimbatore, was the only Institute for Agricultural Education for the whole of South India. In 1958, it was recognized as a Post-graduate Centre leading to Masters and Doctoral degrees. The Agricultural College and Research Institute, Madurai, was established in 1965. These two colleges formed the nucleus of the Tamil Nadu Agricultural University while it was established in 1971.

1. Tamil Nadu Agricultural University Library Resources

The TNAU Library System comprises a University Library and 10 constitutional college libraries that collectively support the university's teaching, research, and extension programs. The University Library houses a total collection of over two lakh documents comprising books, theses,

journals, and compact discs in Agricultural Sciences. All in-house operations in the library are fully computerized using the Koha software, which provides web-based access to the online catalogue of the Library. The benefit of a consortia-based subscription to electronic resources is confined to its core members and extended to all Constitutional Colleges, Research Stations & KVKs through remote access.

Electronic Information Sources and Service of TNAU

E-Books

- CABI e-books
- Astral e-book
- Taylor & Francis e- books
- Elsevier -Science Direct
- Springer e-books
- Wiley -e-books

E-Journals

- CeRA (Consortium for e-Resource in Agriculture)
- Indianjournals.com
- Directory of Open Access Journal (DOAJ)

E-Database

- Web of Science
- Scopus
- Indiastat.com
- Commodity India
- DELNET

- Endnote
- iThenticate

E-Theses of M.Sc./Ph.D.

- Krishikosh
- Shodhganga

2. Mahatma Phule Krishi Vidyapeeth

The Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri is the premier Agricultural University in Maharashtra that provides farmers with Education, Research, and Extension Education. In pursuance of the Maharashtra Agricultural University (Krishi Vidyapeeth) Act 1967, the Maharashtra Agricultural University (Krishi Vidyapeeth) was initially established for the entire Maharashtra State started functioning in March 1968 with its office at Mumbai.

Electronic Information Sources and Service of Mahatma Phule Krishi Vidyapeeth

E-Books

- Astral ebooks - astralebooks.com
- CABI ebooks -
- Arts and Science Publisher - www.asapglobe.com
- Taylor & Francis
- Kart online - <https://www.cambridge.org/core/what-we-publish/books>
- New India Publishing Agency <https://www.nipaers.com/univebooks/dashboard>

E-journals

- CeRA (jgateplus.com) <http://jgateplus.com/search>
- Indian journals.

Statistical Data

- <http://www.indiaagrstat.com> (LINK is given on Jgateplus portal <https://jgateplus.com/search/?spage=authorfinder#authorfinder>)
- <http://www.fao.org>
- Govt. of Maharashtra (Agril.Dept.)
- <http://krishi.maharashtra.gov.in/1250/Taluka-Level>
- JRF /SRF Online Test Series - <https://www.nipaers.com/univhome>

Krishikosh (Institutional Repository) of ICAR, MPKV Theses of M.Sc./Ph.D. uploaded

- Krishikosh - <http://krishikosh.egranth.ac.in> (Books, Journals, Reports, Articles, Theses, etc.(full text) are available) e-Books (Full Text)
- Egranth - <http://www.egranth.ac.in>(Option krishikosh)
- E- Krishishiksha (e-courses) <https://ecourses.icar.gov.in/>
- IDEAL (A platform of Indian Agricultural Libraries) <http://agricat.egranth.ac.in>

3. Punjab Agricultural University

Punjab Agricultural University was established in 1962 to serve the state of erstwhile Punjab. It was inaugurated by Pt. Jawahar Lal Nehru, Prime Minister of India on July 8, 1963, and in February 1970, Haryana Agricultural University carved out by an Act of Parliament. In July 1970, HP Krishi Vishvavidalya was established at the Palampur campus. In 2006, the College of Veterinary Sciences was upgraded as Guru Angad Dev Veterinary and

Animal Science University at Ludhiana, modelled on the pattern of land grant colleges in the US. PAU has played a vital role in increasing food production in Punjab state and ushering in an era of Green Revolution in India and made a notable contributions in increasing livestock and poultry production in the state. In 1995, it was adjudged as the Best Agricultural University in India.

Electronic Information Sources and Service of Punjab Agricultural University

Punjab Agricultural University Library was established with a meagre collection of 200 books in 1959 in the College of Agriculture. The Foundation stone for the present building was laid in February 1969 by Dr. M. S. Randhawa. The library was shifted to the new building in 1972. However, at present, this temple of learning, with its beautiful five-story building, with a covered area of 93,320 sq. ft., centrally air-conditioned and surrounded by lush green lawns, dotted with beautiful ornamental trees and a pollution-free environment, has grown into one of the best libraries of the region - a place of pilgrimage for scholars and faculty members from all over the country. This library has 760 seating capacity in its Five Reading Halls. The library aims to provide rich knowledge to its users and to extend it further through information technology, automation, and networking

Online Databases Subscribed

- (CeRA) Consortium for e-Resources in Agriculture
- E-Books
- EBSCO Management Collection
- e-Journals
- Indiastat.com
- ISO Standards on Food Products
- Krishikosh (An Institutional Repository of Indian National Agricultural Research System)

- PAU Repository
- Other e-Resources
- Directory of PAU Faculty
- Bibliotheca Alexendrina: Royal Tropical Institute
- Dictionary
- Encyclopedia
- ICSSR Statistical Data Repository of Socio-economic and Industrial Data
- ICSSR Data Analytic Tool
- Motivational Lectures
- National Digital Library
- Open Access e-Resources
- Free Trial Access
- E-KrishiShiksha

Conclusion:

This paper has focused on the availability of electronic resources and services in three important Agricultural Universities in India. It has been observed that electronic resources and services in Tamil Nadu Agricultural University, Mahatma Phule Krishi Vidyapeeth (Agriculture University) and Punjab Agricultural University are reasonably advanced with lots of digitization activities going on in these universities. It seems that digital Library Initiatives in these universities are being run as per planned guidance. It was found that most of the Agricultural University libraries are offering the services of CeRA (Consortium for e-Resource in Agriculture), Astral e-book, Elsevier -Science, and Taylor & Francis. It is suggested that networking of Agricultural University Libraries is very essential for improving access to electronic information sources and services to agricultural scientists, academia and extension professionals across the country.

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