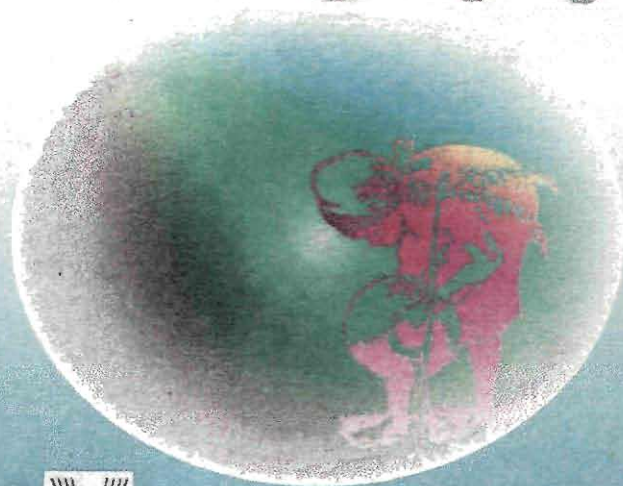


SPICES RESEARCH at IISR, Calicut

IISR PUB - 29

Bibliography



INDIAN INSTITUTE OF SPICES RESEARCH
(Indian Council of Agricultural Research)
CALICUT-673 012, KERALA, INDIA

SPICES RESEARCH

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Foreword

Library is the heart of any vibrant research institution. It serves the scientific community with up to date information within the shortest possible time and with the least effort. Modern Libraries are user friendly, time and space saving and above all cost effective. With advancement in information technology, knowledge centres are spaced so close, that information flow has become very rapid. When spices research enter the next millenium with knowledge as the national wealth, the Indian Council of Agricultural Research, New Delhi considered it fit to establish a National Informatics Centre on Spices at Calicut. The Education Division of ICAR under the leadership of Dr. S L Mehta has also decided to upgrade the Centre into a Referral Library. There are several challenges both visible and invisible which scientists have to face. The present library upgraded as National Informatics Centre on Spices is gearing itself to provide knowledge support to scientists, scholars, historians and farmers. Recently the "lost pepper" in the 16th century has been recovered and related documents preserved in the Library. This is a significant development. A Library Committee under the chairmanship of Dr. M Anandaraj guides the services of the library including procurement of information. Mr. P Azgar Sheriff, Technical Officer (Library) is responsible for retrieval and dissemination of information. He contributes a regular serial on 'Spices Bibliography' published in the Journal of Spices and Aromatic Crops. The present compilation of research papers published since 1976 embodies original information generated at this Institute. I wish this attempt is a stock taking exercise and would reveal the excellent quality of programmes operational here. I congratulate Mr. P Azgar Sheriff, Technical Officer (Library) who took the initiative for such a unique publication. I am also grateful to Dr. S P Ghosh, Deputy Director General and Dr. R N Pal, Assistant Director General for encouragement.



Prof. K V Peter F A A S, F N A Sc.

Director

Compiler's Note

The Indian Institute of Spices Research, Calicut, Kerala, ever since its inception as the Regional Station of Central Plantation Crops Research Institute during 1976, has been engaged in spices research activities mainly concerning crop improvement, crop production, crop protection and post harvest technology.

The idea to compile and bring out the present publication stems out with the decision to conduct "XV Work Shop on All India Coordinated Research Project on Spices" to be inaugurated by Dr. S P Ghosh, Deputy Director General (Hort.) on 19th November, 1999. The coverage of this bibliography is from 1976 to 1999 and the articles originally generated from this Institute are only included.

The arrangement of references in the publication is 'discipline wise' and under each discipline it is arranged 'crop wise'. Entries are arranged alphabetically by the name of the author and again under each author it is arranged chronologically. Key word Index has been provided to find out the concerned article without any difficulty. The sources for literature search are mainly from the annual reports of the Institute and by personal contact with the scientists.

I take this opportunity to express my deep sense of gratitude to the Director, Indian Institute of Spices Research Calicut for the encouragement and support rendered by him in bringing out this publication. I thank the scientists of the institute for the help rendered during literature search.

Azgar Sheriff

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INTRODUCTION

Introduction

History

Establishment of the All India Coordinated Spices and Cashewnut Improvement Project (AICSCIP) by the Indian Council of Agricultural Research (ICAR) in 1971 with its Coordinating Cell at Kasaragod was the first step towards a concerted programme of research on spices. With the increasing importance of spices as a major source of foreign exchange and the crucial role it played in the economy of many states, the ICAR established a Regional Station of the Central Plantation Crops Research Institute (CPCRI) at Calicut during 1975 for conducting research on crop production, protection and technological aspects of black pepper, ginger, turmeric, cinnamon, clove, nutmeg and allspice. The Regional Station during its year of establishment had staff strength of three scientists and its administrative office and laboratories were housed in rented buildings. Subsequently they were shifted to the present campus at Chelavoor within the Calicut Corporation during 1980. The experimental farm was started at Peruvannamuzhi in Quilandy taluk of Calicut District during the same period.

A significant landmark in the history of spices research in the country was the upgradation of the Regional Station at Calicut to a National Research Centre for Spices (N R C S) during the Seventh Plan period. The C P C R I Research Centre at Appangala conducting research on cardamom was also merged with NRCS in April 1986. Consequent to the establishment of two National Research Centres, one for Spices and another for Cashewnut, the AICSCIP was bifurcated by the end of the

Sixth Plan and the headquarters of the Coordinated Project on Spices was shifted to NRCS, Calicut.

A new chapter was created in the history of spices research in the country by the upgradation of the National Research Centre for Spices (NRCS) to a full-fledged institute, "Indian Institute of Spices Research" with effect from July 1, 1995. The new institute is entrusted with more responsibilities and is better equipped to compete nationally and internationally to advance knowledge and technology in the sphere of spices.

IISR LIBRARY

The IISR Library was set up in 1976 (when it was the erstwhile Regional Station of CPCRI) to provide support to research and development work of the Institute. The Library aims at acquiring scientific literature related to spice crops and various scientific disciplines of interest to the scientists, organizing and displaying these materials in various ways and making them available to users. Many research institutes, Agricultural Universities and similar organizations are also utilizing the facilities available in the Library.

Mandates

- To function as a National Information Storage and Retrieval Services for spices and related areas

- To select, acquire, process, preserve, organize, circulate and disseminate publications in all areas of spices research and its related fields.
- To provide various services like, Compilation of Bibliographies, Agri Science Tit Bits, Content Page Service
- To provide Inter Library Loan service.
- To retrieve and disseminate information
- To provide reprographic services to scientific community

Resources

The major resources of the Library include Books, Journals, Theses, Reprints, Annual Reports and Technical Reports. At present, the Library has a total collection of 3457 Books, 2621 Bound Volumes, 2168 Reprints, 610 Technical Reports and 82 Theses. It subscribes to 38 foreign journals and 60 Indian journals and is receiving 13 journals in gratis and 48 newsletters.

Ever since the establishment of the Library several dignitaries have visited the Library.

The first visitors during 1976 were

W S Alles, F A O Expert. Sri Lanka

M S Swaminathan, Director General, I C A R, New Delhi

N Kaleeswaran. Vice-Chancellor, Kerala Agricultural University, Mannuthy

V S S Potty, Director of Extension Education, Kerala Agricultural University, Mannuthy

The first book received in the Library was

Sankaram A 1973. Fundamental principles. Bangalore Printing and Publishing Company, Bangalore: pp.186.

The first issue of the Journal received by the Library was

'Current Science' vol.45 No.1, 1976.

The first journal article was published by Dr. Y R Sarma.

Sarma Y R and Nambiar K K N 1978. *Cylindrocladium leaf rot of clove*. Plant Disease Reporter 62: 562-564.

NATIONAL INFORMATICS CENTRE ON SPICES

The infrastructure facilities at the Library are expanding continuously. The latest is the establishment of National Informatics Centre on Spices. This was inaugurated by Dr. S L Mehtha, Deputy Director General (Edn.), ICAR, New Delhi on 28th November, 1998 to serve as a documentation centre for disseminating information on various aspects of spices. The latest available information technology is being used to make available a wide range of facilities for access to information.

Information Resources

The Centre is building up a rich resource base of books, journals, reprints, bound volumes and CD-ROMs. Attempts are also being made to procure CD-ROM databases such as, CAB CDs. The Informatics Centre has automated a majority of its operations using the Library Management Software, LIBSYS. A sizable database of books, journals, reprints and bound volumes has been created and is available for

access by scientists. Internet facilities are being introduced to get exhaustive online information.

Library Committee

The Informatics Centre functions under the guidance of a Chairman and members of the Library Committee. The Committee meets regularly to advice on matters concerned with the Informatics Centre

CROP IMPROVEMENT

GENETICS/PLANT BREEDING/HORTICULTURE

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