**RESUME**

**Dr. Rachna**

Assistant Professor

Dayalbagh Educational Institute

**Email:** dr.rachna.366872@2freemail.com

**OBJECTIVE**

To implement my skills and knowledge in an institute which provides affable work environment, inspires excellence and stimulates professional and personal growth.

**WORK EXPERIENCE**

**Sept. 2014- Conti. -**Working as **Assistant Professor (Apparel Manufacturing)** in Deptt. of Home Science, Faculty of Arts. Dayalbagh Educational Institute, Deemed University Agra.

**March 2014-Sept.2014:** Worked as **Senior Research Fellow** under National Fellow Project (ICAR) in Deptt. of Clothing and Textiles Collage of Home science G.B.P.U.A.&.T. Pantnagar

**Aug 2010- July 2011:** Anant Creation Pvt Ltd. New Delhi (Deals in garment accessories) worked as **Merchandiser**.

**Nov.2009- March 2010:** Reliance International,New Delhi (Deals in ladies hi -fashion Garments) worked as **Assistant Merchandiser**.

**ACADEMIC ACHIEVEMENTS**

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| --- | --- | --- | --- | --- |
| **DEGREE** | **BOARD/ UNIVERSITY** | **SUBJECTS** | **YEAR** | **MARKS %** |
| Ph.D | College of Home ScienceG.B.P.U.A.T.,Pantnagar | Clothing and Textiles | 2014 | 7.63(C.G.P.A.) |
| M.Sc | Banasthali UniversityJaipur, Rajasthan | Clothing and Textiles | 2009 | 76.48 |
| B.Sc | M.J.P. RohailkhandUniversityT.M.I.M.T Moradabad | Home Science | 2007 | 74.92 |
| Intermediate | Allahabad Board | Hindi,English,Voc. Clothing and Textile | 2004 | 79.60 |
| High School | Allahabad Board | Hindi, English,Science, Social Studies, arts | 2002 | 62.66 |
| National Eligibility Test (NET) | University Grant Commission Delhi | Home Science – Clothing & Textiles | 2013 | Qualified |

**CERTIFICATES AND TECHNICAL KNOWLEDGE:**

* 1 Month Training of **Jindex Garment CAD** software by TNG Training Institute, Bangalore
* 1 Month Training of **Jindex Fashion CAD** software by TNG Training Institute, Bangalore
* 6 month certificate course in **Computer Aided Designing** from ***I.I.F.T*** Delhi
* Certificate course in **Photoshop**from ECC Delhi
* Excellent Knowledge of Computer and Internet
* Fluent in English and Hindi language

**PROFESSIONAL TRAINING:**

**2009:**One month internship in *Prakash Woolen Mills,* Moradabad (U.P.)

**RESEARH WORK**

**2009**M.Sc. research work entitled “Adaptation of mughal costumes with structural and decorative details”.In Banasthali University. Jaipur Rajasthan.

**2012** Ph.D. Semester research work entitled “Current status of packaging materials in selected states of northern Indian apparel industry” at G.B.P.U. A. & T. Pantnagar

**2014** Ph.D. Thesis entitled “A study of textile recycling units of western U.P. and production of eco-friendly fabrics finished with microencapsulation technique”at G.B.P.U. A. & T. Pantnagar

**PATENT FILLED**

**2016** Development of Nonwoven Fabric by Using Recyled Cotton and Polyester Fibers Patent application no.- 201611040680 dated 29-11-2016

**2017** “Development of Insect Repellent Finish by Microencapsulation Technique”Patent Application No. 201711005224 dated 14-02-2017

**ACADEMIC SEMINARS & CONFERENCES**

**2011** Participated inInternational conference on **“Textiles”- A decade ahead,** 9-10 September, 2011 jointly organized by North India Section of Textile Institute and department of textile technology, IIT Delhi.

**2012** Participated in International youth conference 2012 on **“Youth for integral humanism**” held on 12th -13th January 2012 organized by Viveknand swadhyaymandal and sanskritic ChetnaparishadG.B.P.U.A.&T. Pantnagar

**2012** Presented a paper on “**New emerging trends in mughal costumes with structural and decorative features”**in3rdNational conference on “Recent innovation in engineering and technology 24-25march, 2012 organized by Golden Galaxy group of Institutions Ambala

**2012** Presented a paper on “**Energy conservation in textiles industry**”in National Seminar on Role of Home science, 2-3rd November, 2012 organized by Banaras Hindu Vishvavidyalya , Varanasi.

**2012**  Presented a paper on **Role of polyvinyl alcohol in textiles** in National Seminar on Role of Home science, 2-3rdNovember,2012 organized by Banaras Hindu Vishvavidyalya , Varanasi.

**2012** Presented a research paper on **“Assessment of consumer preference on packaging materials used for apparel packaging in Uttarakhand state”** in 7thUttarakhand state science and technology congress 2012, 21-23 Nov 2012

**2012** Presented a paper on “**Eco auditing – management tool for sustainability”** in International Symposium on “Agriculture communication and sustainable rural development: information to knowledge to wisdom- envisioning a food sovereign world in the third millennium (22-24 Nov. 2012) organised directorate of communication, G.B.P.U.A.&T. Pantnagar

**2013** Presented a paper on “**Development of eco-friendly shopping bags from waste material”** in world congress on “**“**Business, Finance, Marketing and Industrial Management for Sustainable Development”(BFMIMSD – 2013) on 25th-26th May, 2013organised by krishi sanskriti.

**2014** Presented a paper on **“Textile entrepreneurship activity for women empowerment”** in IV international conference on Entrepreneurship Challenges, issues & practices organized by Department of Management studies (In collaboration with NIESBUD) TMU on 4-5 March 2014.

**2014** Participated in “**All India Seminar on emerging Technology for sustainable resource Management** organized by pantnagar local centre, The institute of engineers (India), G.B.P.U.A. &T. Pantnagar March 13-14 2014

**2015** Participated in **National Seminar on Ethics and Plagiarism in Academic Research** sponsored by GUJCOST and DST, at M.S. University of Baroda on 24th August 2015.

**2016** Presenteda paper on **‘’Vocationalization of Garment Manufacturing’’**inInternational Conference on ‘Sustainable Skill Development (SSD)–Challenges and Future Perspectives’, from 18-19 February, 2016 at NITTTR, Chandigarh.

**BOOKS AND CHAPTERS IN COMPOUND BOOKS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **Title of Publication**  | **Nature of Publication**  | **Name of Publisher**  |
|  | **Sharma, R** and Goel, A. 2012. Current status of packaging materials in Indian apparel industry. | Book  | Lambert Academic Publishing. ISBN No 978-3-659-26909-7.  |
|  | **Sharma, R.**and Rani A. 2013 Sustainability through man - made textiles | Chapter in Compound Book  | Environmental Management-Daya publication house, New Delhi pp- 115-122 |
|  | Goel, A. and **Sharma, R.** 2014 Straw weaving | Chapter in Compound Book  | Extension for Agriculture and Rural Development. Biotech Books. New Delhi pp 151-154 |
|  | Goel, A. and **Sharma, R.** 2014 Recycling of textile waste : A sustainable approach  | Chapter in Compound Book | Selected Readings on Sustainable Development. Pp 78-88 Excel Books New Delhi |

**PAPERS PUBLISHED**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Title of Publication**  | **Nature of Publication**  | **Name of Publisher**  |
|  | **Sharma, R** and Panwar C. 2012. Adaptation of mughal costumes with structural and decorative details | Research paper | Asian Journal of Home ScienceLII (1): 29-32 ISSN No. 0040-5205**)**NAAS rating 2.98 |
|  | **Sharma, R** and Goel, A**.** 2012. High performance Fibre Aramids. November 2012.  | Review paper | Man Made Textiles in India. Vol. XL No.11 (5):373-377 |
|  | Shazia, M, Goel, A. and **Sharma R** 2012. High performance Olefin. | Review paper | Man Made Textiles in India. LII (5):149-151. NAAS rating 3.32 |
|  | **Sharma, R**. and Goel, A. 2012**.** Superconductivity in Textiles.  | Review paper | Textiles TrendsVol LV No-6 September ISSN 0040- 5205 :29-31 |
|  | **Sharma R** and Goel, A.2013. Smart textiles.  | Review paper | Asian Textile Journal January Vol 22 No 1 ISSN 0971 3425 : 75-79 |
|  | **Sharma R** andJahan S. 2013 Resource conservation in textiles industry | Review paper | Textiles Review Vol. 8 issue February 2013 2 ISSN 0974-2530 :12-14 |
|  | **Sharma, R** and Goel, A**.** 2013.Development of eco-friendlyshopping bags from waste material | Research paper | Global Journal of Finance and Management Vol.5 Number 12, ISSN 0975-6477 :49-52 |
|  | **Sharma, R** and Goel, A**. 2014.** Evaluation of structural and mechanical properties of sustainable eco-friendly fabrics lyocell and muga | Research paper | All India Seminar on emerging Technology for sustainable resource Management organized by Pantnagar local centre, The institute of engineers (India), Pantnagar March 13-14 2014 pp- 152-156 |
|  | Goel, A**.Sharma, R** and Badola J.C. **2014.** Textile entrepreneurialactivities for women empowerment | Research paper | View Point an International Journal of Management and Technology. January – June Vol 5 (1) ISSN 2229-3925 pp 25-27 |
|  | **Sharma, R** and Gahlot, M. **2014** Protective clothing for fire fighters  | Review paper | The Indian Textile Journal ISSN 0019-6436 August 2014 pp-104-108 |
|  | **Sharma, R** and Goel, A**. 2015** Status of Textiles Recycling and Waste Utilization in Amroha District | Research paper | International Journal of Basic and Applied Agriculture Research, Vol. 13 (1) January to April Pp:112-116  |
|  | **Sharma, R.** and Goel, A. **2016** Use of Textiles in Packaging  | Review Paper | GGGI Journal of Engineering and Technology (ISSN 2278-1226), Vol. 5, Issue 1, Jan. – Dec. 2016. Pp.78-81 |
|  | **Sharma, R.** and Goel, A. **2017** Development of Nonwoven Fabric from Recycled Fibres | Research paperIn Press  | Journal of Textile Science & Engineering |
|  | **Sharma, R.** and Goel, A. **2017** Development of Insect Repellent Finish by Simple Coaservation Microencapsulation Technique (IJCST-02-2017-0022) | Research paperIn Press  | International Journal of Clothing Science and Technology |
|  | **Sharma, R.** and Goel, A. **2017** Analysis of Insect Repellent Behavior of Eucalyptus Oil and Cedar Wood Oil towards Lepisma saccharina | Research paperIn Press  | **International Journal of Innovative Research in Science, Engineering and Technology** |

**ABSTRACTS PUBLISHED**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Title of Publication**  | **Nature of Publication**  | **Name of Publisher**  |
|  | **Sharma R.** and Jahan S. 2012. “Energy conservation in textiles industry**”** | Abstract | National Seminar on Role of Home science, 2-3rd November, 2012 organized by Banaras Hindu Vishvavidyalya, Varanasi. |
|  | **Sharma R.** and Goel A.2012. “Assessment of consumer preference on packaging materials used for apparel packaging in Uttarakhand state” | Abstract | 7thUttarakhand state science and technology congress 2012, 21-23 Nov 2012  |
|  | **Sharma R.** and Rani A.2012 “Eco auditing – management tool for sustainability**”** | Abstract  | International Symposium on “Agriculture communication and sustainable rural development: information to knowledge to wisdom- envisioning a food sovereign world in the third millennium organised directorate of communication, G.B.P.U.A. &T. Pantnagar |
|  | **Sharma R.** and Goel A.2013 “Organic Cotton” | Abstract | National Seminar on Innovations in Traditional Agriculture, 15-16 November, 2013 organized by G.B.P.U.A. &T., Pantnagar. |
|  | **Sharma R.** and Goel A.2012. A study on eco-friendly packaging for apparel in selcted states of north India  | Abstract | International conference on HWWE “Ergo 2012:Safety for all 6-8 December 2012 |
|  | Goel A. Kavita and **Sharma R. 2013** Status of textiles in Uttarakhand with special reference to woven designs | Abstract | 8thUttarakhand state science and technology congress 2013, 26-28 December 2013 |
|  | **Sharma R.2015,** Textile recycling: Waste to best  | Abstract | National Seminar on Emerging Trends in Fashion and Visual Arts March 26 2015 Amity University Lucknow |
|  | **Sharma R.** and Rani A. **2015 Heavy Metals in Textiles**  | Abstract  | National Seminar on “envisaging futures for textile and apparel industry" Institute of Fashion Technology on 4 – 5th April, 2015. |
|  | **Sharma R. 2016** ‘Vocationalization of Garment Manufacturing’’ | Abstract  | International Conference on ‘Sustainable Skill Development (SSD)–Challenges and Future Perspectives’, from 18-19 February, 2016 at NITTTR, Chandigarh |

**REVIEWER OF JOURNALS**

* Journal of Industrial Textiles, Sage publications

**WORK SHOPS ATTENDED**

**2013** Participated in the national workshop on “Scientific research paper writing” organized by The National Academy of Science, India held from April 5-7, 2013 at Mohan LalSukhadia University, Udaipur , Rajasthan.

**2014** Participated in workshop on ‘*Baas samvardhan, ropad, prabandhanavemupyogita’* organized by National bamboo mission held on 26-27 February 2014at G.B.P.U.A.& T.

**WORK SHOPS ORGANIZED**

1 day workshop on curriculum development of “Bachelor in Vocational (Apparel Manufacturing)” on 15th Nov. 2014. Dayalbagh Educational Institute, Dayalbagh University, Agra

1 week workshop (23/2/2015 to 28/2/2015) on Machine Embroidery**,** Dayalbagh Educational Institute, Dayalbagh University, Agra.

1 week workshop (16/3/2015 to 21/3/2015) on Sewing Skills for Children Garments, Dayalbagh Educational Institute, Dayalbagh University, Agra.

 3 days workshop (30/08/2016 to 01/09/2016) on fevicryl at Dayalbagh Educational Institute, Dayalbagh University, Agra.

**Workshops conducted for B.Voc (AM) students in 2016 -17 session**

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| --- | --- | --- | --- | --- |
| **S.No** | **Title**  | **Durations & dates** | **target group**  | **Expert** |
| 1 | Skill of Zardozi  | 3 days @ 4 hrs per day ( total 12 hours) Date 27 to 29th Feb 2017 | 3rd, 2nd and 1st year batches of B.Voc  | Mr. Raju,  |
| 2. | Sewing techniques of “Curtains and home furnishing”. | 2 day @ 3 hrs per dayDate 22nd to 23rd Aug 2016 | 1st year students  | Mr. Raj Kumar |
| 3 | “Drafting Cutting and sewing of Men’s Shirts” | 2 day @ 3 hrs per dayDate 27th &28th Oct 2016 | 3rd year students | Mr Banwari Lal |
| 4 | “Drafting Cutting and sewing of Men’s Trousers” | 3 day @ 3 hrs per dayDate 3rd &4th Nov 2016 | 3rd year students | Mr Banwari Lal |
| 5. | “Sewing techniques of Ladies blouse proper finishing”. | 1 day for 3 hrsDate 26th July 2016 | 2nd year students | Mrs. Tulsi Nigam  |
| 6 | “Drafting Cutting and sewing of Women’s straight fit pants” | 1 day for 3 hrsDate 23rd March 2017 | 2nd year students | Mr Banwari Lal |
| 7 | “Drafting Cutting and sewing of Women’s Patiala salwar” | 1 day for 3 hrsDate 25th March 2017 | 2nd year students | Mr Banwari Lal |
| 8 | Repairing and handling sewing machines  | 1 day for 3 hrsDate 12 February 2017  | 1st year students | Mr. Prabhat, USHA International  |
| 9 | Working on Embroidery machine | 3 day for 6 hrs per day Date23rd to 25th Jan2017 | 3rd year students | Mr.Ashish kumar Srivastva, Service manager, USHA International |
| 10. | CAD and its special features | 1 day for 3 hrsDate 25 July 2016 | 3rd and 2nd year students | Mr Mohan, Technical staff TNG, Banglore |
| 11.  | Creative Textures on surface of fabrics | 2 days for 3 hrs per day 23-24 Aug 2016 | 1st & 2nd year students | Mr. Deepak Gupta  |
| 12. | Repair of Sewing Machine | 3 days for 3 hrs per day (8thto 10th Aug 2016) | 1st & 2nd year students | Mr. Ratan Singh Nigam– A skilled expert |
| 13 | “Finishing a empire line Ladies blouse.” | 1 day for 3 hrsDate 4th Nov 2016 | 2nd year students | Mr. Ashok Kumar |
| 14  | “Fabric painting by “fevicryl” Pidilite  | 3 days for 3 hrs per day (30th Aug – 1st September2016) | 1st and 2nd year students | Mr. Narendra  |

**EXTRA CURRICULAR ACTIVITIES**

**2005-2006** Participated in skit competition and won first prize, organised by TeerthankarMahaveer Institute of Management and Technology Moradabad

**2014 -** National Service Scheme (NSS) , participated in 1 week camp at Dayalbagh Educational Institute, Dayalbagh University, Agra

**TRAINING IMPARTATION**

**21/11/2014 to 27/11/2014** Training impartation (Sewing) for women empowerment in Rajaborari village Madhya Pradesh.

**01/02/2015 to 08/02/2015** Training impartation (Sewing) for women empowerment in Rajaborari village Madhya Pradesh.

**15/05/2016 to 21/05/2016** Training impartation (Sewing) for women empowerment in Rajaborari village Madhya Pradesh.

**MEMBERSHIP**

* Member of Home Science Association India. HSAI Membership No. **15/UP/S-1/LF,** Since 2015

**PERSONAL PROFILE**

 Date of birth : 12/10/1988

Language Known : Hindi and English

Personal Interest: Internet surfing, reading books

Gender & marital status: Female, Married

**Place**: Abudhabi (UAE )

**Date**: 24/02/2017 Rachna