


Scientist Profile

1. Name	:	NAND SINGH GAHLOT	
Designation	:	Scientist – C (Reeling & Spinning)	
Address (office)	:	Demonstration-cum-Technical Service Centre/Textile Testing Laboratory, CSTRI, Central Silk Board, 152, Anandgarh Colony, Tilkamanjhi, Bhagalpur-812001 (Bihar)	
E-Mail	:	gahlotns.csb@nic.in gahlotns@rediffmail.com	
Telephone (office)	:	0641-2611041	

2. Educational Qualification:

Name of the University/Institute	Degree Passed	Year of Passing	Subject taken with specialization	Class/Dvn
M. D. University, Rohtak, Haryana/ T.I.T.S.Bhiwani	M. Tech.	Dec. 2001	Textile Chemistry & Technology	First

3. Training Attended:

Year	Name Of Training Programme	Name of Institute	Duration
2006	Orientation training on post cocoon technology	CSTRI,CSB, Bangalore	3 weeks
2008	Sericulture as a livelihood option for poverty reduction	SKIPA, Ranchi	2 days
2010	Resource Development Programme	Central Silk Board Bangalore	7 days
2011	Disciplinary proceeding	Central Silk Board Bangalore	4 days
2012	Integrated Skill Development Scheme	CSTRI, Central silk Board Bangalore	6 days
2012	Entrepreneurship development programme for scientists	EDI, Ahmadabad	5 days

4. Experience:

Name of Organization	Designation	Period	Area of Work
Ordnance Parachute Factory, Ministry of Defence, Govt. of India, Kanpur-208 004, Uttar Pradesh	Chargeman Gr.II-Tech	2 Years	Clothing Technology and Parade Garments production & quality
Textile Testing Laboratory, CSTRI, Central Silk Board, Ministry of Textiles, Govt. of India, Varanasi-221 001, Uttar Pradesh	Assistant Director (R&S)	2 Years	Testing, Extension work for mulberry and non-mulberry silk pertaining to reeling, spinning, weaving and dyeing. also as a faculty teaching to DHT& PDTC students of IIHT
Central Tasar Research and Training Institute, Central Silk Board, Ministry of Textiles, Govt. of India, Ranchi-835 303, Jharkhand	Scientist-C (R&S)	9 Years	R&D, Dissemination of technologies Demonstration, teaching training pertaining to Post Cocoon Technology technical service to Beneficiaries/ DOS Jharkhand, implementation of

			CSB schemes
Demonstration-cum-Technical Service Centre/Textile Testing Laboratory, CSTRI, Central Silk Board, 152, Anandgarh Colony, Tilkamanjhi, Bhagalpur-812001 (Bihar)	Scientist-C (R&S) & Incharge	Continue w.e.f. July 2016	Demonstration, Training, technical service to Beneficiaries, stakeholders /support to DOS Bihar/Jharkhand, Textile Testing, dissemination of technology, exploratory/field work for propagation and implementation of CSB schemes in Bihar/Jharkhand.

5. Area of Research Interest & achievements:	
<ul style="list-style-type: none"> Inventions/Innovations: Technology of Tasar silk cocoon cooking, Reeling, Spinning weaving, processing, product development & diversification and post cocoon machine/process development. 	
<ul style="list-style-type: none"> Contributions: Following R&D work including various projects/ pilot projects/programme of work has been contributed under CTR&TI, Central Silk Board, Ranchi and CSTRI Bangalore for silk industry: <ol style="list-style-type: none"> 1) Development of twin Charkha tasar silk reeling (8-ends). 2) Development of hand operated wet reeling machine (12-ends) 3) Tasar silk spinning machine using solar energy (1-end) 4) Development of vertical reeling-cum-spinning machine (2-ends) 5) Development of motorized reeling Charkha (4-ends) 6) Development of cooking method for tasar cocoons 7) A model for transaction of tasar cocoons by weight system 8) Dyeing and printing of tropical tasar silk textiles with Lac dye 9) Assessment of cohesion of wet and dry reeled tasar silk yarns 10) Development of tasar blend yarn and fancy yarns using defective cocoons 11) Effect of cold storage on green cocoon characters and reeling performance of Daba and Rail cocoons 12) Grading of tasar raw silk yarn – Development of method and procedures 13) Study of reeling and weaving performance of yarns produced by conventional thigh reeling and Buniyaad Reeling machine 	
6. Ongoing research projects/exploratory works: 02	
7. Abroad visit and attended international conference :01	
8. Number of Publications: 29	
Out of which;	
Papers published in International Journals:	06
Papers published in National Journals:	05
Papers presented (& published) in International Conferences:	04
Papers presented (& published) in National Conferences:	06
Papers presented in national Workshops/Seminars:	08
9. Important/recent publication: 01	
<ul style="list-style-type: none"> Awards/ appreciation certificates: Memberships/Fellowships: Patents: [applied with NRDC New Delhi] : 	<ul style="list-style-type: none"> 04 01 04