

# PROBLEMS AND PROSPECTS IN MANAGING CONSORTIUM FOR E-RESOURCES IN AGRICULTURE (CeRA): WITH SPECIAL REFERENCE TO AGRICULTURE LIBRARY OF CHHATTISGARH

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**Abstract** *The present paper highlights the agricultural consortium: It is a study of Consortium for e-resources in Agriculture (CeRA) which is an initiative from ICAR for the agricultural libraries of country as well as libraries of Chhattisgarh. The study is based problem and prospects in utilization of digital information resources of CeRA in IGKV Raipur Chhattisgarh during COVID-19. The outcome and findings are very positive and effective. Some problems are observed in remotely located agricultural libraries of Chhattisgarh but the facility in urban areas are very good, maximum use of CeRA through DDR by the users Chhattisgarh. Resources of various discipline/subject coverage CeRA are broad. CeRA meet the academic and research needs of faculty, research scholars and students across the country as well as Chhattisgarh. Now the time has come to think about how to strengthen for more useful CeRA facility to each and every corner of country in wider range through remote access software's or cloud computing etc. Need increase more e-resources in CeRA, financial support for maintain Consortium and collaboration of agricultural libraries. Agricultural Libraries of India as well as Chhattisgarh should also up to date from latest e-Resources and its facilities to achieve the object for which they are established.*

**Keywords:** CeRA, Krishikosh, IDEAL, AGRICAT, RFID, Ezproxy, Cloud Computing, Chhattisgarh

## INTRODUCTION

Consortium for e-Resources in Agriculture is an e-Consortium of Agricultural Libraries under the Indian Council of Agricultural Research for National Agricultural Research and Education System (NARES) Libraries. CeRA managed.

Established in 2007 under the leadership of Dr. H. Chandrashekhra, the Consortium for e-Resources in Agriculture (CeRA) is the first of its kind for facilitating 24x7 online accesses of important journals in agricultural and related subject to all researchers, professor and students, policy makers, and agricultural specialists in NARS through IP based authentication. The 152 Consortium members consist of ICAR institutes/NRCs/Directorate/Project Directorates/National Bureau etc. and State Agricultural Universities. CeRA is now the most popular on online

platform for scientists/professor, research worker in NARS for literature search for their professional requirements. As a result CeRA doing tremendous work to increase agricultural research, education and extension activities of National Agricultural Research System institution in getting excellence and achieving high level in result and service to the agricultural community.

## OBJECTIVES OF THE STUDY

- To find out the purpose of use consortium;
- To measure the frequency of use CeRA consortium;
- To identify the problems in managing CeRA consortium;
- To identify the prospects of accessing the consortium;
- To identify the problems faced by the users;

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## Objectives of Consortium for e-Resources in Agriculture

- To upscale the existing R&D information resource base of ICAR Institutions/State Agricultural Universities comparable to world's leading institutions/organizations.
- To subscribe online journals/e-Resources and create e-access culture among scientists/faculty in ICAR institutions/Agricultural Universities.

## Facility of Consortium for e-Resources in Agriculture

- Access of journals/e-Resources through IP authentication.
- Document Delivery Request System (DDR).
- Access through Remote access facility (Ez - Proxy).

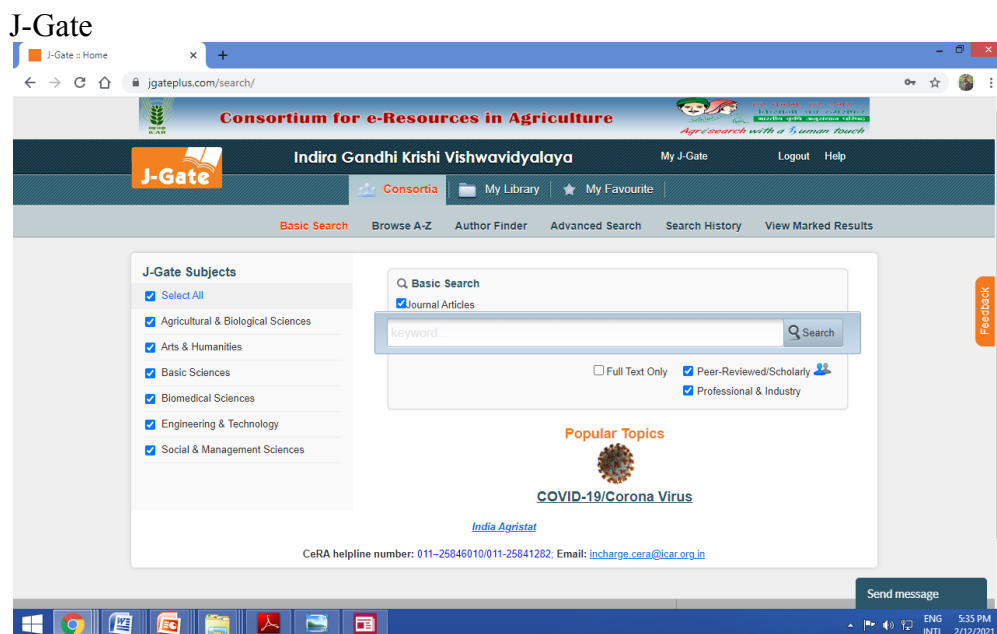
## Publishers Covered under Consortium for e-Resources in Agriculture

- Informatics
- Elsevier
- Oxford University Press
- SpringerNature (Formerly Springer)
- SpringerNature (Formerly Nature Publishing Group)
- Taylor & Francis
- Wiley
- IndiaAgriStat.com

## Journals Covered under Consortium for e-Resources in Agriculture

- Oxford University Press
- Springer
- Wiley

e-Books Covered under Consortium for e-Resources in Agriculture More than 1174 Books covered in CeRA.



## CHHATTISGARH

Chhattisgarh is a tribal dominate state and most of the peoples are living in remote areas i.e. Bastar, Surguja and other remote part of state. Initiative for the library legislation was started from Nehru Library IGKV Raipur in 2003 to organize the National Workshop cum Seminar on Role of Libraries in the Development of Chhattisgarh on February 6, 2003 in which one whole session was on library legislation. During Conference on librarian proposal the need of library legislation in Chhattisgarh, Chief Minister of Chhattisgarh declared Library Legislation for Chhattisgarh at Indira Gandhi Krishi Vishwavidyalaya, Raipur and therefore, in

Chhattisgarh Library Legislation (Sarvjanik Pustakalya Adhiniyam) 2008 formed on 9<sup>th</sup> July 2008 for development of library sector of this state.

## AGRICULTURAL LIBRARIES AND ITS SERVICES IN CHHATTISGARH

In Chhattisgarh there are state agricultural universities, constituent college i.e. agricultural, horticultural, agricultural engineering, veterinary, animal husbandry, dairy, food engineering, fisheries) college libraries and ICAR institutes library are smoothly working. The main purpose of these

libraries to fulfill the object of institution for that they established. These libraries support in education, research, extension activities of concern institution. These libraries strengthening with the help of Indian Council of Agricultural Research, New Delhi. Services of these libraries are web browsing, Consortium for e-Resources in Agriculture (CeRA), Online Journals, Krishikosh e-Thesis Repository, IGKV Theses Database, AGRICAT, , CD-ROM Database, E Book/e-Library Krishi Gyan Portal, e-Resources, Online Public Access Catalogue (OPAC), In house Repository, Wi-Fi Services, Online library information, Barcode based circulation, Reading services/Loan privilege, SC-ST Book Bank, Photocopy service, Documentation Services, Bibliography and Abstracting Services, Reference Services, Awareness Training Programme, Library and Information Science Course for PG and Ph.D. Students, Remote Access Library facilities through EZproxy and web page and based services of all the constituent college libraries etc. Library, Indira Gandhi Krishi Vishwavidyalaya, Krishak Nagar, Raipur-492012, Chhattisgarh, is the main agricultural library of Chhattisgarh. The University Library established in 1987. Nehru Library of IGKV is well equipped with the modern automated services. This was strengthening by the involvement of ICAR through NATP/NAIP. Chhattisgarh Government supported for it's infra structure development and provided other facilities. The library is functioning as

Central Library of Indira Gandhi Krishi Vishwavidyalaya. The Library is well equipped with latest communication and information technologies including web based information, CD Rom search and internet browsing. The library is a member in various national consortiums for online journals and repositories. Nehru Library maintains around one lakh collection of books, reports, theses, monographs, journal volumes, e-Resources, Various Database and other reference material. Library subscribes > one hundred fifty five journals in physical form and > three thousand electronically through CeRA. The library has a working 'Cybrary' with highly configured terminals and Wi-Fi connectivity with CCTV and anti-theft security systems. Under the IGKV umbrella following Constituent College and affiliated college Libraries are working smoothly. The library has a working 'Cybrary' with highly configured terminals and wi-fi connectivity with CCTV and RFID anti-theft security systems. Web browsing, Online Journals, Consortium for e-Resources in Agriculture (CeRA), Jgateplus, Krishiprabha e-Thesis Repository, IGKV Theses Database, AGRICAT, Krishikosh, CD-ROM Database, E Book/e-Library Krishi Gyan Portal, e-Resources, Online Public Access Catalogue (OPAC), In house Repository, Online library information, Barcode based circulation, Reading services/Loan privilege, SC-ST Book Bank, Photocopy service, Documentation Services, Bibliography and Abstracting Services,

## AGRICULTURE

01	Library, College of Agriculture, IGKV, Raipur	UG, PG & Ph.D.	1961-62
02	Library, Barister Thakur Chhedilal College of Agriculture and Research Station, Bilaspur	UG, PG	2001-2002(UG), 2015-16(PG)
03	Library, Raj Mohini Devi College of Agriculture and Research Station, Ajirma, Ambikapur	UG, PG	2001-2002(UG), 2015-16(PG)
04	Library, Saheed Gundadthur College of Agriculture and Research Station, Kumharavand, Jagdalpur	UG, PG	2001-2002(UG), 2015-16(PG)
05	Library, Saint Kabir College of Agriculture and Research Station, Kawardha, District-Kabirdham	UG	2007-2008
06	Library, College of Agriculture, & Res. Station Janjgir Champa	UG	2011-2012
07	Library, College of Agriculture, & Res. Station Bhatapara	UG	2012-2013
08	Library, Pt. Shiv Kumar Sastry College of Agriculture and Research Station, Rajnandgaon	UG	2013-2014
09	Library, College of Agriculture, & Res. Station, Raigarh	UG	2013-2014
10	Library, College of Agriculture, & Res. Station, Baikunthpur	UG	2013-2014
11	Library, College of Agriculture, & Res. Station, Bemetara	UG	2013-2014
12	Library, College of Agriculture, & Res. Station, Kanker	UG	2013-2014
13	Library, College of Agriculture, & Res. Station, Naryanpur	UG	2018-19
14	Library, College of Agriculture & Res. Station, Gariyaband	UG	2018-19
15	Library, College of Agriculture, & Res. Station, Korba	UG	2018-19
16	Library, College of Agril. & Res. Station, Kurud	UG	2018-19
17	Library, College of Agriculture & Res. Station, Mahasamund	UG	2018-19

18	Library, College of Agril. & Res. Station, Chhuikhadan	UG	2018-2019
19	Library, College of Agril. & Res. Station, Jashpur	UG	2018-2019
20	Library, College of Agriculture & Res. Station, Saja	UG	2019-2020
21	Library, College of Agril. & Res. Station, Marra	UG	2019-2020
<b>Horticulture</b>			
22	Library, Pt. Kishori Lal Shukla College of Horticulture & Research Station, Rajnandgaon	UG, PG	2011-2012(UG), 2017-18(PG)
23	Library, College of Horticulture & Research Station, Jagdalpur	UG	2013-2014
<b>Agricultural Engineering</b>			
24	Library, Bhawani Sao Ramlal Sao Memorial College of Agril. Engineering & Technology & Research Station, Mungeli	UG, PG	2007-2008
25	Library, Swami Vivekanand College of Agricultural Engg. & Technology & Research Station, Krishak Nagar, Raipur	UG, PG Ph.D.	1996(PG Ph.D.), 2013-2014(UG)

## AFFILIATED PRIVATE COLLEGES

<b>Agriculture</b>			
26	Bharti College of Agriculture, Padmanbhpur, Pulgon Chouk, Durg	UG	2001-2002
27	Bhoramdeo College of Agriculture, Kawardha	UG	2002-2003
28	Chhattisgarh College of Agriculture, Risali (Bhilai), Durg	UG	2001-2002
29	College of Agriculture,, Ambagarh Chwoki, Distt.-Rajnandgaon	UG	2003-2004
30	College of Agriculture, In front of Collector Office, Dantewada	UG	2003-2004
31	College of Agriculture, Jorapali (Kenapali) Road, Raigarh	UG	2003-2004
32	Mahamaya College of Agriculture, Nagri Road, Village-Siyadehi, Post - Aroud, Dhamtari	UG	2001-2002
33	Mardarshan Sansthan College of Agriculture, Ring Road, Chopra Para, Ambikapur, Sarguja -	UG	2002-2003
34	Shriram College of Agriculture, Shriram Prisar, Rajnandgaon	UG	2002-2003
<b>Horticulture</b>			
35	Danteshwari College of Horticulture, Near Manoupchar Hospital, Mana Basti, Raipur	UG	2001-2002
36	Gayatri College of Horticulture, Gokulpur Rudri Road, Dhamtari	UG	2002-2003
37	Kanhaiya Lal College of Horticulture, Dhamtari	UG	2002-2003
38	Rani Durgawati College of Horticulture, Meduka, Distt. - Bilaspur	UG	2002-2003
<b>Agricultural Engineering</b>			
39	Bharti College of Agricultural Engineering, Padmanbhpur, Durg	UG	2002-2003
40	Chhattisgarh College of Agricultural Engineering, Risali, Durg	UG	2002-2003

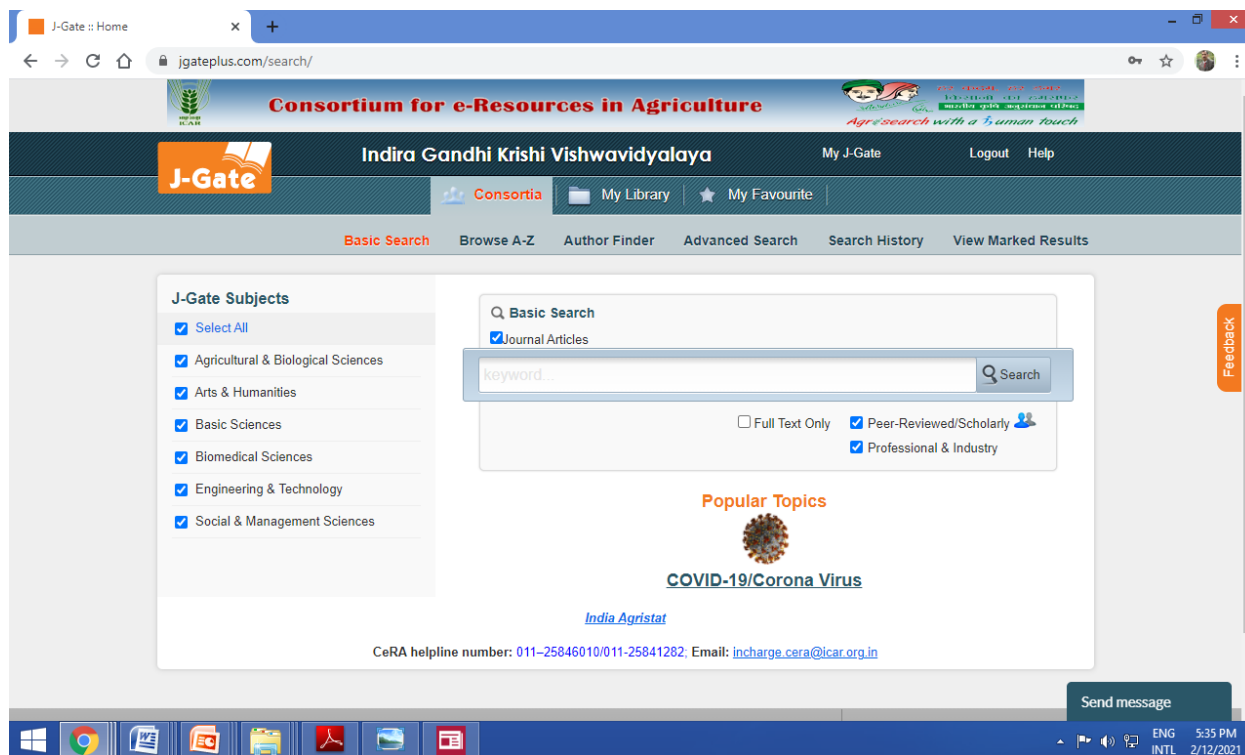
2. Shri Dau Vasudev Chandrakar Chhattisgarh Kamdhenu Vishwavidyalaya, Anjora Durg Chhattisgarh, India

1	University Library, Chhattisgarh Kamdhenu Vishwavidyalaya, Anjora (Durg)
2	Library, College of Veterinary and Animal Husbandry, Anjora (Durg)

3	Library, College of Dairy Science and Food Technology, Raipur
4	Library, College of Fisheries, Kawardha

1. Horticulture and Forestry University: Library, Mahatma Gandhi Horticulture and Forestry University, Sankra Patan, Durg Chhattisgarh

Library, National



### Usage Statistics of Consortium for e-Resources in Agriculture in Chhattisgarh

January-February 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	01/2020
To	02/2020
Group Name	Total
TOTAL HITS	12230
Total Logins/Sessions	894
Searches	6395
Fulltext/Abstract Views	2350
ILL Requests/Enquiries	291
TOC Browsing	1058
Profiles Created	58
E mail Alerts	90
RSS Feeds	1
Others	1093

March-April 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	03/2020

To	04/2020
Group Name	Total
TOTAL HITS	9514
Total Logins/Sessions	619
Searches	5678
Fulltext / Abstract Views	1367
ILL Requests/Enquiries	65
TOC Browsing	883
Profiles Created	8
E mail Alerts	15
RSS Feeds	0
Others	879

May-June 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	05/2020
To	06/2020
Group Name	Total
TOTAL HITS	14611
Total Logins/Sessions	703
Searches	8535
Fulltext/Abstract Views	2639
ILL Requests/Enquiries	49
TOC Browsing	1400

Profiles Created	6
E mail Alerts	0
RSS Feeds	1
Others	1278

## July-August 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	07/2020
To	08/2020
Group Name	Total
TOTAL HITS	9709
Total Logins/Sessions	477
Searches	5788
Fulltext/Abstract Views	1868
ILL Requests/Enquiries	47
TOC Browsing	600
Profiles Created	6
E mail Alerts	15
RSS Feeds	2
Others	906

## September-October 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	09/2020
To	10/2020
Group Name	Total
TOTAL HITS	16083
Total Logins/Sessions	838
Searches	8744
Fulltext/Abstract Views	3239
ILL Requests/Enquiries	89
TOC Browsing	1432
Profiles Created	14
E mail Alerts	1
RSS Feeds	0
Others	1726

## November-December 2020

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	11/2020
To	12/2020
Group Name	Total
TOTAL HITS	19010
Total Logins/Sessions	1326

Searches	10789
Fulltext/Abstract Views	3991
ILL Requests/Enquiries	183
TOC Browsing	1243
Profiles Created	92
E mail Alerts	8
RSS Feeds	0
Others	1378

## January-February 2021

J-Gate Usage Report	
Indira Gandhi Krishi Vishwavidyalaya	
From	01/2021
To	02/2021
Group Name	Total
TOTAL HITS	310579
Total Logins/Sessions	7010
Searches	75609
Fulltext/Abstract Views	131166
ILL Requests/Enquiries	33552
TOC Browsing	33821
Profiles Created	365
E mail Alerts	114
RSS Feeds	5
Others	28937

## INTERPRETATION

Usage Statistics of Consortium for e-Resources in Agriculture in Chhattisgarh shows that users of Nehru Library, IGKV are using frequently but during lock down period CeRA using pattern tremendously increased in IGKV Raipur.

Impact of Consortium for e-Resources in Agriculture in agricultural research and education of Chhattisgarh

There is several prospects in using CeRA in Chhattisgarh

- Save lot of money
- Share resources without sacrificing the individuality to each member library.
- Consortia-based subscription to electronic resources provides access to wider number of electronic resources at regularly on lower cost.
- Improve Library services
- Better Document delivery of services. Library Consortia:
- Save shelving cost, reduce space
- Improve quality of research paper, improve quantity of research paper, release new crop varieties, improve thesis standard.

- Chhattisgarh recognised so many times in crop production Libraries of Chhattisgarh i.e. Nehru 8. Library IGKV got best user profile CeRA award convenue from last 3 year

Problems of Consortium for e-Resources in Agriculture in Chhattisgarh

- In Chhattisgarh in use of CeRA there are some problems in availing facility in remote areas i.e. Connectivity,
- Unreliable telecommunication links and insufficient bandwidth.
- Electricity.
- Lake of awareness and Insufficient knowledge.
- Lake of trend manpower's library professionals.
- Negative thinking attitudes

## CONCLUSION

Indian Council of Agricultural Research, New Delhi is providing lot of support for increasing standard of agricultural education and research in country. Consortium for e-Resources in Agriculture is an important agriculture knowledge based support for agricultural students and researcher etc. CeRA make easily availability of e-resources on agricultural for agricultural community in a single platform. Education division of ICAR concentrate for strengthening and development of agricultural libraries and documentation & information centers for improving agricultural education and research though various consortium (CeRA), institutional repository (Krishikosh), online union catalogue (IDEAL), KVK Portal, Agricultural education portal, mobile apps and ICAR, e-courses (study materials) etc.

Consortium for e-Resources in Agriculture (CeRA), is providing access to e-resources to more than 150 libraries in ICAR institutes and agricultural universities. This is a very good effort to bringing e-resources online full text journals, reprints, review materials, eBooks, e-thesis, DDR facility and other e resources to students and scientists. CeRA have a lot of facility for getting agricultural knowledge, but there are some problems in availing facility in remote areas i.e. connectivity, electricity and lake of awareness and trend manpower's. Now the time has come to think about how to strengthen for more useful CeRA facility to each and every corner of country in wider range through remote access software's or cloud computing etc. Need increase more e-resources in CeRA, financial support for maintain Consortium and collaboration of agricultural libraries. Agricultural Libraries of India as well as Chhattisgarh should also up to date from latest e-Resources and its facilities to achieve the object for which they are established.

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