


1.	Full Name (in Block letters)	:	SREENIVASA 
2.	Designation	:	Scientist-D
3.	Department/Institute/University	:	WET PROCESSING DIVISION, CSTRI
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5.	Education	:	M.Tech (Textile Technology)
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7.	Experience	:	23 Years worked in Extension, Research, Reeling, Non mulberry, Dyeing and printing, Product Development and Diversification
8.	Memberships/Fellowships:	:	1. Life member of Textile Association of India. 2. Life member of National Academy Sericultural Sciences. India. 3. The South Indian Textile Research Association
9.	Publications	:	- 26 no. of papers published in National - 05-No. of paper published in International Journals. Book Published: a. "RECENT TRENDS IN TASAR CULTURE" (2000) Chapter. No. 5. pp no. 82-104 b. Silk Processing Do's and Don't's (Bilingual-Hindi/English and Kannada/English) -18 no. of paper presented in Workshop and Seminars.

Professional career

Institute	Designation	Period	Significant Achievement
KSIC –Spun Silk Ltd, Channapatna	Shift Supervisor	1992-1993	Production and quality of spun silk yarn
HJS Spun Silk Mill, Ramanagara	Shift Supervisor	1993 - Sept'1994	Production and quality of spun silk yarn
DCTSC, Kishanganji, Bihar	SRA	Dec'1994- Nov'1997	Analysis of cocoon quality. Drying and storage of cocoon, Training the people in Drying of cocoon, reeling implementation of CDP schemes.
Central Tasar Research & Training Institute, Ranchi, Jharkhand	SRA	Dec'1997-May'2001	Participated in Research, HRD and extension projects of the Institute. Project Formulation R&D work; Training & Extension
Demonstration Cum Training Center, Rayapur, Dharwad	Scientist-B	June'2001-April'2006	Establishment of New Reeling Units at North Karnataka under CDP scheme. Conducting Silk Reeling, Training, silk testing & Extension activities.

Cocoon Testing Centre, Ramanagara	Scientist-C	April'2006 –June'2011	Cocoon testing, Extension activities. Implementation of CDP XIth Plan schemes.
Central Silk Technological Research Institute, Bangalore	Scientist-D	July'2011- Till date	Project Formulation R&D work, Training, Extension and implementation of XIth & XIIth CDP plan schemes

Projects(s) being perused / carried out by Investigator/Coinvestigator

1. "Studies on Commercial /Technological characters of different eco-races of *A myllitta D*. Commercially available in India".
2. "Studies on preparation of fancy yarn through reeling, spinning, twisting for product development and diversification."
3. Evolving Process norms for reeling on cottage basin and multiend reeling units (Code-7035).
4. "Techno - economics of cottage basin and multiend reeling. (CYR-7039).
5. Development of pressurized silk hank degumming machine
6. Studies on application of lac dye by screen printing method on mulberry and non mulberry
7. Studies on Aroma finish on silk.
8. Comparative study on performance of Different class of dyes and pigments in Digital printing on silk (POY 1314-26)
9. Studies on tasar cocoon cooking methods and development of cooking devices
10. Techno economics of cottage basin and multiend silk reeling:
11. Biofinishing of tasar silk fabric using enzymes (CFC 7065)
12. Studies on Mechanical finishing of silk printed fabrics special reference to Serampore Clusters
13. Design and development of Eri cocoon degumming machine (POY-1415-42)

Highlights of outcome/Progress of the project(s) handled during the years, their outcome and utilization:

- ❖ Lac dye has been successfully used for printing mulberry and tasar silk fabrics by screen printing. Lac dye can be adopted very well for different printing method to bring versatility in design.
- ❖ Aroma finish applied during dry cleaning offers better fastness to further dry cleaning process. Additional dosage of acrylic binder does not offer any change in the durability. No adverse effect has been observed on the stiffness of the fabric after the aroma treatment.
- ❖ Performance of digitally printed fabric with Acid dye based ink during different wash cycle has been evaluated. No color bleeding was observed on the adjacent fabric,.
- ❖ Cost of quality, which the multiend reelers are incurring in terms of the high investment at the time of establishment and higher cost of conversion for production of better quality of silk, is not adequately compensated by the value of quality in terms of price of raw silk offered by the market. (ii) Important constraints: (a) Non availability of skilled labour (c) Inadequate working capital (d) Problems in machinery maintenance.
- ❖ Field trials conducted for enzyme finishing on tasar silk fabrics.
- ❖ **Design and development of CSTRI Eco Eri cocoon degumming machine** is an equipment for degumming of eri cocoons without any chemicals. This novel approach is expected to enhance the productivity due to shorter processing time. The process is economical and environmental friendly.