

1. Name: Dr. Rajiv Munshi

Designation: Scientist – D (R&S)

Address: RSTRS, CSTRI, Central Silk Board, Guwahati – 781022 (Assam)

Email: munshiraj04@gmail.com

Telephone: 0361 – 12363113



2. Educational Qualification:

- ▶ **Ph.D. (Tech.) : Textile Technology** (*University of Calcutta*)
- ▶ **M. Tech. : Textile Technology** (*The Technological Institute of Textile & Sciences, Bhiwani, M.D. University, Rhotak, Haryana*)
- ▶ **B. Tech. : Fiber Technology** (*University of Calcutta*)

3. Experience:

- ▶ More than 14 years experience in Vanya Silk (Muga & Eri) Post Cocoon Technology, R & D work on mulberry silk finishing at RSTRS, Guwahati under CSTRI, Bangalore, Central Silk Board, Ministry of Textiles: Govt. of India.
- ▶ 7 and half years teaching experience as a Lecturer & HOD of Textile Design at NIFD, Kolkata.
- ▶ February – July, 1998: As a Trainee Supervisor at Kajaria Yarns & Twines Ltd., Howrah.
- ▶ 7 years research experience, topic entitled “Studies on Application of Monomer/Polymer System on Natural Fibres” at Department of Jute & Fiber Technology, University of Calcutta.

4. Areas of research interest: Silk Finishing, Silk Weaving and Product Development.

5. Research projects/ Exploratory works:

Sl. #	Topic
01	Effect of Using Bulky Muga Yarn as Weft Reeled on Sonalika on Fabric Properties
02	Studies on Standardization on Degumming Process for Different Eco-races of Eri Silk Cocoons
03	Application of Non-formaldehyde Finish on Mulberry Silk fabric for Improvement of Textile Related Properties
04	Analysis of Mordanting Effect on Depth of shade, Colour Value and Fastness Properties of Selected Natural Dyes on Mulberry Silk

6. Number of Publication:

- ▶ Books/Chapters/Monograms: 2 Nos.
- ▶ Journal Articles (Peer reviewed): 16 Nos.
- ▶ Conference Proceeding: 4 Nos.

7. Important publications:

Sl. #	Title	Journal with Page No.	Name of Authors
01	Efficacy of Microwave Curing on Water Soluble Chitosan Treated Eri Silk Fabric to Impart Antibacterial and Easy Care Properties	Sericologia , Vol. 58 (3&4), pp. 160 – 171,2018 ISSN 0250 – 3980	Rajiv Munshi & Sourabh Majumder
02	Physical Properties of Microwave Cured Polycarboxylic Acid Crossed-linked Silk Catalyzed with Nano TiO ₂ Photo Catalyst and Potassium Sodium Tartrate	Sericologia , Vol. 56 (4), pp. 235 – 246, 2016 ISSN 0250 – 3980	Rajiv Munshi , Sourabh Majumder & Debasis Chattopadhyay
03	Chemical Modification of Silk using Methacrylic Acid (MAA) as the Modifying Agent under the Influence of Non-Phosphorous Esterification Catalyst and Free-radical Polymerization Catalyst	Sericologia , Vol. 54 (4), pp. 261 – 269, 2014 ISSN 0250 – 3980	Rajiv Munshi
04	Finishing of Jute by Polyacrylic Rubber	Journal of The Textile Institute , Vol. 105 (1), pp. 67 – 73, 2014 (Taylor & Francis) ISSN 0040 – 5000	Rajiv Munshi , Debasish Das & Atin Chowdhuri
05	Studies on Standardization on Degumming Process for Different Eco-races of Eri Silk Cocoons	Indian Journal of Natural Fibers , Vol. 3 (1), pp. 69 – 76, 2016 ISSN 2348 – 7445	Rajiv Munshi S. Mazumdar, P. Datta & D. Chattopadhyay
06	Quality Characteristics and Reeling Performance of Muga and Tasar Silk Cocoons in Comparison with Mulberry Silk Cocoons	Indian Journal of Natural Fibers , Vol. 2 (1), pp. 21 – 28, 2015 ISSN 2348 – 7445	Rajiv Munshi , Debasis Chattopadhyay, & Gautam Mitra
07	Studies on Distribution of Filament Length and Non-broken Filament Length for Tropical Tasar and Muga Silk Cocoons vis-à-vis Mulberry Silk Cocoons	Journal of The Textile Institute , Vol. 109 (9), pp. 1202 – 1207, 2018 (Taylor & Francis) ISSN 0040 – 5000	Debasis Chattopadhyay, Rajiv Munshi & Dipankar Chakravorty

08	Modern Technique for Utilization of Tasr Silk Wastes to Convert Yarn	Indian Journal of Natural Fibers, Vol. 2 (1), pp. 41 – 49, 2015 ISSN 2348 – 7445	Debasis Chattopadhyay, Gautam Mitra & Rajiv Munshi
09	Finishing of Cotton by Polyacrylic Rubber in Presence of NaH ₂ PO ₄ as Catalyst under Thermal Treatment	Journal of Natural Fibers, Vol. 5(4), pp: 383 – 395,2008 ISSN 1544 – 0478	Debasish Das & Rajiv Munshi
10	Finishing of Cotton by Methacrylic Acid in Presence of NaH ₂ PO ₄ and K ₂ S ₂ O ₈ under Thermal Treatment	Journal of The Textile Institute, Vol. 97 (6), pp. 519 – 525, 2006 (Taylor & Francis) ISSN 0040 – 5000	Debasish Das & Rajiv Munshi
11	Finishing of Jute using Methacrylic Acid in Presence of Tetrasodium Pyrophosphate and Potassium Persulphat as Catalysts under Thermal Treatment	Indian Journal of Fiber & Textile Research, Vol. 34 (March), pp. 82 – 90 , 2009 ISSN 0971 – 0426	Debasish Das & Rajiv Munshi
12	Influence of Fiber Finish on Characteristic of Polyester Jet-Spun yarns in Relation to Total Draft and Spinning Speed	Indian Journal of Fiber & Textile Research, Vol. 26 (December), pp. 378 – 386, 2001 ISSN 0971 – 0426	S. Dhamija, G.K. Tyagi & Rajiv Munshi
13	Mordanting Effect on Properties Mulberry Silk Dyed with Selected Natural Dyes	Indian Silk, Vol. 1 (49 old) No. 12, pp. 26 – 29, 2011	Rajiv Munshi, Naveen V. Padaki, D. Chattopadhyay & S.N. Mishra
14	Natural Black Dye from the Nuts of Semecarpus Anacardium	Asian Dyer, pp. 50 – 52, July 2010 ISSN 0972 – 9488	K.N. Ninge Gowda, Naveen V. Padaki & Rajiv Munshi
15	Eri Cocoon Degumming and Its Influence on Yarn Properties	Asian Dyer, pp. 61 – 63, August–September 2018 ISSN 0972 – 9488	Sankar Roy Maulik, Sudipta Mondal & Rajiv Munshi

16	Spinning of Eri Silk Yarn using Amber Charka Technique	Indian Silk, pp. 18 – 20, November 2010	Debasis Chattopadhyay, Rajiv Munshi & N.V. Padaki
----	--	--	---

8. Conference Proceeding:

Sl. #	Title	Details of Conference Publication	ISSN/ISBN no.
01	Efficacy of Microwave Curing on Water Soluble Chitosan Treated Eri Silk Fabric to Impart Antibacterial and Easy Care Properties	8 th International Conference on Wild Silkmoth (ICWS'18), Guwahati, 22 – 24 th January, 2018. Page: 87	
02	Chemical Modification of Silk using Methacrylic Acid (MAA) as the Modifying Agent under the Influence of Non-Phosphorous Esterification Catalyst and Free-radical Polymerization Catalyst	23 rd International Congress on Sericulture & Silk Industry (ISC), Bangalore, 23 – 27 th November, 2014. Page: 171	ISSN 0250 – 3980
03	Methacrylic Acid Finish of Cotton based Garment,	Fibre Research for tomorrows applications, The Fibre Society's 2012 Spring International Conference at St.Gallen, Switzerland in May23 – 25, 2012, Page: 97 – 98	ISBN: 978-1-63266-645-1
04	Finishing of Cotton by Polyacrylic Rubber in Presence of NaH ₂ PO ₄ as Catalyst under Thermal Treatment	International Conference on Rubber & Rubber like Materials (ICRRM, 2008) IIT Kharagpur, January 8 – 10, 2008 Page: 93	