



Knowledge Management in Indian Council of Agricultural Research (ICAR)

Integrating Diamond Open Access

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Feb. 5, 2026 | Thursday

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ICAR-Advancing Agriculture through Science & Innovation

115 Research Institutes



•Established: 1929

•Headquarters: New Delhi

•Autonomous organization under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture & Farmers' Welfare

•Public Funded entity

80 Agricultural Universities



- Promote **scientific research** in agriculture & allied sciences
- Develop **high-yielding, climate-resilient crops**
- Improve **livestock, fisheries & natural resource management**

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- Strengthen **agricultural education & training**
- Transfer technology to farmers through **extension programs**

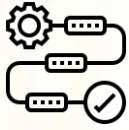


Agricultural Knowledge Management in ICAR

Connecting People, Process and Technology



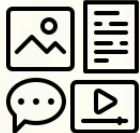
People: Scientists, Extension workers, Farmers.



Process: Research cycles, Validation, Dissemination.



Technology: Portals, Repositories, DSS (Decision Support System) Tools.



Content: Data, Publications, Patents, Indigenous Practices.

Systematically managing all knowledge assets to create value and meet tactical & strategic goals

ICAR-Directorate of Knowledge Management in Agriculture (DKMA)

Strengthening Communication and Knowledge Management in Agriculture in the Digital Era

- Nodal institute of ICAR for knowledge management and dissemination
- Central role in publishing, communication, and outreach
- Bridge between research, extension, policymakers, and farmers

Mandate

- Dissemination of agricultural research and innovations
- Promotion of ICAR's scientific achievements to enhance its visibility and impact
- Management of print and digital knowledge platforms

Research journals and popular magazines

- Indian Journal of Agricultural Sciences
- Indian Journal of Animal Sciences
- Indian Farming
- Indian Horticulture
- Kheti
- Phal-Phool



E-Publishing and Knowledge System in Agricultural Research (e-PKSAR)

A subproject of the World-Bank funded National Agricultural Innovation Project (NAIP) 2008-2014

- To develop a web-enabled, full-text, searchable digital archive of the back issues (for last 15 years) periodicals/journals and ICAR- funded societies
- To develop on-line, web-based agricultural research journal publishing system
- Development of suitable guidelines, policies and Business model for marketing/ sale of e-journals.
- To develop an improved DKMA portal and integrate the digital archive, e-journal publishing system, e-journal production system and e-commerce tools.
- Capacity building in the field of e-editing, e-publication etc.
- Strengthening of Local Area Network including wired and wireless connectivity

ICAR Open Access Policy

- **Institutional Repositories & Central Access:** Every ICAR institute shall establish an Open Access (OA) Institutional Repository. ICAR will also create a **central harvester to collect metadata and full-text** from all repositories for one-stop access to ICAR's agricultural knowledge.
- **Scope of Content:** **All publications and grey literature** (research articles, books, reports, theses, proceedings, newsletters, case studies, speeches, etc.) must be deposited in OA repositories. Institutes may also share unpublished works and public outreach content (e.g., YouTube, social media) with appropriate disclaimers.
- **Mandatory Deposit & Author Responsibilities:** **Authors funded by ICAR or public funds must deposit the final peer-reviewed manuscript (pre/post prints) immediately upon acceptance.** Theses, dissertations, and completed project reports must also be deposited, with metadata openly available from the date of submission.

ICAR Open Access Policy (2009)

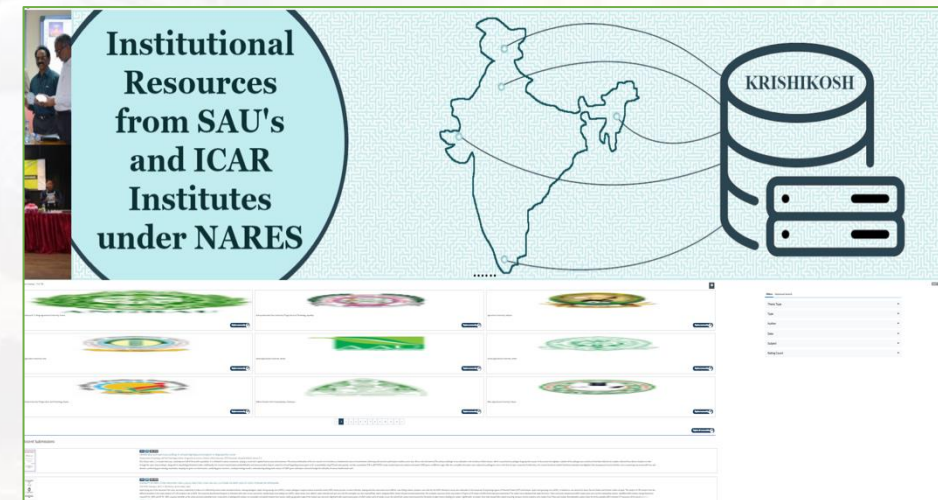
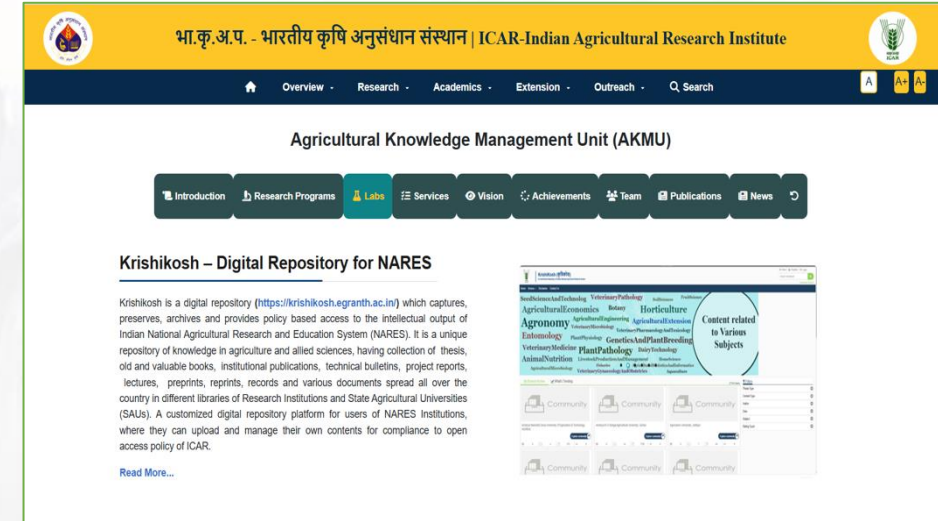
- Copyright, Licensing & Embargo:** Metadata is copyrighted by ICAR and licensed for academic and research use. Commercial reuse requires permission. Authors should mention ICAR's OA policy in publisher agreements, with any embargo not exceeding 12 months.
- Publishing & Exceptions:** ICAR journals and ICAR-funded publications must be Open Access. Researchers are encouraged to publish with self-archiving-friendly publishers. Documents involving patents, commercialization, or legal restrictions may be excluded or shared after a suitable embargo.
- Implementation & Review:** DKMA will act as the nodal agency, conduct training, and promote open-source repository tools. OA implementation will be phased over **three years**, with periodic review of progress, compliance, and impact.

IARI Krishikosh: Open-Access Digital Repository

<https://krishikosh.egranth.ac.in/home>

-  **Central Hosting** : ICAR–IARI, New Delhi
-  **Decentralized Management** : Managed by participating institutions
-  **Subject Coverage** : Agriculture & Allied Sciences
-  **Content Types:** Bulletins • Publications • Manuals • Reports • Theses •
-  **Content Sources:** Research Institutes & AUs (India)
-  **Access Mode** : View-only (No Downloads)
-  **Content Responsibility:** Source institutions (Accuracy, IPR)
-  **Liability** : Krishikosh not responsible for content
-  **User Access** : Continuous efforts for smooth availability

- Institution-specific repository maintained by the **Indian Agricultural Research Institute (IARI)**.
- Designed using open source software **DSpace** which has an efficient Integrated Content Management System (ICMS)
- One of the **largest open collections** of Indian agricultural **theses**
- Krishikosh provides deep, institution-specific, high-quality agricultural research content, particularly strong in theses and experimental research, making it extremely valuable for researchers, postgraduate students, extension professionals, policy and technology developers in agriculture



Kisan Sarathi – Digital agro-advisory platform

<https://kisansarathi.in/>

Kisan Sarathi
POWERED BY IIDS
System of Agri-information Resources Auto-transmission and Technology Hub Interface

Kisan Sarathi IVRS is currently available in 13 languages, implemented across 34 states & UTs through 731+ KVKs

Farmer Registration
Available:
Monday to Saturday 9.00AM to 5.00PM

Jointly Implemented By:

भारतीय कृषि अनुसंधान परिषद
Indian Council of Agricultural Research

भारतीय कृषि सांख्यिकी अनुसंधान संस्थान
Indian Agricultural Statistics Research Institute

Digital India Corporation
Ministry of Electronics & Information Technology

- Built to empower farmers with timely, authentic and multilingual advisories, access to schemes, weather updates and expert consultations.
- Connecting farmers to 115 ICAR institutes, 80 AUs, 731 KVKs
- Integrating Kisan Call Centre, Common Service Centres, IMD, MyScheme, Bhashini

JOINT INITIATIVE OF
Indian Council of Agricultural Research & Digital India Corporation

- ✔ Intelligent online platform for supporting agriculture at local niche with national perspective.
- ✔ Intended to provide a seamless, multimedia, multi-ways connectivity to the farmers with the research and extension network of ICAR having:
 - Latest Agricultural Technologies.
 - Rich knowledge base of Agriculture.
 - Pool of Agricultural Experts.
- ✔ Taking leverage of features of Interactive Information Dissemination System (IIDS):
 - Pull and Push based Advisory system using Mobile Phones.
 - 'Right Information' at 'Right Time' in desired 'Mode and Language'.
 - Customizable and need based information delivery to Farmers .
 - Know Your Farmers (KYF) facility to subject matter Experts.
 - Enhances the outreach of National Agricultural Research, Education and Extension System.

PLATFORM FEATURES

- Personalized 'Advisory' Based on 'Farm and Farmers' Profile'.
- 'Live Interaction' in Local Language with Domain Experts
- 'Anywhere Anytime Access' on Past Advisories
- Dashboard & MIS for Monitoring and Evaluation
- Call Facilities – Call on Mobile, Click to Call, Call Conferencing, Call Recording
- Access to Knowledge & Farmer Database – Know Your Farmer (KYF)
- 'Push Alert Message' based on 'Location and Domain'
- Facility to Register through Toll Free and Web

KISAN SARATHI
Powered by IIDS

IVRS/Toll free Number (TOLL FREE)

SMS Gateway (SMS)

Web Application

27543143
Farmers Registered


751
Registered Institutions


343859
Villages Covered

ICAR Publication Repository

<https://krishi.icar.gov.in/jspui>

 **Hosting :** IASRI, New Delhi

 **Subject Coverage :** All agricultural and allied subjects

 **Content Types:** Bulletins • Publications • Manuals

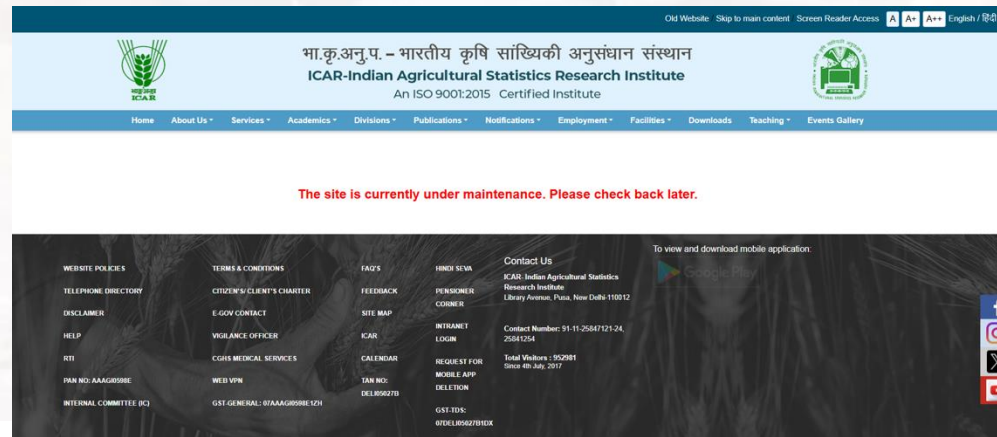
• Reports • Theses •

 **Content Sources:** All ICAR institutes

 **Content Responsibility:** Source institutions

User Access : Full text, Open-access

- The **ICAR Publication Repository** (KRISHI Portal) is the centralized data repository system of the ICAR, managed by the Indian Agricultural Statistics Research Institute (IASRI), New Delhi
- Developed to bring all ICAR knowledge resources (including technology, data from experiments and surveys, geo-spatial data, publications, and learning materials) into a single online location.
- Helps implement electronic research data management across ICAR institutes.
- **Resource Access:** It provides access to six main repositories: technology, publications, experimental data, observational data, survey data, and a geo-portal.
- KRISHI Portal itself a knowledge resource consisting of many more repositories (Interportal Harvester <https://krishi.icar.gov.in/iph>)



The screenshot shows the website header for the ICAR-Indian Agricultural Statistics Research Institute. The header includes the organization's name in Hindi and English, its ISO 9001:2015 certification, and a navigation menu. A red message in the center states: "The site is currently under maintenance. Please check back later." The footer contains various links such as "Website Policies", "Terms & Conditions", "Contact Us", and "Request for Mobile App".

Agri – DIKSHA: Agri Web Education Channel

Interactive portal for broadcasting recorded videos/lectures/education content

Agri-DIKSHA
Agri Web Education Channel

Discover
THE WORLD OF AGRICULTURAL EDUCATION THROUGH
ICAR'S E-LEARNING PORTAL!
Destination for a comprehensive agricultural education across a wide range of subjects.

Highlights

- Crispy Ready Reckoner
- Exhaustive Question Bank
- Downloadable Course Content

Currently Offering

- 70+ Postgraduate (PG) level courses
- 160+ Undergraduate (UG) level courses

youtube.com/@icariasri @Icarlasri /Icar-lasri

<https://agridiksha.krishimegh.in/>

Total Videos
3,556

Total Views
1,67,058

Contributing Universities
71

E- Learning Portal

A comprehensive online platform that offers a wide range of agricultural education and resources



Strengthening of
Agricultural
Education System in
India



Provides access to
educational
resources anytime,
anywhere on all
kinds of devices



Offers UG and PG
courses aligned with
the agricultural
curriculum



Provides resources,
self assessment,
quizzes, making
learning more
convenient and
flexible



High quality courses created by renowned
Agriculture faculty



Meticulously designed Agricultural courses

Content aligned with academic curriculum

Mobile and computer friendly content

Study at your own pace, anytime and anywhere

Assessing your progress with interesting assessments

Content created by subject matter experts

80+
PG
Courses

E- courses created and reviewed by renowned faculty from SAUs & ICAR Deemed Universities.

170+
UG
Courses

youtube.com/@icariasri | @IcarIasri | @shorturl.at/Y8vg3

<https://elearning.icar.gov.in/>

ICAR Open Access Publishing Portals

E-Pubs (<https://epubs.icar.org.in/>)

E-Patrika (<https://epatrika.icar.org.in/>)

E-Book (<https://ebook.icar.org.in/>)

- Centralized scholarly publishing platform of ICAR based on Open Journal Systems (OJS)
- Hosts 60+ peer-reviewed ICAR research journals
- End-to-end digital workflow: submission to publication
- Open access dissemination ensuring global visibility and accessibility, follows global ethical standards
- Integrated with DOI and plagiarism checking services
- No APCs for author and free to read, ensuring equitable access to knowledge.

ICAR Open Access Publishing Portals

- Fully owned and managed by ICAR with no commercial publisher involvement
- Preserved via PKP PN, DOAJ, FAO AGRIS, and secure offline archives.
- Content discoverable via Google, Bing, Yahoo, ChatGPT, Meta, and Amazon

Indian Agricultural Research Journals

	<p>The Indian Journal of Agricultural Sciences</p> <p>A journal devoted to experimental agriculture and abstracted by all the major abstracting services. It includes articles on cytology, genetics, breeding, agronomy, soil science, horticulture, water use, microbiology, plant diseases and pest, agricultural engineering, economics and statistics with emphasis on original articles, from India and countries having similar agricultural conditions. NAAS Rating (2025): 6.3</p> <p>Indexed in Elsevier Scopus, Clarivate Analytics ESCI, SJIF, DOAJ, Google Scholar and Crossref</p> <p>EDITORIAL BOARD</p> <p>Subscription Information for Print Version</p> <p>View Journal Current Issue</p>
	<p>The Indian Journal of Animal Sciences</p> <p>This journal caters to a wide clientele comprising veterinarians, researchers and students. Articles are included on animal breeding and genetics, immunology, biotechnology, diseases, medicine and pharmacology, anatomy and histology, surgery, pathology, physiology, nutrition, milk, meat and other animal products, housing and fisheries from India and internationally. NAAS Rating (2025): 6.2</p> <p>Indexed in Elsevier Scopus, Clarivate Analytics ESCI, SJIF, DOAJ, Google Scholar and Crossref</p>



Food and Agriculture Organization of the United Nations

AGRIS Data provider 2026

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Present Standing and Visibility of ICAR e-Pubs Portal



No. of users

21,15,183

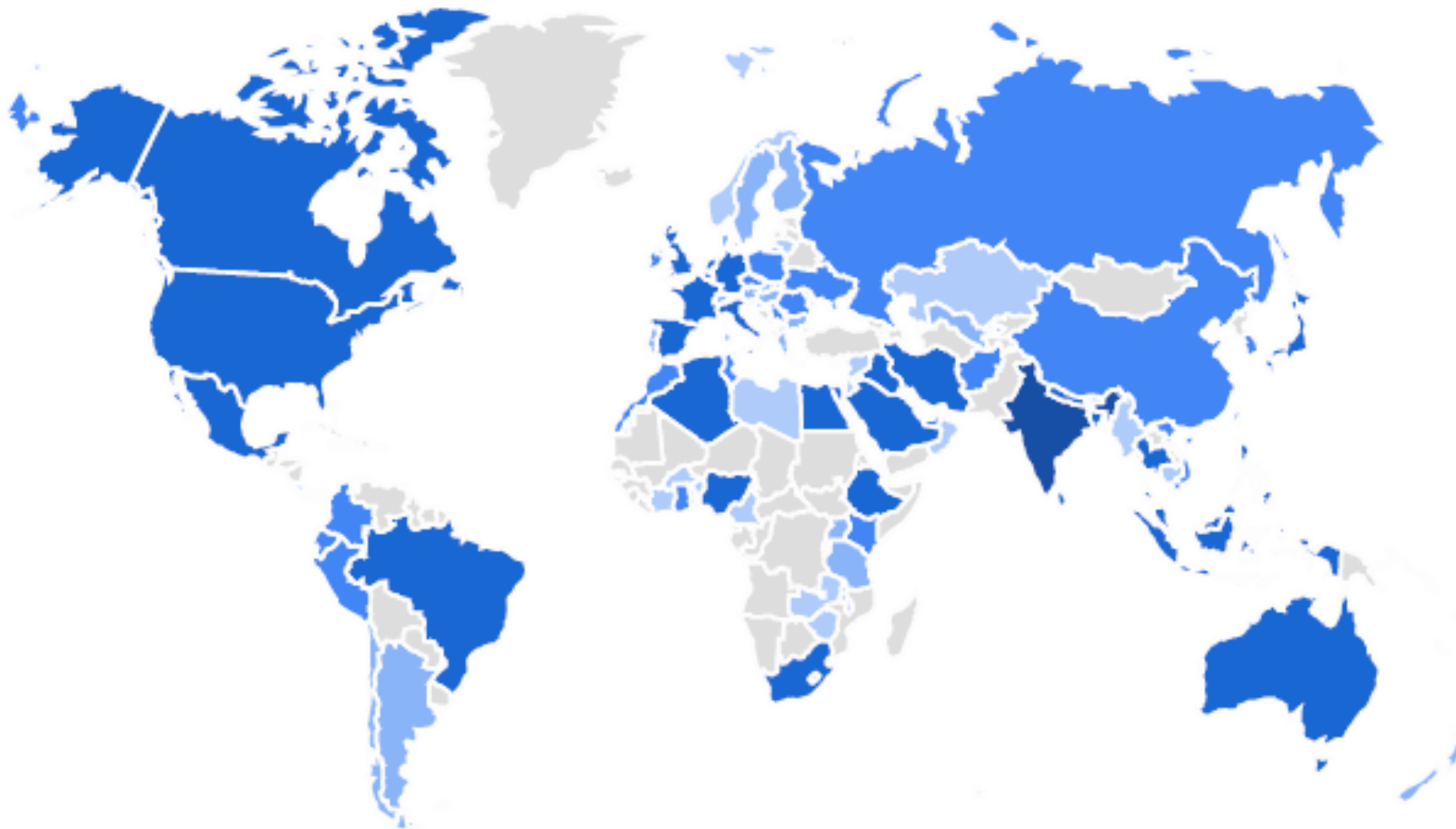
Articles Received
Yearly = 25,000+

Articles published
Yearly = 3,500+

Total visits

232,000
(192 Countries)

Indian Agricultural Research Journals



Knowledge is the only resource that increases when shared



भारत
ICAR

भारतीय कृषि के आधार

ICAR



THANK YOU

**ICAR–DKMA Welcomes Global
Collaboration**

Open to partnerships with international
Open Access and scholarly communities