

**Personal Profile :**

Name of the Candidate	:	ADWAITA KONAR
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Permanent Address		Vill-PATUN; P.O. DENUR; Dist.- Purba Bardhaman
Father's Name	:	SHRI KANAI CHANDRA KONAR
Date of Birth	:	17 th June 1972
Sex	:	Male
Nationality	:	Indian
Religion	:	Hinduism
Marital Status	:	Married

Educational Qualification:

DEGREE	YEAR OF PASSING	BOARD / UNIVERSITY/ COLLEGE
PhD (Engg.)	2011	Jadavpur University (Chemical Engg. Dept.)
M. Tech in Textile Technology with Specialization in Textile Chemistry	1999	M.D. University (TIT&S, BHIWANI)
B.Tech. (Fibre Technology)	1996	Calcutta University, IIT, Kolkata
Post Graduate Diploma in Jute Technology	1994	Calcutta University, IIT, Kolkata
B.Sc.	1992	Calcutta University, Serampore College, Hooghly, WB
Higher Secondary	1989	W.B.C.H.S.E.
Secondary	1987	W.B.B.S.E.

Other Professional Qualifications and membership:

MIE, Member of Institution of Engineers (India) -Textile Engg. Divn. Membership no. - M-134007-1, 2007.

1. Specialized Training Undertaken :

Name of the Training	Organization	Period
Five days Foreign Training and Visit	DMK Fabrics, France & Germany (as a company' technical representative, from Auro Textiles, Baddi, HP)	November-2002
One Week Training	South India Textile Research Association (SITRA)	August'2009
Five days Training on Computer-aided colour matching with BYK Gardener Spectrophotometer	Premier colorscan Instrument Pvt. Ltd Navi-Mumbai	November' 2008
Two weeks Teachers' Training on work study course for Garment Industry	METHODS-Apparel Consultancy Pvt Ltd	April' 2007
One month In Plant Training in Textile Chemical Processing	Bhiwani Textile Mills, Gravieria (A Unit of Grasim Industries Ltd.) Bhiwani, Haryana	October – November 1996
Four Months In Plant Training in Jute Processing	Nafar Chandra Jute Mill, Kankinada, West Bengal	March – June 1994

5. Work Experience :

A. Full Time :

Name of the Organisation	Designation	Nature of Job	Period
Auro Textiles (A Unit of Vardhman Spinning & General Mills Ltd.), H.P.	Asst. Manager	Product Development, Quality Assurance & Customer service	June'99 to March'05
Jayashree Textile , Fabric division (Indian Rayon) Rishra, W.B.	Deputy Manager	Production	April'2005 to August' 2006
Apparel Training & Design Centre, Kolkata (under AEPC,MOT,GOI)	Faculty -I (Lecturer)	Teaching & Research	Aug'06 to Sept'08
Institute of Jute Technology, CU, Kolkata -19	Sr. Research Fellow in JTM R &D Project. (P-17)	Research & Development	September '08 to August' 09
Department of Jute and Fibre Technology, Institute of Jute Technology, CU	Lecturer, Assistant Professor, Textile Chemistry	Teaching & Research	August'09 to November'14
Govt. College of Engineering and Textile Technology, Serampore	Professor	Teaching & Research	Since 18 th November'14

Part Time:

Name of the Organisation	Designation	Nature of Job	Period
Technological Institute of Textile and Sciences, Bhiwani, Haryana.	Teaching Assistant	Teaching	July-1997 to May 1999
Govt. College of Engg and Textile Technology, Serampore, Hooghly, W.B.	Part time Faculty	Teaching	July' 2008 to February 2010,

6. Research Work Experience :

- A. Studies on Textile Related Properties and Dyeability of Jute and Chemically Modified Jute Textiles using Selective Synthetic & Natural Dyes –**Ph.D. Thesis submitted at Jadavpur University, Kolkata, 2011.**
- B. Standardization of Application of Natural Dyes on Jute Based Textiles for Eco-Friendly Jute Decorative and Diversified Products–**Worked as S.R.F.** in Jute Technology Mission (National Jute Board) R&D Project no.-17 under Mini-Mission IV, Govt. of India
- C. Effect of solvent pre-treatment and selective post treatment for improved dyeability of micro-denier polyester fabric–M. Tech dissertation submitted (1999) at TIT&S (Bhiwani) under M D University, Rohtak.
- D. Modification of cotton by Esterification – B. Tech research project submitted (1996) at Calcutta University.

7. Publications :

A. Books/ Book Chapter

1. One of the Author of Book Chapter; "**Textile Dyeing / Book 3**", ISBN 979-953-307-240-0.
Publisher: INTECH Open Access, University Campus, STeP Ri, Slavka Krautzeka 83/A, 51000 Rijeka, Croatia.
2. One of the Author of Book ; “Application of Natural Dyes on Jute and Textiles”
Publisher: Department of Jute and Fibre Technology, Institute of Jute Technology, University of Calcutta; 35, B C Road, Kolkata – 700 019, India. (Applied for ISBN no.)

B. Following are the Publications in various Textile Journals/conference Proceedings of national / international repute.

1. Dyeability of Jute, cotton and jute cotton union fabrics after chemical modification with tannic acid and soya-bean seed extracted mixed natural amino acids – for dyeing with Acid Dye, Basic Dye and Reactive Dyes – **Indian Journal of Natural Fibres**, Vol.4(1) July 2017, pp-77.

- 2.Characterization of Chemically modified Jute, cotton and jute cotton union fabric after treatment with natural amino acid extract of waste soya-bean seeds and tannic acid – **Indian Journal of Natural Fibres**, Vol.4(1) July 2017,pp-59.
- 3.“Studies on dyeing process variables and colour interaction parameters for application of reactive dyes on jute” – **Indian Journal of Natural Fibres**, Vol.3(1) July 2016,pp-1.
- 4.“Eco-friendly salt-free reactive dyeing of cotton (muslin) fabric after cationization with amino acid from soya” - **Textile research Journal**, DOI: 10.1177/0040517515621135, 2016
- 5.“Studies on Reactive Dyeing of Natural Amino-acid Modified Cationized Jute Fabric: Colour Interaction Parameters and Colour Fastness Properties”- **Journal of Materials (AASCIT)**. Vol 1 No. 4, pp. 89-97. (online – 10th November, 2015)
- 6.“Studies on Dyeing Process Variables for Salt Free Reactive Dyeing of Glycine Modified Cationized Cotton Muslin Fabric”–**Springer publication**, Text Engg. Div., IE(I) Vol 96(1),pp. 31-44, April 2015
- 7.Cationization of Periodate Oxidized Cotton Cellulose of Muslin Fabric Using Natural Amino Acid Extract from Soya Bean Seed Waste and Its Eco-Friendly Dyeing - **Journal of Materials Sciences and Applications (AASCIT)** Vol 1 No. 4 pp. 142-154. (online – 20th July 2015).
- 8.Standardization of Methodologies for Application of Natural Dyes on Jute – **Standards India** Vol. 28 No. 5 January 2015
- 9.Salt-free Reactive Dyeing of Amino-Acid Modified Jute – **Indian Journal of Natural Fibre** : ISSN 2348-7445 Vol 1 No. -1 (2014) pp. 15-28
10. Effects of Amino-acid Modification of Jute Fabric on its Textile Related Properties and Dyeability with Selective Reactive Dyes - **International Review of Applied Engineering Research**; ISSN 2248-9967 Vol 4, No.-1 (2014), pp. 51-67.
11. Natural Dyeing of Jute Fabric with Catechu - **International Journal of Applied Engineering Research** - ISSN 0973-4562 Vol-9, No.- 4 (2014) pp. 451-467.
12. Physico-Chemical Studies on Dyeing of Jute Fabric with Tesu: Part – II - Thermodynamic Parameters and Kinetics of Dyeing. *Indian J of Fib and Text Res*, Vol. 37, June, 2012
13. Application of natural dye for colouration of jute and cotton textiles. *Proceedings of National Workshop and Seminar on “Vegetable dye and its application on textiles”* published by Department of Silpa-Sadana, Sriniketan – 731236, Birbhum, West Bengal, November 2011.
14. Eco-friendly Application of Natural Dyes on Jute for Biotechnological Processing. *Proceedings of International Seminar on “Strengthening of Collaboration for Jute, Kenaf and Allied Fibres Research and Development”* published by IJSG, Dhaka, Bangladesh, September 2011. pp.173-188
15. Dyeing of Jute Fabric with Tesu Extract: Part -1 — Effects of Different Mordants and Dyeing Process Variables on Colour yield and Colour Fastness Properties. *Indian J of Fib and Text Res*, Vol. 36, March, 2011
16. Effect of Chemical Modification of Jute Fabric with Ethylene Di-amines and Hydrazines on its Textile Related Mechanical Properties and Dyeability. *Journal of Polymer Material*, Vol 27(3), (September 2010) 203-231
17. Effects of different mordants, extraction condition and dyeing process variables on colour interaction parameters and colour fastness properties in Dyeing of Jute fabrics using Manjistha, A Natural Dye. **Journal of Institution of Engineers (India)**, Vol 91, August (2010), 7-15.

18. Natural Dyes for Dyeing Natural Fibres. **Indian Science Cruiser**, Vol 24(3) (May 2010) 57-75
19. Characterisation and Application of Purified Selective Natural Dyes on Jute – ***International Dyer***, April'2008, 25-32.
20. Selective chemical pretreatment & post treatment on microdenier polyester fabric for improving surface depth of colour – ***Indian J of Fib and Text Res***, Vol 28, (2003) 76
21. Effect of single solvent and mixed solvent pretreatment and selective dye-bath additives on surface colour and light fastness of microdenier polyester fabric – ***Indian J of Fib and Text Res***, Vol 28, (2003) 312
22. Road map for wet processing of microdenier polyester fabric and relevant studies on its dyeability – **Man Made Textiles**, October (2003) 391
23. Microfibre Fabric – Its various aspects – **Colourage**, Annual, (1999) 89
24. Chemistry and Uses of Textile Lubricants – **Textile Trends**, June (1999) 21

8. Seminar / Workshop participation

A. International Seminar

- i. *Effect of Different Mordants, Extraction Condition and Dyeing Process Variables on colour Interaction Parameters and Colour Fastness Properties in dyeing of Jute Fabric with Catechu, A Natural Dye* - international workshop on natural dye held at NAIP-VCND college of Home Science on 5-8th March 2014 Hyderabad, AP.
- ii. *Green Processing of Jute and other Textiles for fulfillment of Eco-Criteria and Pollution Control Norms*, (A K Samanta and A Konar), International Conference on Environment and its Impact on Society held at J D Birla Institute , Jadavpur University, Kolkata on 18-20th August, 2013.
- iii. *'Ecofriendly Application of Natural Dyes on Jute for Biotechnological Processing'* ; International Seminar on Strengthening of Collaboration for Jute, Kenaf and Allied Fibres Research and Development of IJSG, Dhaka, Bangladesh held at Dhaka, Bangladesh on 8-9th June, 2011.

B. National Seminar

- I. *'Dyeing of Jute Fabric with Tesu Extract – Effective Mordanting and Dyeing Process Variables on Colour Yield'* One day Technological Conference on Role of Natural Fibres in Environmental-friendly Industrial Growth in the 58th Anniversary Day Celebration of The Textile Association (India), W B Unit , held at NIRJAFT on 21st Feb, 2009.
- II. *'Dyeing of Jute Fabric (Natural Fibre) with Manjistha, A Natural Dye'* Book of paper of the All India Seminar of Textile Engg. Division of Institution of Engineers (India) on Challenges in Technology and Market Development for Jute and Other Natural fibre Industry held at Sir R N Mukherjee Hall, WBSC,IE(I); 8, Gokhale Road, Kolkata – 700 020, 13-14th Nov, 2009.
- III. *'Standardization of Application of Natural Dyes on Jute based Textiles for Eco-friendly Jute Decorative and Diversified Products'* Seminar on Midterm Assessment of JTM R&D Project – MM- IV – Scheme – 7.1 (JTM – JMDC R&D Project No.–17) held at Kennedy Hall, Kolkata – 700 019 on 26th March, 2010.

IV. National workshop and seminar on ‘*Vegetable dye and its application on textiles*’ organized by Department of Silpa-Sadana, Visva-Bharati, West Bengal on 2nd – 4th December, 2011.

9. List of Ph.D. Thesis Guided

Sr. No	Title of the Thesis	Name of Ph.D. Researcher	Dept./ Faculty & University	Status of degree Award
01	Physico-chemical studies on colour parameters for dyeing of Jute and chemically modified Jute Textiles	Sarmistha Chakrabarti PhD Reg. No. 1060 Ph.D. (Tech) Proceed / 2009 dated 20.03.09	DJFT, IJT, University of Calcutta	Degree awarded on December'2014
02	Eco-friendly Chemical Processing of Jute And Blended Jute Substrate	Nilendu Sekhar Bhaumik. PhD Reg. No.0983 Ph.D. (Tech) Proceed /12 dated 28.02.2012	DJFT, IJT, University of Calcutta	Degree awarded on December'2018