



1. Name: ASWATHE REDDY
Designation: Scientist-D
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Email: areddy25662@gmail.com
Mob: 9401885831
2. Educational qualification: M.Tech (Textiles)
3. Experience: 27 years
4. Areas of research interest: Mulberry Silk reeling, Silk weaving ,
Vanya Silk reeling & Spinning
5. Ongoing research projects / exploratory works:

Project work

- i. Studies on cocoon cooking using high temperature & high pressure technology & also using chemicals for achieving better reeling performance & quality silk particularly from unfavorable season cocoons- PI
 - ii. Development of Miniature Eri Spinning Plant for better productivity and quality for adoption in North Eastern Region of India-CI
 - iii. Studies on Sericin Solubility characteristics -CI
6. Number of publications: 20
 7. Important / recent publications:

Research Articles

1. "Impact of Cocoon testing on quality improvement"-By Sreenivasa, Aswatha reddy, B.C.Kempegowda and Sirajuddin Surkhi- Man-made textiles in India, June 2007, Page 215-
2. "Silk twisting industry- An insight into facts and figures"
By Sreenivasa, Aswatha Reddy, Sirajuddin surkhi and Subrata Roy-Man-made textiles in India-May2008-

3. "Distribution of reeling process parameters and performance in different silk reeling systems" by Aswatha Reddy and K N Mahesh, *Manmade Textiles in India*, June 2009, P-203-
4. Study on influence of water quality on lustre of raw silk- Paper presented at 23rd National Convention of Textile Engineers, New Delhi held from 26-27th March '2010 -
5. Presented a paper titled "Evolving process norms for silk reeling on Cottage basin, Multiend and Domestic basin reeling units" at Golden jubilee National conference on "Sericulture Innovations: before and Beyond" held at CSRTI, Mysore on 28-29th January 2011
6. A review on influence of water quality on reeling performance and quality of raw silk- By Aswatha Reddy, K. N. Mahesh & S.T. Venu- 2010- *Sericologia* 50(3) 379-387-
7. Studies on Bivoltine cocoon cooking-effect of cooking duration, high temperature permeation treatment and water head pressure on reeling and quality characteristics of Japanese Bivoltine cocoons- 2012- *Sericologia* 52(1)679-689
8. Presented a paper titled "Evolving process norms for silk reeling on Cottage basin, Multiend and Domestic basin reeling units" at Golden jubilee National conference on "Sericulture Innovations : before and Beyond" held at CSRTI, Mysore on 28-29th January 2011
9. Coauthored abstract paper titled "Studies on influence of filament size variation on tensile properties of *Antheraea Mylitta* D cocoons" published in the souvenir by CSRTI, Mysore on the occasion of Golden jubilee National conference on "Sericulture Innovations : before and Beyond" held at CSRTI, Mysore on 28-29th January 2011
10. "Stretch and growth properties of mulberry woven silk fabrics"
Indian Journal of Fibre & Textile Research Vol. 36, September 2011, pp. 248-252
G Thimma Reddy, Vijaykumar P Kathari & Aswatha Reddy
11. "Studies in the improvement of the properties of Tasar using formaldehyde free cross-linking agent", *Asian textile Dyer*, June '2011 Thimma Reddy G, Aswatha Reddy, Subrata Roy & Subrata Das
12. Suitability of raw silk reeled on domestic basin and multiend basin for zari making
Aswatha reddy¹, K.N. Mahesh², G. Thimma reddy³ - Paper presented in "24th National convention of textile engineers, Bangalore" held on

Popular articles

1. "Indian Mulberry Raw silk Reeling Industry: Present status & future prospects"
-By Subhas.V.Naik, Aswatha reddy, Mahadevaiah B.M., Damodhra Rao P.M., Subrata Roy and Somshekar T.H.- Paper presented at 21st National Convention of Textile engineers, Bangalore, 21-22 Feb '2008- **General article**

2. “Automatic silk reeling filature – Processes and prospects” by Aswatha Reddy and B.M. Mahadevaiah, Indian silk, Nov2009, Page29- **General article**
3. “Silk zari making: Processes and perspectives” by Aswatha Reddy, K.N.Mahesh, S.T.Venu and Subrata Roy, Indian silk, April2009, Page24- **General article**
4. Coauthored abstract paper titled “Analysis of quality of Bivoltine cocoons transacted at Cocoon market, Ramanagaram” published in the souvenir by CSRTI, Mysore on the occasion of Golden jubilee National conference on “ Sericulture Innovations : before and Beyond” held at CSRTI, Mysore on 28-29th January 2011- **General article**
5. Impact assessment of 9th and 10th plan CDP schemes-a survey on socio economic conditions of multiend reelers – Indian silk, June2011
6. Impact assessment of 9th and 10th plan CDP schemes-a survey on socio economic conditions of wage earners- Indian silk, Vol12, Page23, March2012
7. Problems and prospects of Post Cocoon Sector in Assam-Paper presented in the National Seminar organized by NABARD held at Guwahati on 3rd December 2013

Project Guided

1. Study on influence of water quality on aesthetic Properties of raw silk

A Dissertation submitted to the professional award committee of textile association (India) in partial fulfillment of the requirement for the graduate member of the textile association (India) – GMTA by examination, December - 2009 (By.Hanamant.TA, CSTRI)

2. Guided PGDS, CTR& TI, CSB, Ranchi student project report “A Study on influence of process parameters on Reeling and quality characteristics of Muga silk”2012-13

Survey report submitted

1. **IMPACT ASSESSMENT OF 9TH AND 10TH PLAN CDP SCHEMES-A SURVEY ON SOCIO ECONOMIC CONDITIONS OF MULTIEND REELERS AND WAGE EARNERS**