

Title of the Project: **Preparation of Directory of Completed Sericulture Projects, Experts and Technologies of India**

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Executive Summary

A Project entitled, 'Preparation of Directory of Completed Sericulture Projects and Sericulture experts of India', sponsored by Department of Science and Technology, Government of India, New Delhi, was implemented at Karnataka State Sericulture Research and Development Institute, Thalaghattapura, Bangalore during 2005-2008 with an objective to bring out comprehensive directories on the Sericulture Research Projects implemented, Experts working in the field of Sericulture, Technologies Developed and Publications brought out. Periodical guidelines were sought from the Local Project Advisory Committee (LPAC) during the project period in addition to a mid term appraisal workshop. The brief outcome of the resourced information is given below.

As envisaged in the project the directories are brought out in four parts, namely ;

Part I : Directory of Sericulture Projects (Vol.I & II)

Part II : Directory of Sericulture Experts

Part III : Directory of Sericulture Technologies and

Part IV : Directory of Sericulture Publications.

Part I : Directory of Sericulture Projects

- The Directory of Sericulture Projects contains the resourced information of completed R & D sericulture projects of India of more than 60 years (1944 -2006) and in 2 volumes.
- Information from 56 organizations (20 R & D Institutes, 29 universities and colleges, 2 NGOs and 1 financing institution (NABARD)) totaling to 4716 projects have been documented in this directory.
- The directory provides the information of Project title, Name of the Organization, Personnel involved, Project period, Objectives, Results/Recommendations, Project outcome (if available) and Source of information.
- The directory also gives subject and author index at the end.
- Mulberry silkworm has been extensively studied in as many as 2243 projects followed by the work on the food plant, mulberry in 1409 projects. Non-mulberry sericulture research was carried out in 400 projects followed by the studies on silk technology (396) and sericulture extension (253).
- This directory also provides the information on the projects which were incomplete as additional information at the end of respective organizations.
- Among the institutes, CSR&TI, Mysore rank the top position with 2223 projects followed by KSSRDI, Bangalore (361) and CSR&TI, Pampore (327) and CSR&TI, Berhampore (306).

- Universities initiated R & D projects from 1980 onwards and their priorities on sericulture R & D have been lower at present.
- Scientists those who have initiated work on socioeconomic issues of sericulture industry have discontinued taking up sericulture related projects.

Part II : Directory of Sericulture Experts

- The directory contains the brief profile of sericulture experts who fulfill the criteria of B.Tech (Textiles)/M.Sc. with 15 years or M.Tech (Textiles)/Ph.D. with 10 years of experience for R & D Institutes and Universities and 10 years of experience for extension/administration experts who are Deputy Directors and above.
- 843 subject experts from 78 Organizations/Universities/Departments have responded with their contributions and achievements in sericulture through the questionnaire supplied. Information from 144 experts in the area of mulberry, 340 in the field of mulberry silkworm, 61 from silk technology, 87 concerned with non-mulberry, 35 from specialized fields and 10 from others have been collected through formats. In addition, information on 321 experts from their respective administrative offices and 157 addresses were gathered from secondary source.
- 75% of experts are in the age group of 45-55 years and 7% below 45 years.
- The directory gives the experts index at the end of the directory which facilitates ready access.
- The directory information will be made available in the search option CD along with hard copy of the directory and also on public domain website kssrdi.org.

Part III : Directory of Sericulture Technologies :

- The directory contains the sericulture technologies recommended by leading sericulture institutes, universities and colleges .
- Information of 524 technologies has been documented in this directory.
- Classification of technologies grouped as 140 mulberry, 244 silkworm, 53 silk technology, 59 non-mulberry and 28 for sericulture engineering and others.
- CSR&TI, Mysore has recommended 161 technologies followed by KSSRDI (109), CMERTI (31), CSR&TI, Berhampore (32), CSR&TI, Pampore (32), CSTR, Bangalore (32), CTRTI, Ranchi (41) and others (88).
- Mainly 10 institutes and 10 universities have contributed for sericulture technological development of the country.
- Subject Index is given at the end of the directory.
- Directory information is also made available in the search option CD to be provided along with this directory and also on public domain website kssrdi.org.
- List of institutewise patented/commercialized technologies is given.
- List of authorised mulberry varieties and silkworm races is also given at the end of the directory.
- Silkworm seed production norms has been given at the end of the directory

Part IV : Directory of Sericulture Publications :

- This directory contains the information on published literature furnished by the Sericulture Experts who are listed in the Directory of Indian Sericulture Experts of India (Part II).
- This directory contains 3580 citations of research articles under mulberry sericulture (2843), non-mulberry sericulture (635) and silk technology (102) category, out of total 7665 citations.
- 877 articles published in proceedings have been documented under three categories (mulberry-660, non-mulberry sericulture-205, silk technology-12).
- Information of 53 review articles have been documented in this directory (mulberry-47, non-mulberry-6)
- Under authored book category information of 165 books has been documented (mulberry sericulture 142, non-mulberry 20 and silk technology 3).
- Under edited book category information on 80 books has been documented (mulberry-75, non-mulberry-4, silk technology-1).
- This directory includes the information of 299 articles in edited books (mulberry - 266, non-mulberry-27, silk technology-4)
- This directory also includes 2613 technical articles in all categories (mulberry - 2074, non-mulberry-385, silk technology-154).