UNIVERSITY OF CALCUTTA

ACADEMIC DEPARTMENT – Jute anf Fibre Technology Department

FACULTY ACADEMIC PROFILE/ CV

1.Full name of the faculty member : Dr.Atin Chaudhuri

2. Designation: …Associate Professor

3.Specialisation : Yarn Manufacture & Speciality Yarn and Technical Textiles

4.Passport size photograph :

5.Contact information : **Department of Jute and Fibre Technology**
Institute of Jute Technology
University of Calcutta
35, Ballygunge Circular Road, Kolkata-700019

Academic qualifications:

College/ university from which the degree was obtained	Abbreviation of the degree

Name of Institution/ University	**Degree**
Maulana Azad College, Kolkata/ University of Calcutta	**B.Sc. (Hons.)**
Institute of Jute Technology/ University of Calcutta	**Post Graduate Diploma**
	B.Tech.
The Technological Institute of Textiles and Science, Bhiwani/ M.D. University, Rohtak, Haryana.	**M.Tech.**
University of Calcutta	**Ph.D.(Tech.)**

7. **Positions held/ holding:** **Associate Professor**

8. **Research interests**:
Area of Yarn Manufacture and speciality (Coated)yarn.Technical Textiles and composite.

9. **Research guidance** :
Number of researchers awarded Ph.D degrees : …nil……..……
Number of researchers pursuing Ph.D degrees: ……3… ……..…

10. **Projects : One completed**

11. **Select list of publications**:

Research, Publications :

Sl. No	Title with page Nos	Journal
1	Lengthwise jute fibre properties variation and its effect on jute-polyester composite	The Journal of the Textile Institute **(Taylor and Francis,UK)** DOI: 10.1080/00405000.20191613735 ISSN-1754-2340
2	Development of biodegradable conductive cotton yarns by in situ polymerisation of pyrrole	The Journal of the Textile Institute **(Taylor and Francis, UK)** Vol.110, No.1 (2019)10-15 ISSN-0040-5000
3	Effect of wrapper filament characteristics and wrap density on the physical properties of wrap-spun jute and jute-viscose blended yarns	Indian J. Fibre Text. Res., NISCAIR, Vol.43, March 2018, P59-65. ISSN- 0971-0426
4	Development of moisture vapour permeable water proofcotton fabrics by coating with blend of rubber latex and polyvinyl alcohol	The Journal of the Textile Institute **(Taylor and Francis, UK)** Vol.108, No.8 (2017)1285-1290 ISSN-0040-5000
5	Quality Aspects of Dref-III Spun Weft Float woven raised fabric.	Int. J. Engg. Res. Vol.4(7), July, 2016,P87-98, ISSN(P): 2394-420X
6	Quality Aspects of Dref-III Spun Yarns by Optimisation of Parameters with Box and Behnken's 3x3 Model	Int. J. Engg. Res. Adv. Tech., Vol.2, March 2016, P94-116. ISSN: 2454-6135
7	Effect of blend composition on tensile properties of blended Dref-III yarns	Indian J. Fibre Text. Res., NISCAIR, Vol.40, March 2015, P36-42.
8	Evolution of Smart Textiles for Possible Application of Lignocellulosic Fibres	Indian Journal of Natural Fibres, vol.1, No.2, Jan.2015, P41-53
9	Studies on the physical properties of Dref-III spun yarns by variation of machine parameters with Box and Behnken's 3x3 model	Indian Journal of Fibre and Textile Research, NISCAIR vol.39, June 2014, P163-171. ISSN- 0971-0426

10	Effect of transverse pressure on tensile property of parallel fibre assembly	Indian Journal of Fibre and Textile Research, NISCAIR, vol.39, March 2014, P39-44, ISSN- 0971-0426
11	Finishing of Jute by Polyacrylic Rubber, DOI: 10.1080/00405000.2013.811169	The Journal of the Textile Institute, (Taylor & Francis, UK), vol.105, No.1, (2014) P67-73, ISSN-0040-5000
12	Effect of Spindle speed on the properties of Ring Spun Acrylic yarn	Journal of Institution of Engineers(India), vol.TX-84; August,2003, P10-13 ISSN-2250-2453
13	Effect of Ring and Rotor spun Polyester core yarn characteristics on the properties of Friction Spun Yarn	Journal of Institution of Engineers(India), vol.TX-83, August 2002, P9-16 ISSN-2250-2453
14	Studies on the properties of alkali treated jute-modacrylic flyer spun yarn.	Indian J. Fibre Text. Res., NISCOM (CSIR), Vol. 26, September 2001, P-240. ISSN- 0971-0426
15	Studies on the properties of Dref spun acrylic yarn.	Indian J. Fibre Text. Res., NISCOM (CSIR), Vol. 23, March 1998, P-8-12. ISSN- 0971-0426

12. Membership of Learned Societies: ISTE and Textile Association of India

13. Patents : NIL

14. Invited lectures delivered: From Industry and International Jute Study Group

15. Awards: NIL

16. Other notable activities:

i)Implementation of a sanctioned collaborative research project as a Co-PI with Eastern Michigan University, USA under R&D scheme of scheme of Ministry of Textiles, Govt. of India in this department of University of Calcutta on "Coating of textile based on jute and other natural fibres for technical applications" that has started on 2013 and ended on 2015.

ii)Initiated, as a faculty member of the department and successfully completed the process of entering into formal MOU with Eastern Michigan University, USA for student - exchange programme. Following such MOU, 7 students of Eastern Michigan University have visited **our** University and have taken a tailor made 10 days course on Traditional Indian Textiles and Fashion from our department-DJFT. Subsequently, 7 students of our department have visited the different

laboratories of Eastern Michigan University related to advanced textiles and polymer and got relevant training and take necessary tailor made course for their future work. It is to mention that as per MOU, at present 2 students from this department are doing their M.Sc. in Textile Course with full Assistantship from EMU, USA.