

Forestry Libraries in Rajasthan: Reference to AFRI Jodhpur's Library and Information Centre

Shivdan Singh Rajput¹ and Dr. Shesh Mishra²

Research Scholar, Department of Library and Information Science¹

Research Supervisor & Faculty of Department of Library and Information Science²

Banasthali Vidyapith, Niwai, Rajasthan, India

Abstract: *Forestry libraries are crucial in supporting research, education, and policy-making in the field of forestry and environmental conservation. In Rajasthan, a state known for its unique forest ecosystems, forestry libraries play a pivotal role in advancing knowledge and fostering sustainable forest management. This paper provides an overview of Forestry libraries play an essential role in promoting research, knowledge dissemination, and the sustainable management of forest resources. The Arid Forest Research Institute (AFRI) in Jodhpur, Rajasthan, is a key institution focusing on the study of arid and semi-arid forest ecosystems. The library at AFRI Jodhpur has become a cornerstone in supporting the institute's research, policy formation, and educational initiatives. This research paper provides a detailed overview of the AFRI Jodhpur Library, highlighting its contributions to the forestry sector in Rajasthan, the types of information resources and services it provides, and the challenges it faces in its mission to support sustainable forest management and research in arid regions*

Keywords: *Forestry libraries*

I. INTRODUCTION

Rajasthan, the largest state in India, is home to a diverse range of ecosystems, including desert, semi-arid, and forest regions. Forests in Rajasthan cover approximately 9.3% of the state's total area, providing vital ecosystem services, supporting biodiversity, and contributing to the livelihoods of rural communities. The role of forestry libraries in Rajasthan is crucial in facilitating research, policy formulation, and the sustainable management of these forest resources. These libraries support the work of forest professionals, researchers, policymakers, and students by providing access to specialized resources and services.

The Arid Forest Research Institute (AFRI), based in Jodhpur, is dedicated to research in the domain of dryland forests, desertification, agroforestry, and sustainable forest management. Established by the Indian Council of Forestry Research and Education (ICFRE), AFRI aims to generate innovative solutions for forest management in arid regions. The library of AFRI plays an instrumental role in this mission, providing access to a wide range of information resources that aid researchers, policymakers, and students.

The main objective of this paper is to explore the role and function of forestry libraries in Rajasthan, identify key institutions, examine the types of information resources they offer, and understand the challenges they face in promoting effective forest management and conservation in the state and in-depth look at the AFRI Jodhpur Library's contributions to forestry research in Rajasthan, focusing on its information resources, services, and challenges.

II. FORESTRY IN RAJASTHAN: A BRIEF OVERVIEW

Rajasthan's forests are primarily located in the Aravalli hills, the southern part of the state, and the Thar Desert region. The state is home to several important forest types, including tropical dry deciduous forests, thorn forests, and desert ecosystems. These forests harbor a wealth of biodiversity, including species of flora and fauna that are adapted to the harsh conditions of the desert and semi-arid environments.

Forest management in Rajasthan is undertaken by the state forest department, which focuses on conservation, afforestation, biodiversity preservation, and combating desertification. The state also faces challenges related to water

scarcity, deforestation, and the need for sustainable land use practices, all of which make the role of forestry libraries in providing information and research support even more critical.

III. OVERVIEW OF THE ARID FOREST RESEARCH INSTITUTE (AFRI), JODHPUR

AFRI Jodhpur is a research institution under the Indian Council of Forestry Research and Education (ICFRE), primarily focused on the management and conservation of arid and semi-arid forest ecosystems. Rajasthan's drylands present unique challenges such as soil erosion, desertification, and loss of biodiversity. AFRI Jodhpur conducts research on desertification control, sustainable land management, and biodiversity conservation in these fragile ecosystems.

The AFRI library supports this mission by providing a range of scholarly resources and services that contribute to both local and global efforts in forest management, conservation, and research in arid regions.

IV. FORESTRY LIBRARIES IN RAJASTHAN

Forestry libraries in Rajasthan are housed in various government agencies, research institutions, and universities. These libraries play a central role in supporting the state's forestry research, policy formulation, and educational efforts.

Rajasthan State Forest Department Library: The Rajasthan State Forest Department (RSFD) library is one of the primary resources for forest officers, policymakers, and researchers in the state. The library provides access to government reports, policy documents, and technical publications related to forest management, wildlife conservation, and desertification control. It serves as an essential repository of information on forest laws, conservation strategies, and the management of forest resources in Rajasthan.

Maharana Pratap University of Agriculture and Technology (MPUAT) - Forestry Department Library: MPUAT in Udaipur has a dedicated forestry department that offers educational programs and conducts research in forestry and agroforestry. The university's library supports students and researchers in these programs by providing access to a wide range of resources, including textbooks, journals, research papers, and government publications. The library is particularly focused on sustainable forest management, agroforestry systems, and forest-based livelihoods in Rajasthan.

Rajasthan Biodiversity Board (RBB) Library: The Rajasthan Biodiversity Board (RBB) focuses on the conservation of Rajasthan's rich biodiversity, including the state's forest ecosystems. The RBB library houses resources on flora, fauna, biodiversity management, and conservation initiatives. The library provides research materials that support biodiversity assessments, wildlife conservation efforts, and ecological restoration projects in the state.

Government Colleges and Universities with Forestry Departments: Several universities and colleges in Rajasthan, including the University of Rajasthan in Jaipur and Jai Narain Vyas University in Jodhpur, offer programs in forestry and environmental sciences. These institutions maintain specialized libraries that support academic research in forestry, conservation biology, and environmental management. The libraries in these universities provide access to literature that is critical for the academic development of students and researchers in the field of forestry.

Arid Forest Research Institute (AFRI) Library & Information Center: The Arid Forest Research Institute (AFRI) in Jodhpur is a renowned research organization, and its regional center in Rajasthan offers a specialized library for forest research. This library provides access to research publications, technical reports, and scholarly journals related to forest science, ecology, and environmental management. It supports research initiatives focusing on Rajasthan's unique desert and semi-arid forests and provides a wealth of knowledge on forest regeneration and conservation techniques suitable for arid climates.

V. OVERVIEW OF THE ARID FOREST RESEARCH INSTITUTE (AFRI), JODHPUR

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5.1 Importance of Forestry Libraries in Arid Regions

Forestry libraries in arid regions like Rajasthan serve a critical role in advancing the knowledge base required for managing unique forest types and mitigating challenges like desertification, water scarcity, and biodiversity loss. They support a wide range of stakeholders, including forest officers, researchers, students, and policymakers, by providing access to essential literature, research findings, and technical reports.

Forestry libraries in Rajasthan, including the AFRI library, help:

Facilitate access to relevant research on arid ecosystems, forest regeneration, and conservation techniques.

Support policymakers with updated knowledge on forest management practices and legal frameworks.

Aid students and researchers by offering academic resources related to forestry, environmental science, and sustainable development.

Enable capacity building by providing training on best practices in sustainable forestry and land reclamation.

5.2 The Role of AFRI Jodhpur Library

The library at the Arid Forest Research Institute (AFRI) is an integral part of the institute's research and outreach efforts. It caters to researchers, faculty, forest managers, and other stakeholders working in the field of forest management and conservation, particularly in arid and semi-arid regions. The library plays several critical roles:

Research Support: The AFRI library provides access to a vast collection of books, journals, technical reports, and research papers focused on desertification control, sustainable forestry practices, agroforestry, and biodiversity management. The resources available support AFRI's mission of generating innovative solutions for forest management in Rajasthan's dryland areas.

Academic and Educational Resources: The library supports the academic needs of students, researchers, and professionals by providing textbooks, research papers, and other educational materials related to forestry and environmental sciences. These resources are instrumental in enhancing the knowledge base of students and contributing to academic development in the field.

Information Dissemination: One of the primary functions of the AFRI library is disseminating vital information on forest conservation, afforestation strategies, and sustainable land-use practices in arid ecosystems. It offers information resources that support knowledge exchange among forest scientists, policymakers, and stakeholders involved in forest management.

Policy Support: The library serves as a key resource for forest officers and policymakers by providing access to government documents, policy reports, and legal frameworks related to forest conservation and management. These documents assist in informed decision-making on issues such as forest regeneration, soil conservation, and desertification control.

5.3 Resources at the AFRI Jodhpur Library

The AFRI Jodhpur library is rich in resources tailored to the research and management of arid forests. The library's collection includes:

Books and Monographs: The library maintains an extensive collection of books covering a broad range of topics, including desertification, agroforestry, forest management, biodiversity, and climate change. These resources are crucial for both researchers and students working in the field of arid forest ecosystems.

Journals and Periodicals: AFRI subscribes to various national and international journals, including *Indian Forester*, *Journal of Arid Environments*, *Forest Ecology and Management*, and *Forest Science*. These journals provide cutting-edge research in the areas of forestry, desertification, and sustainable land management practices.

Research Reports and Technical Papers: The library houses numerous reports and papers published by AFRI, ICFRE, and other forestry research institutes. These documents focus on issues pertinent to forest management in Rajasthan, such as soil erosion, land restoration techniques, and sustainable use of forest resources.

Government Documents and Policy Reports: The library has a collection of critical government publications, including forest policies, guidelines on forest management, and national-level action plans on forest conservation and



biodiversity. These resources help forest officers and policymakers stay informed on national and state-level forest management strategies.

Maps, GIS Data, and Remote Sensing Resources: AFRI's library offers access to maps, satellite imagery, GIS data, and remote sensing resources that are used to monitor forest cover, land degradation, and desertification in Rajasthan. These resources are vital for conducting research on land use, forest regeneration, and ecosystem management.

Digital Resources: In addition to physical resources, the library provides access to digital databases, e-books, and e-journals. The online resources help researchers access global literature, making it easier to keep up with international research trends and emerging methodologies in forest management.

5.4 Library Services

The AFRI Jodhpur Library offers a variety of services to ensure users make the most of the resources available:

Current Awareness Service (CAS): The library provides users with updates on newly acquired materials, including books, journals, and research papers, ensuring that the users are kept informed of the latest developments in the field of forest research.

Selective Dissemination of Information (SDI): The SDI service delivers tailored information to specific users based on their individual research interests. This ensures that forest researchers, officers, and students receive the most relevant and current resources for their work.

Document Delivery Services (DDS): For materials that are not available in-house, the library provides document delivery services, enabling users to obtain resources from other institutions or libraries.

Inter-Library Loan (ILL) Services: To expand access to materials, the library collaborates with other institutions through ILL services, enabling the borrowing of books, journals, and reports from partner libraries.

Training and Workshops: The library organizes workshops to train users in research skills, such as effective literature searching, information retrieval, and the use of digital tools in forestry research.

Reference and Research Assistance: The library staff provides expert assistance to researchers and students, helping them locate the relevant resources and information needed for their projects.

5.5 Challenges Faced by AFRI Jodhpur Library

While the AFRI library has made significant strides in providing essential resources for forestry research, it faces several challenges:

Funding Limitations: Limited budgets hinder the library's ability to acquire new materials, especially international journals, research papers, and digital resources. This affects the library's ability to provide users with the latest research developments in the field of forestry.

Technological Constraints: Despite the library's efforts to digitize resources, there are challenges related to infrastructure and access to high-speed internet in remote areas. This limits the library's ability to fully leverage digital technologies and online databases.

Space and Infrastructure Constraints: As the demand for library services increases, space and infrastructure become a limiting factor. The growing collection of resources and the increasing number of users necessitate expansion and improved facilities.

Lack of Specialized Personnel: There is a need for more qualified personnel with expertise in managing forestry-related information resources. The lack of specialized library staff can hinder the effective use of available resources.

VI. CONCLUSION

Forestry libraries in Rajasthan play a vital role in supporting forest research, policy development, and the education of forestry professionals in the state. Despite facing challenges such as limited funding, technological gaps, and the need for more specialized personnel, these libraries continue to provide essential information resources and services that contribute to the sustainable management of Rajasthan's forest resources. To enhance the effectiveness of these libraries, it is crucial to address the challenges they face, improve access to digital resources, and strengthen collaboration with national and international research institutions. In doing so, forestry libraries in Rajasthan can

continue to be at the forefront of supporting sustainable forest management and conservation in the state. The AFRI Jodhpur Library plays a vital role in supporting the research, education, and policy-making efforts related to forestry in Rajasthan. By providing access to a rich collection of information resources and offering critical services, the library contributes significantly to the sustainable management of Rajasthan's unique arid and semi-arid forest ecosystems. Despite challenges related to funding, technology, and infrastructure, the library continues to be an indispensable asset for researchers, policymakers, and students involved in forestry and environmental management. Strengthening the library's digital infrastructure, expanding its resources, and addressing existing challenges will further enhance its contributions to the advancement of forestry research and conservation in Rajasthan and beyond.

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