

BIO DATA

Name	:	Dr. S. NIVEDITA
Designation	:	Scientist D (R&S)
Educational Qualification	:	Ph.D (Textile Technology)
Contact Number	:	080-26282201
Expertise area	:	Textile Testing (Mechanical)
Experience	:	From January 1991 to May 2012: Worked in CSTRI, Bangalore including 15 years in Textile Testing Laboratory, Accredited by NABL, CSTRI, Bangalore. Was Authorized Signatory for Mechanical Testing.
	:	May 2012 to June 2018: Worked at CSGRC, Hosur as In-charge of Post Cocoon Activities.
	:	Since 21 st June 2018 : Working at Textile Testing Laboratory, CSTRI, Bangalore.
Experience as Lead Assessor for NABL	:	Empanelled as Lead Assessor with NABL, DST. Assessed over 65 laboratories in India, Sri Lanka and Bangladesh between 2001 and 2012.
	:	Attended 2 days Assessor's Refreshers Course in Bangalore during 28-29/04/2018
Training Attended/undergone	:	Raw silk Quality control techniques for 4 months sponsored by JICA and CSB during 2005 at The National Institute of Agrobiological Sciences (NIAS), Okaya, Japan.
	:	Lead Assessor course organized by NABL at IIQM, Jaipur
	:	Research methodology organized by VTU at Bangalore
	:	Method validation organized by BIS at Noida
	:	Writing winning project proposal organized by NAARM at Hyderabad
	:	Science of Living sponsored by DST and organised by Academy of Human Excellence at Vadodhara
	:	Integrated Research Project Management for Women Scientists at COD, Hyderabad.
	:	5 days DST sponsored training program on Ethics and Values for Scientists and Technologists at Engineering Staff College of India, Hyderabad during February 2017
Research Publications	1	S. Nivedita , C. Takabayashi, K. Nakajima, T.H Somashekar, Introduction to size control mechanism to multiend reeling machine & its evaluation, <i>Sericologia</i> , 46(3), 2006.
	2	S. Nivedita , T.H Somashekar, Accreditation of Textile Testing Laboratory, <i>Indian Silk</i> , 45(7) 2006.
	3	S. Nivedita , S. Anandan, T. H. Somashekar, Strength properties of different types of silk fabrics in wet condition, <i>Asian Textile Journal</i> , Nov. 2006.
	4	S. Nivedita , Y.C. Radhalakshmi, T.H Somashekar Silk wash care : consumer perception, <i>Indian Silk</i> , 48(7) 2009.
	5	S. Nivedita , P.N. Bhat, S. Roy, Sericin of <i>Bombyx mori</i> as a reducing and capping agent in the preparation of silver nanoparticles, <i>Sericologia</i> , 50(3), 2010.

	6	S. Nivedita , S. Roy, Nanotechnology and its potential in sericulture, Indian Silk, 49(11) 2011.
	7	P.N. Bhat, S. Nivedita , S. Roy, Use of sericin of <i>Bombyx mori</i> L. in the synthesis of silver nanoparticles and their application, Indian journal of fibre and Textile Research, 36(3), 2011.
	8	P. Parameshawara, S. Nivedita , R. Somashekar, Quantification of changes in mulberry silk fabrics due to different laundering using WAXS technique, Proceedings of the DAE solid state physics symposium 2010, 2011.
	9	S. Nivedita , S. Roy, G.V. Reddy, H.K Basavaraja, Influence of high humidity during cocoon spinning on sericin characteristics, colour and exfoliation in <i>Bombyx mori</i> L. silkworm, Sericologia, 52(1), 2012.
	10	S. Nivedita , S.A Hippargi, A. Basu, Silk wash : A notion dispelled, Asian Dyer, Feb-March, 2012
	11	S. Nivedita , M. Umsha, A. Basu, Recycled waste silk : A source of additional income, Indian Silk, 51 (old) (4&5) , 2012.
	12	S. Nivedita , V. Sivaprasad, Biomedical applications of mulberry silk and its proteins : A review, Journal of the Institute of Engineers-Series E <u>95</u> (1), 2014.
	13	S. Nivedita , V. Sivaprasad, M.M. Bhorpuzari, Utilization and value addition to silk waste, Indian J. of Sericulture, 53(2), 2014.
	14	S. Nivedita , N. Balachandran, S. Sekar, P. K. Mishra, A strategic approach to selection of cocoons for production of high grade raw silk. Indian Horticulture Journal, 2016, 6:1-3.
	15	S. Nivedita , Kanika Trivedi, Utilization of silk waste and reclaimed sericin for making paper-like nonwovens, IPPTA, The official International Journal, 28(2),2016, 26-29.
	16	S. Nivedita , P.K. Mishra, Novel applications of silk nonwovens in living enclosures, Proceedings of International conference on inter disciplinary research in engineering and technology: 01-04, 2016.
	17	Balachandran, N., M. Muthulakshmi, S. Nivedita , P. K. Mishra, D. Guruswamy, Nazeer Ahmed Saheb, S. K. Raina, M. K. Tayal, P. M. Tripathy, P. K. Tewary, K. Vijayan (2016). Evaluation and Identification of Promising Bivoltine Silkworm Germplasm Accessions for Temperate and Sub Tropical Zones of Northern and North Western India. Indian Horticulture Journal, 6: 13-18, 2016.
	18	S. Nivedita , P.Saraswathi, Alok Sahay, Value addition to mulberry wood, Indian J. of Sericulture, 55(1-2), 2016.
	19	निवेदिता एस. , आलोक सहाय, रेशम के लिए केवल ड्राइक्लीन – यह बस एक धारणा है। रेशम भारती, जून 2017, 37.
	20	Nivedita S , Geetha Murthy, Veeranna Gowda, Alok Sahay, 2018, "Diversification of silk cocoon byproducts", Indian Silk, 9(5-6), 28-30.
	21	ನಿವೇದಿತಾ ಎಸ್. , ಸುಭಾಶ್.ವಿ. ನಾಯಕ್, 2018, ಜವಳಿ ಮರುಬಳಕೆ, ರೇಷ್ಮೆ ವಾಣಿ , 1(4), 4.
Pamphlet	22	Veeranna Gowda, N.Balachandran, Muthulakshmi M., Geetha N. Murthy, Nivedita S. (2016). Potential bivoltine genetic resources. Published by Director, CSGRC Hosur

Books / Book Chapters:	23	S. Roy, S. Nivedita , P. N. Bhat, Green Synthesis of silver nanoparticles using the silk protein sericin and their characterization, Biomedical Applications of nanostructured materials, Macmillan Publications, 2010.
	24	N. Balachandran, M. Muthulakshmi, Veeranna Gowda, G. Thanavendan, Nivedita, S. , Anuradha H. Jingade, Geetha N. Murthy and Alok Sahay (2016). Silkworm Germplasm Activities – Past, Present and Future. Silver Jubilee Souvenir of CSGRC, Hosur, pp.21
	25	Geetha N. Murthy, K. Jhansilakshmi, N. Balachandran, M. Muthulakshmi, G. Lokesh, G. Thanavendan, S. Nivedita , S. Sekar & Gargi (2018). Biodiversity and Bio-conservation of Mulberry Serigenetic Resources for Sustainable Utilization. Chapter in book titled “Sustainable technologies for better environment” Eds. Dr. Ashok Kumar Yadav, Dr. R.S. Mishra, Dr. Manju Tiwari, Mr. Vivek Mishra and Dr. R.R. Mishra, Bharti publications, New Delhi, Mumbai pp 1-26
	26	Nivedita S. , Gargi (2019) Recent Developments in Recycling Silk Saris. In: Majumdar A., Gupta D., Gupta S. (eds) Functional Textiles and Clothing. Springer, Singapore pp 363-369
Recent research projects / pilot studies under taken as Principal Investigator:	1	Evaluation of Silkworm Genetic Resources for Post Cocoon traits (April 2012 to March 2015)
	2	Development of novel, high value products from silk waste nonwovens (Apr.2015 – Mar.2016)
	3	Recycling silk saris for value addition (November 2018- April 2019)
	4	Recycling silk by new methods for sustainability- Ongoing (June 2019 to May 2021)