

Curriculum Vitae

1. **Name** : Dr. Debasish Das
2. **Designation** : Professor,
3. **Email** : ddjf@caluniv.ac.in, drdebasishdas@yahoo.co.in,
4. **Phone** : 0 9831331481,
5. **University** : University of Calcutta,
Department of Jute and Fibre Technology, Kolkata, India
6. **Qualification** : Ph.D. (Polymer science &Tech), CU
B. Tech (Fibre Technology), CU
BSc (Hons) in Chemistry, CU

7. Experience (in brief):

1.	Professor	University of Calcutta, Department of Jute and Fibre Technology,	1.06.2016	Till date
2.	Associate Professor	University of Calcutta, Department of Jute and Fibre Technology,	24.04.2012	31.05.2016
3.	Associate Professor	National Institute Fashion Technology, Ministry of Textiles, Govt of India	01.08.2008	31.07.2011
4	Dean (Acting.)	P.G. Faculty Council of Engineering and Technology University of Calcutta	11.1.2021	10.7.2023
5	Head,	Department of jute and fibre Technology, University of Calcutta	1.1.2020	31.12.2021

8. Professional Recognition/Fellowship received.

1.	Recipient of UNDP Fellowship Training at Department of Textile Technology, University of Leeds	UNDP	UNDP	1996
2.	Dr. Triguna Charan Sen- Memorial Award	Institution of Engineers (India).	Nil	1995-96

9. List of Research project implemented as PI

S. No	Title	Collaborating University	Sponsoring Agency
1	Development of bag made from jute fabric and aluminium foil laminate for packaging tea	Nil	Ministry of Textile, Govt. of India under R&D scheme
2	Coating/finishing of textile based on jute and other natural fibres for technical applications	Department of Apparel, Textile & Merchandising, Eastern Michigan University, USA	Ministry of Textiles, Govt. of India under R&D scheme
3	Upgradation of dyeing and Printing of Muslin of West Bengal Khadi and Village Industries Board, Phase II	Nil	West Bengal Khadi and Village Industries Board, Govt of WB
4.	Development of technical textiles based on coated jute fabrics for different applications	Department of Apparel, Textile & Merchandising", Eastern Michigan	Ministry of Textile, Govt. of India under R&D scheme

		University, USA	
5	Development of jute based technical textiles	Department of Textile Technology, IIT, Delhi	AICTE under NCP scheme
6	Development of Jute based coated textile	IIT Kharagpur,	AICTE under NCP Scheme
7	Studies on residual silica/silicate in raw jute and scope for elimination/reduction	Bangladesh Jute Research Institute, Dhaka	Common Fund for commodities, Netherlands

10. Selected List of publications:

SL No.	Author(s)	Title	Name of Journal (Publisher)	Volume	Page	Year
1	D. Nath, M. Datta, R. Bhattacharya, D. Das and S. Aditya	Computational fluid dynamics analysis and transfer matrix optimization for evaluating noise absorption performance of tessellated polyform structure	Noise and vibration worldwide (Sage)	1	1	2026
2	S. Das, H. Sen, P. Dasgupta, V. K. Yadav, N. C. Das and D. Das	Towards sustainability: Fibre architectural , interfacial behaviourism and topographical relationship in sisal fibre reinforced butadiene rubber composites for commodity rubber goods	Innovation for chemistry and materials for sustainability (INSUF)	3	55	2026
3	S. Das, J. Nayak, P. Das, N. C. Das and D. Das	An Investigation on sisal fibre reinforced nitrile butadiene rubber composites	J. Polymer research (Springer Nature)	32	1	2025
4	S Das , P Das , N C. Das and D. Das	An investigation on sisal fiber reinforced carboxylate nitrile butadiene rubber composites	Next Material (Elsevier)	2	100450	2025
5	S. Aditya , M Bar , D Nath, M Datta and D. Das	Coating of cotton with ternary blend of Sodium alginate, sugar and bio-latex for a sustainable waterproof textile with moisture vapour permeability	Next Material (Elsevier)	9	101265	2025
6	Devarun Nath, Debasish Das and Mallika Datta	PET bottle waste as a viable precursor for synthesis of unsaturated polyester resin in fabrication of	Polymers and Polymer Composites (sage)	32	1-12	2024

		jute fibre reinforced composites				
7.	D.B.Datta,D.Das,B.Sirkar and A.Majumdar	Lantana camara flowers as a natural dye source for cotton fabric	Journal of Natural Fibres (Taylor and Francis)	20(1)	1-12	2023
8	Souvik Das, Palas Das, Naryan Chandra Das and Debasish Das	A review of emerging bio-based constituents for natural fiber polymer composites	Journal of Textile Institute (Taylor and Francis)	115	2554	2023
9	A.N..Banerjee, A.Majumdar, D.B.Datta and D.Das	In-situ polymerization of maleic acid in presence of aloe vera gel for development of eco- friendly eri silk based handloom fabric	Journal of Institution of Engineers(E) (Springer)	103(2)	233-244	2022
10	Kajal Sarkar , Sudipta Panja , Sanjoy Kumar	Tailored secondary microstructure of carbon	Journal of Industrial Textiles (Sage)	51(5)	8362-8383	2022
	Ghorai, Debasish Das	black in polymer				
	and Santanu	nanocomposite to trigger				
	Chattopadhyay	the conductivity for				
		developing coated fabric				
11	Dibyendu Bikas Datta, Anindya majumdar and Debasish Das	Dyeing of jute fabric by eucalyptus bark extract	Journal of Natural Fibres (Taylor and Francis)	19(9)	1-6	2021
12	Dibyendu Bikas Datta, Anindya majumdar and Debasish Das	Dyeing of jute fabric by eucalyptus bark extract	Journal of Natural Fibres (Taylor and Francis)	19(9)	1-6	2021
13	A. Mridha , A. Mukhopadhyay, B. Sarkar, S. Roy Maulik and D.Das	Sustainable dyeing of silk with natural Dyes using natural sources of water	Journal of Institution of Engineers(E) (Springer)	102(1)	61-74	2021
14	P.Arya,S.Ghosh,D.Das	Development of non-formaldehyde wrinkle resistant finish for cotton using carboxylic acids	Indian J.Fibre &Textile Research, (NISCAIR)	45	475-481	2020
15.	M.Datta,A Chaudhuri,M.Mitra,D.nat hand D.Das	Development of Biodegradable conductive cotton yarn by in-situ polymerization of pyrrole	The Journal of TextileInstitute (Taylor & Fancis)	110(1)	10-15	2019
16	Sarkar K., Das D., Chaki T. K. and Chattopadhyay S.	Macro-Structured Carbon Clusters for Developing Waterproof, Breathable Conductive Cotton Fabric	Carbon (Elsevier)	116	1-14	2017
17	Das D., Chaudhuri A., Mitra M., and Ghosh S.	Development of Moisture Vapour	Journal of Textile Institute	108(8)	1285-1290	2016

		Permeable Waterproof Cotton Fabric by Coating with Blend of Natural Rubber Latex and Polyvinyl Alcohol	(Taylor & Fancis)			
18	Das D., Bakshi S., and Bhattacharya P.	Dyeing of EDTA-Modified Cotton with Reactive Dyes	Clothing and Textile Research Journal (Sage)	34(3)	196-206	2016
19	Das D., Datta D.B., and Bhattacharya P.	Simultaneous Dyeing and Finishing of Silk with Natural Colour and Itaconic Acid	Clothing and Textile Research Journal (Sage)	32(2)	93-106	2014
20	Munsi R., Das D. and Chaudhuri A.	Finishing of Jute by Polyacrylic rubber	Journal of Textile Institute (Taylor & Fancis)	105(1)	73-76	2014
21	Das D., Bakshi S. and Bhattacharya P.	Dyeing of Sericin Modified Cotton with Reactive Dye	Journal of Textile Institute (Taylor & Fancis)	102(3)	34-67	2014
22	Das D., Mukherjee A., Chakraborty D. and Bhattacharya P.	Finishing of Silk with EDTA	Journal of Textile Institute (Taylor & Fancis)	102(3)	141-148	2012
23	Ray Moulik S., Das D. and Bhattacharya S. C.	Concurrent Dyeing and Finishing of Cotton with Natural Colour and Citric Acid in the Presence of NaH_2PO_4 as Catalyst under Thermal Treatment	Journal of Textile Institute (Taylor & Fancis)	102 (6)	491–499	2011
24	Ray Moulik S., Das D. and Bhattacharya S. C.	Modification of Cotton Fabric with Acrylamide in the Presence of $\text{K}_2\text{S}_2\text{O}_8$ for Improving Dyeability of Natural Dyes	Journal of Textile Institute (Taylor & Fancis)	102(2)	131-139	2011
25	Das D., A. Mukherjee, P. Bhattacharya and D Chakrabarti	Finishing of silk by acrylic acid in the presence of sodium citrate and potassium persulphate as catalysts under thermal treatment	Journal of Applied Polymer Science (Wiley Interscience)	121(2)	770-776	2011
26	Das D. and Munshi R.	Finishing of Jute by Methacrylic Acid in the Presence of Tetrasodium Pyrophosphate and Potassium Persulphate as Catalysts under Thermal Treatment	Indian Journal of Fiber & Textile Research (Nisair)	34	82-90	2009
27	Das D., Ray Moulik S. and Bhattacharya S.C.	Colouration of Wool and Silk with Rheum Emodi	Indian Journal of Fiber & Textile	33	163-170	2008

			Research (Nisclair)			
28	Das D. and Munsil R.	Finishing of Cotton by Polyacrylic Rubber in Presence of NaH ₂ PO ₄ as Catalyst under Thermal Treatment	Journal of Natural Fibre (Taylor & Francis)	5(4)	383-395	2008
29	Das D., Ray Moulik S. and Bhattacharya S.C.	Dyeing of Wool and Silk with Bixa Orellana	Indian Journal of Fiber & Textile Research (Nisclair)	32	366-371	2007
30	Das D. and Munshi R.	Finishing of Cotton with Methacrylic Acid (MAA) in presence of NaH ₂ PO ₄ and K ₂ S ₂ O ₈ as Catalysts under Thermal treatment	Journal of Textile Institute (Taylor & Francis)	97	519-526	2006
31	Das D., Chavan R.B., Datta M. and Datta S. K.	Coating of Jute with Natural Rubber	Journal of Applied Polymer Science (Wiley Interscience)	98(1)	484-489	2005
32	Ghosh P. and D. Das D.	Modification of Jute with Low Molecular Weight Glycols and a Polyol under Thermal Treatment	European Polymer Journal (Elsevier)	36	2147-2153	2000
33	Ghosh P and D. Das D.	Modification of Cotton with Acrylic Acid in the Presence of K ₂ S ₂ O ₈ and NaH ₂ PO ₄ as Catalysts under Thermal Treatment	European Polymer Journal (Elsevier)	36	2505-2512	2000
34	Ghosh P. and Das D.	Modification of Jute with Acrylic Acid (AA) in the Presence of K ₂ S ₂ O ₈ and Na ₃ PO ₄ as Catalysts under Thermal Treatment	Journal of Applied Polymer Science (John Wiley and Sons)	68	63-69	1998
35	Das D., Samanta A. K. and Dasgupta P. C.	Reactive Dyeing Behaviour of Ramie Fabrics Pretreated with Different Swelling Agent and Their Rub Fastness Property	Indian Journal of Fiber & Textile Research (NISCAIR)	22	53-57	1997
36	Ghosh P., Das D. and Samanta A.K.	Effect of Selective Pretreatment and Different Resin Post Treatments on Jute/Viscose Upholstery Fabric	Indian Journal of Fiber & Textile Research (NISCAIR)	19	277-282	1994

11. Books/Chapters/ etc.:

01	Contributed a chapter titled Wool structure and morphology in a book titled Wool fibre reinforced polymer composites Eds, Sabu Thomas and Sieko Josh	Published by Elsevier Ltd. In the year 2022	ISBN: 978-0-12-824056-4
02	Edited Book of Paper for International Conference on Textile and Clothing- TCPFT- 2017	Organised by: Department of Jute and Fibre Technology, University of Calcutta on 3-5 th January'2017 at University of Calcutta	ISBN:978-93-84923-15-0

12. Paper presentation in the international Conference abroad:

Title of paper	Conference	Organised by
Development of moisture vapour permeable water-proof cotton fabric by coating with blend of natural rubber and chloroprene containing ammonium acetate	4th International conference on natural fibres-smart sustainable solutions	Fibrenamics Institute, Porto, Portugal, on 1st-3rd July'2019 (With Financial support of SERB, DST)
Methacrylic finish of Cotton based garment	Fibre Research for Tomorrows application	Fibre Society's spring conference at EMPA, St gallen, Switzerland, May 23-24, 2012 (With Financial support of SERB, DST)
Dyeing of sericin modified cotton with reactive dye	Textile for Tomorrow	Fibre Society's spring conference at Bursa, Turkey, May12-14,2010 (With financial support from NIFT, MOT, GOI)

13. Other activities:

- Ph.D. Guided: 11
- Ph.D. research pursuing: 6
- Organized International Conference as "Convener" on "Textile and Clothing; Present and Future Trends" (TCPFT-2017) at Department of jute and Fibre Technology, University of Calcutta, Kolkata

14. Patent : awarded 1

Patent published :2

15. Membership of professional Body:

- Textile Association of India: Patron member
- Indian Natural Fibre Society: Life member
- Institute of Science Education and Culture: Life member

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