

# **CURRICULUM VITAE**

**Name**

Dr Shaukat Ali

## **NUMBER OF STUDENTS GUIDED**

	M.Sc. or equivalent	M.Sc. (Hons.)/M.Phil	Ph.D.
As major Supervisor	100	110	10
As committee Member		40	04

## **AWARDS:**

- **First Position in M.Sc.**
- **Research Excellent Paper Award, 2008 from Research Journal of Textile and Apperal, Hong Kong.**
- **Bronze Medal, 2008 from Society of Dyers and Colourists, UK.**
- **Research Productivity Allowance, 2012**

## **INTERNATIONAL RESEARCH PAPERS PUBLISHED IN JOURNALS HAVING IMPACT FACTOR**

S.No	Authors	Year	Title	Name of Journal with Volume, Page and ISSN Numbers.	Impact Factor
1.	Taqdees Zahira, Sadia Noureen . . Shaukat Ali, Hina Haq, Mubashar Alam, Anam Akhtar and Muhammad Abdullah.	2025	An eco-friendly microwave assisted recycling of cellulosic fabric dyed with reactive red CL4BN and reactive black PLS.	International Journal of Biological Macromolecules	7.7
2.	Mubashar Alam, Sadia Noureen . . Shaukat Ali and Urooj Khalid	2024	Unravelling the role of microwave absorber in color stripping of a dyed material of a dyed natural polymeric material with microwave assisted method.	Cellulose (2024)31:3855-3870	5.6
3	Anam Akhtar . Mubashar Alam, Sadia Noureen . Shaukat Ali . Adina Tehreem and Aiman Shoukat	2024	Transforming waste cellulose fabric dyed with reactive yellow C4GL into value textile by a microwave assisted energy efficient.	Heliyon DOI: <a href="https://doi.org/10.1016/j.heliyon.2024.e29815">https://doi.org/10.1016/j.heliyon.2024.e29815</a>	4.0

4	Mubashar Alam · Shaukat Ali · Sadiah Noureen · Taqdees Zahira · Anam Akhtar · Muhammad Aqib Ali Khan	2023	Study of microwave- assisted sequential color stripping of cellulosic fabric dyed with reactive blue black 5 and reactive turquoise CLB	Cellulose (2023) 30:5339–5354	5.6
5	Maryam Naveed a, Shaukat Ali a,*, Javed Iqbal a, Muhammad Tahir Hussain b, Muhammad Asgher c	2023	Combined computational and experimental study: Synthesis, DFT-calculated and experimental characterization and application of new s- triazine based fiber reactive UV absorbers M	Journal of Molecular Structure	3.8
6	Umme Habibah Siddiqua · Shaukat Ali · Ghulam Qadir Hassan · Ayesha Malik · Saima Noreen · Sohaila Andleeb	2023	Significance of Natural Colorant Extracted from Leaves of Murraya Exotica and Assessment of Dyeability on Cellulosic Fiber via Statistical Modeling	Fibers and Polymers	2.5
7	Iqra Khalid, Rasheed Ahmad Khera, Shaukat Ali & Muhammad Shahid	2022	Design, synthesis, and comparative study of optoelectronic properties of arylated triazine-based sulfanilamide derivatives through Suzuki–Miyaura cross-coupling reactions	Journal of molecular Modeling	2.2
8	Sadia Noureen, <b>Shaukat Ali</b> , Javed Iqbal , Muhammad Anjum Zia, Tanveer Hussain	2022	Synthesis, comparative theoretical and experimental characterization of some new 1,3,5 triazine based heterocyclic compounds and in vitro evaluation as promising biologically active agents	Journal of Molecular Structure 1268 133622	3.8
9	Sadia Noureen, <b>Shaukat Ali</b> , * Muhammad Anjum Zia,a Muhammad Afzal, Ali Raza Ayubc and Mohamed El- Naggarde	2022	Synthesis, combined theoretical and spectral characterization of some new 1,3,5 triazine compounds, and their in vitro biological analysis	React. Chem. Eng., 2022, 8, 465	3.9

10	Umme Habibah Siddiqua, <b>Shaukat Ali</b> , Shazia Muzaffar, Zinayyera Subhani, Munawar Iqbal, Hina Daud, Dure Najaf Iqbal, Arif Nazir.	2021	Hetero-functional azo reactive dyes applied on cellulosic fabric and dyeing conditions optimization to enhance the dyeing properties	Journal of Engineered Fibers and Fabrics 16:1-12	2.5
11	Munazza Maqbool, <b>Shaukat Ali</b> , Muhammad Tahir Hussain, Asfandiyar Khan, and Shahid	2021	Comparison of Dyeing and Functionalization Potential of Some Selected Plant Extracts Applied on Cotton Fabric	Journal of Natural Fibers 18(1): 42-50	3.5
12	Umme Habibah Siddiqua, Shaukat Ali, Sobi Jabeen, Sadia Noor, Asma Tabassum, Nasir, Masood, Munawar Iqbal, Arif Nazir	2020	Decolorization and mineralization efficiency of the hetero-functional reactive dyes using advanced oxidation processes.	Desalination and Water treatment 227: 350-359	
13	Umme Habibah Siddiqua, Shaukat Ali, Tanveer Hussain, Munawar Iqbal, Nasir Masood & Arif Nazir.	2020	Application of Multifunctional Reactive Dyes on the Cotton Fabric and Conditions Optimization by Response Surface Methodology.	Journal of Natural Fibers	3.5
14	Umme Habiba Siddiqua, Muhammad Irfan, Shaukat Ali, Anum Sahar, Muahmmad Khalid, Muahmmad Shabir Mahr, Javed Iqbal.	2020	Computational and experimental study of heterofunctional azo reactive dyes synthesized for cellulosic fabric.	Journal of Molecular Structure	3.8
15	Munazza Maqbool, <b>Shaukat Ali</b> ,	2019	Comparison of Dyeing and Functionalization Potential of Some Selected Plant Extracts Applied on Cotton	Journal of Natural Fibers, DOI:10.1080/15440478.2019.1612304, 1544-0478.	1.076

	Muhammad Tahir Hussain, Asfandiyar Khan & Shahid Majeed.		Fabric.		
16	Mubashra Sarwar, <b>Shaukat Ali</b> , Muhammad Tahir Hussain, Muhammad Atif & Muhammad Irfan Majeed	2019	Cotton fabric dyeability assessment of floral extracts obtained from binary mixtures of <i>Callistemon citrinus</i> and <i>Tagetes erecta</i> L	Journal of Natural Fibers, 16:4,484-493,	1.076
17	Iqra Khalid, <b>Shaukat Ali</b> , Muhammad Tahir Hussain, Rizwan Ashraf, Asfandiyar Khan and Naseer Ahmad.	2019	Investigating the Impact of Hard Water on Natural Dyeing of Cotton Fabric by <i>Tagetes erecta</i> Flowers.	Accepted in Journal of the Chemical Society of Pakistan, 41(5):788	0.280
18	Saba Aslam, Nazish Jahan, Khalil-Ur-Rehman & <b>Shaukat Ali</b>	2019	Formulation, Optimization, and in-vitro, in-vivo evaluation of surfactant stabilised nanosuspension of <i>Ginkgo biloba</i>	JOURNAL OF MICROENCAPSULATION 2019, VOL. 36, NO. 6, 576–590	2.040
19	Farieha, Nazish Jahan, Khalil-ur-Rahman and <b>Shaukat Ali</b>	2019	Effect of Herbal Mixture as Angiotensin Converting Enzyme Inhibitor in Angiotensin-II Dependent Hypertension	Pakistan Veterinary Journal . 2019, Vol. 39 Issue 1, p25-30,	1.27
20	Inam Ullah, <b>S. Ali</b> and L. Grøndahl	2018	Evaluation of an ultrasonic-assisted mechanical stirring technique for the synthesis of an efficient nano-photocatalyst	Research on Chemical Intermediates, 44(07):4015-4028.	1.674
21	Sahar, A. and <b>S. Ali</b>	2018	Treatment of Cotton Fiber with Newly Synthesized UV Absorbers: Optimization and Protection Efficiency	Fibers and Polymers, Vol.19, No.11, 2290-2297.	1.022
22	Hanif, A., <b>S. Ali</b> , H. N. Bhatti and M. Asghar	2018	Bioremoval of Drimarine Yellow HF-3GL by immobilized hybrid biosorbant	Oxidation Communications, 40(1):83-91. 02094541.	0.974
23	Khalid, Z., <b>S. Ali</b> and M. Akram	2018	A Review on Polyphosphazenes based materials for bone and skeleton tissue engineering.	International Journal of Polymeric Materials and Polymeric Biomaterials, 67(11):693-701.	1.515
24.	Sahar. A., <b>S. Ali</b> , T. Hussain, N. Jahan and M. A. Zia	2018	Efficient optimization and mineralization of UV absorber: A comparative investigation with fenton/UV/H <sub>2</sub> O <sub>2</sub>	Open Chem., 16: 702-708.	1.425
25	Sahar. A., <b>S. Ali</b> ,	2018	UV absorbers for Cellulosic Apparels: A	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 188:355-361.	2.536

	T. Hussain, M. Irfan, B. Eliasson and J. Iqbal		Computational Experimental Study		
26	Ullah, I., S. Ali, M. A. Hanif and M. A. Zia	2017	Photocatalytic Activity of Al <sub>2</sub> O <sub>3</sub> .Fe <sub>2</sub> O <sub>3</sub> Synthesized by Ultrasonic-Assisted Mechanical Stirring	Polish Journal of Environmental Studies, 26(6):2777-2784.	0.793
27.	Siddiqua, U., S. Ali, M. Iqbal and T. Hussain	2017	Relationship between structure and dyeing properties of reactive dyes for cotton dyeing	Journal of Molecular Liquids, 241:839-844.	3.648
28	Siddiqua, U., S. Ali, T. Hussain, H. N. Bhatti and M. Asghar	2017	Dyeing process and environment: Enhanced dye fixation on Cellulosic Fabric using Newly Synthesized Reactive Colorant	Polish Journal of Environmental Studies, 26(5):2215-2222.	0.793
29	Mahmood, S., S. Ali, M. A. Qamar, M. R. Ashraf, M. Atif and M. Iqbal.	2017	Hard water and dyeing properties: Effect of pre- and post-mordanting on dyeing using Eucalyptus globulus and Curcuma longa extracts	Polish Journal of Environmental Studies, 26(02):747-753.	0.793
30	Maryam Aslam, Bushra Sultana, Shaukat Ali and Khalil-Ur-Rehman.	2014	Modification in antioxidant potential of Coriandum sativum using selected plant growth regulators.	Asian Journal of Chemistry. 26(2014):5105-5109	0.268
31	Nadia Noor, R. A. Sarfraz, S. Ali and M. Shahid.	2014	Antitumor and antioxidant Potential of Selected Pakistani Honey	Food Chemistry, Volume 143(1):362-364. 0308-8146.	3.334
32	Maryam Aslam, Bushra Sultana, Shaukat Ali and Khalil-ur-Rehman.	2013	Alteration in antioxidant potential of Spinacia oleracea in response to selected plant growth regulators	Pak. J. Agri. Sci., Vol. 50(4), 699-706.	1.240
33	Sana Sadaf, Haq Nawaz Bhatti, Shaukat Ali & Khalil-ur-Rehman	2013	Removal of Indosol Turquoise FBL dye from aqueous solution by bagasse, a low cost agricultural waste: batch and column study.	Desalination and Water Treatment, 52: 184-198	0.852
34	Nasir Bilal and Shaukat Ali	2014	Application of advanced oxidations processes for the treatments of textile true effluents.	Asian Journal of Chemistry. 26: 1882-1889	0.268
35	Nazish Jahan, Khalil-ur-Rehman, Shaukat Ali and M. R. Asi.	2013	PHENOLIC ACID AND FLAVONOL CONTENTS OF GEMMO-MODIFIED AND NATIVE EXTRACTS OF SOME INDIGENOUS MEDICINAL PLANTS.	Pak. J. Bot., Volume 45(3):1515-1519. 2070-3368.	0.872
36	Hafiza Noreen, M. A. Zia, S. Ali and T. Hussain..	2013	Optimization of bio-polishing of polyester blended fabrics with cellulases prepared <i>Aspergillus niger</i>	Indian J of Biotechnology,13:108-113. 0972-5849.	0.510
37	Shumaila Anwar,	2013	Microwave-Assisted Extraction and Nitric oxide	Asian Journal of Chemistry. Volume, 25(13) :7125-7130.	0.268

	Nazish Jahan, Khalil-Ur-Rahman, Shaukat Ali and Saba Aslam.		and Superoxide Attenuation Potential of Polyphenolics from <i>Bauhinia variegata</i> .		
38	Assad Farooq, Shaukat Ali, Naheed Abbas, Naila Zahoor and M. Azeem .	2013	Optimization of Extraction and Dyeing Parameters for Natural Dyeing of Cotton Fabric Using Marigold ( <i>Tagetes erecta</i> ).	Asian Journal of Chemistry. Volume, 25(11) :5955-5959.	0.268
39	Assad Farooq, Shaukat Ali, Naheed Abbas, Ghulam Alia Fatima, Muhammad Azeem Ashraf.	2013	Comparative performance evaluation of conventional bleaching and enzymatic bleaching with glucose oxidase on knitted cotton fabric.	Journal of Cleaner Production, 42:167-171. 0959-6526.	2.727
40	Shumaila Kiran, Shaukat Ali and Muhammad Asgher.	2012	Degradation and Mineralization of azo dye Reactive Blue 222 by sequential Photo-Fenton's oxidation followed by aerobic biological treatment using white rot fungi.	Bulletin of Environmental Contamination and Toxicology, 90(2):208-215.	1.33
41	NAZISH JAHAN, KHALIL-UR-RAHMAN AND S. ALI.	2012	Cardioprotective and Antilipidemic Potential of <i>Cyperus rotundus</i> in Chemically Induced Cardiotoxicity.	INTERNATIONAL JOURNAL OF AGRICULTURE & BIOLOGY, 14(6):989-992.	0.94
42	Nazish Jahan, Khalil-ur-Rahman, Shaukat Ali, M. Rafiq Asi and Ajaz Akhtar.	2012	Cardioprotective Potential of Gemmomodified Extract of <i>Terminalia Arjuna</i> against Chemically Induced Myocardial Injury in Rabbits.	Pakistan Veterinary Journal, 32(2): 255-259. P0253-8318,	1.255
43	Shumaila Kiran, Shaukat Ali, M. Asgher and Farooq Anwar.	2012	Comparative study on decolorization of reactive dye 222 by white rot fungi <i>Pleurotus ostreatus</i> IBL-02 and <i>Phanerochaete chrysosporium</i> IBL-03.	African Journal of Microbiology Research, 6(15): pp. 3639-3650.	0.567
44	MUHAMMAD ZUBAIR, FAROOQ ANWAR, SHAUKAT ALI and TAHIRA IQBAL.	2012	Proximate Composition and Minerals Profile of Selected Rice ( <i>Oryza sativa</i> ) Varieties of Pakistan.	Asian Journal of Chemistry. Volume, 24(1) :417-421.	0.268
45	Shahzad Ali Shahid Chatha, Muhammad Asgher, Shaukat Ali, Abdullah Ijaz Hussain	2012	Biological color stripping: A novel technology for removal of dye from cellulose fibers.	Carbohydrate Polymer, 87 (2) 1476– 1481 01448617	3.463
46	NAZISH JAHAN, KHALIL-UR-	2011	Antioxidant activity of Gemmo therapeutically treated indigenous	Asian Journal of Chemistry. Volume, 23(8) :3461-3470. 0970-7077	0.268

	REHMAN, SHAUKAT ALI AND IJAZ AHMAD BHATTI. (2011).		medicinal plants.		
47	NAZISH JAHAN, KHALIL-UR- REHMAN, SHAUKAT ALI AND IJAZ AHMAD BHATTI.	2011	Antimicrobial Potential of Gemmo-modified Extracts of <i>Terminalia arjuna</i> and <i>Euphorbia tirucalli</i> .	INTERNATIONAL JOURNAL OF AGRICULTURE & BIOLOGY, 13: 1001-1005. 1814-9596	0.940
48	Shahzad A.S Chatha, Shaukat Ai, Muhammad Asgher, and Haq Nawaz Bhatti.	2011	Investigation of the potential of microbial stripping of dyed cotton fabric using white rot fungi.	Textile Research Journal, 81(17):1762-1771.	1.220
49	AYESHA MAHMOOD, SHAUKAT ALI, HAMNA SALEEM and TANVEER HUSSAIN.	2011	Optimization for Degradation of Commercial Reactive Yellow Dye 145 Through Fenton's Reagent	Asian Journal of Chemistry, 23(9):3875-3878.	0.268
50	Aiza Shoukat and S. Ali.	2011	Optimization of Fenton's Process for the Decolourization of Azo Dyes.	Asian Journal of Chemistry, 23(6):2625-2628.	0.268
51	Hussian Tanveer, Shaukat Ali and Farhan Qaiser	2010	Predicting the Crease Recovery Performance and Tear Strength of Cotton Fabric Treated with Modified N-methylol Dihydroxyethylene Urea and Polyethylene Softener.	Coloration Technology, Volume 126(5):256-260.	1.130
52	Ali Asif, Shaukat Ali, Hamna Saleem and Tanveer Hussain	2010	Effect of tannic acid and metallic mordants on the dyeing properties of natural dye extracted from <i>Acacia nilotica</i> bark.	Asian Journal of Chemistry. Volume, 22(9):7065-7069.	0.268
53	Shahid Adeel, Shaukat Ali , Ijaz A. Bhatti and Ferenc Zsila	2009	Dyeing of Cotton Fabric using Pomegranate ( <i>Punica granatum</i> ) Aqueous Extrac	Asian Journal of Chemistry, 21(5): 3493-3499. 0	0.268
54	Ali, S., T. Hussain and R. Nawaz.	2009	Optimization of alkaline Extraction of Natural Dyes from Henna leaves and its Dyeing on Cotton by Exhaust Method.	Journal of Cleaner Production, 17(1):61-66.	1.867

### **RESEARCH PAPERS PUBLISHED IN HEC RECOGNIZED JOURNALS**

S.No	Authors	Year	Title	Name of Journal with Volume, Page and ISSN Numbers.	Category
1.	M.Y. Hussain, Islam-ud-din, T. Hussain, N. Akhtar, S. Ali, and Inam-ul-Haq	2009	Responses of Sandal fix C4BLN Dye Solutions Using CO <sup>60</sup> γ Radiation Source at Intermediate Doses	Pak. J Agri Sci, 46(3):224-227. 0552-9034 & 2076-0906	Y

2.	M.Y. Hussain, N. A. Shad, N. Akhtar, S. Ali, T. Hussain and Inam-ul-Haq	2009	Commercial SFG Yellow CRL dye aqueous solutions for gamma dosimetry	Pak. J Agri Sci, 46(1):78-81 0552-9034 & 2076-0906	Y
3.	Shaukat A., F. A. Chughtai, N. Iram and K. Aftab	2002	Effect of chemical treatments on the production of furfural and active carbon from rice husk.	Int. J. Agri. Biol., 4 (1): 23-25. 1560-8530, 1814-9596	Y

### **FORMAL TRAINING (Received)**

Certificate / Diploma obtained	Name and Place of Institution	Years attended		Major Subjects Specialization
		From	To	
Postgraduate training course on "Nuclear and other Advance Techniques in Agriculture and Biological research"	NIAB, Faisalabad, Pakistan	October, 13-24, 2003		Nuclear Techniques
Workshop on Carbon Tetra Chloride (CTC) Phase Out in Pakistan	Faisalabad Chamber of Commerce and Industry, Faisalabad	September, 04, 2004		Strategies discussion to phase & may go to alternatives
National Training Course on "Online and Offline Resources in Chemical Sciences"	HEJ, Karachi, Pakistan	April, 04-08, 2005		Digital library for chemical studies
Research Training ' Cross-linking of lyocell fibres	Uni. Manchester, UK	July, 01 to September, 15, 2006.		Textile Research Training
Workshop on LCMS, GCMS & AAS in from	National Institute for Biotechnology and Genetic Engineering	April 25-29, 2011.		Advanced Analytical Techniques
Workshop on Development Industry Driven Technologies	University of Agriculture, Faisalabad Pakistan.	September 27, 2014		Discussions on commercialization of technologies
Nano-Tech meeting on wastewater treatment on	University of Agriculture, Faisalabad Pakistan.	May, 3 <sup>rd</sup> 2019		Wastewater treatment technologies

### **FORMAL TRAINING (As Resource Person)**

Certificate / Diploma obtained	Name and Place of Institution	Years attended		Major Subjects Specialization
		From	To	
Research Orientation Program	University of Agriculture, Faisalabad Pakistan.	June, 15-30, 2004		Participant as Resource Person/trainer



Research Orientation Program	University of Agriculture, Faisalabad Pakistan.	June, 15-30, 2004	Participant as Resource Person/trainer
Research Orientation Program	University of Agriculture, Faisalabad Pakistan.	August, 08-20, 2005	Participant as Resource Person/trainer
Imparting practical training in biochemical techniques	University of Agriculture, Faisalabad Pakistan.	February, 27 to March, 04, 2006	Participant as Resource Person/trainer
Research Training ' Cross-linking of lyocell fibres	Uni. Manchester, UK	July, 01 to September, 15, 2006.	Textile Research Training
Research Orientation Program of University of Agriculture, Faisalabad Pakistan.	University of Agriculture, Faisalabad Pakistan.	August 13-27, 2007	Participant as a resource person/trainer
Imparting practical training in biochemical techniques	University of Agriculture, Faisalabad Pakistan.	June 08-14, 2011	Participant as Resource Person/trainer
HEC Imparting practical training in molecular and biochemical techniques	University of Agriculture, Faisalabad Pakistan	November 27-December 01, 2012	Participant as Resource Person/trainer
Workshop Advanced Chemical Techniques in Natural and Applied Sciences	University of Agriculture, Faisalabad Pakistan.	September, 18-20, 2017	Participant as Resource Person/trainer

### **Services in University-Industry Linkages:**

Being a pioneer industrial consultant from University of Agriculture, Faisalabad to Sandal Dyestuffs Industries (copy attached), I have completed following major projects to promote the Professional advice culture in Pakistan through regularly paid consultancy. These efforts were also acknowledged by **HEC, Pakistan**. Now these Contract & Collaborative type of research where direct beneficiaries are involved are being admired by the **WIPO (World Intellectual Property Organization under umbrella of United Nations)** in their Commercialization Procedures: Licensing, Spin-offs and Start-ups; **Pakistan** is also signatory among the **192 Nations of World**. These kinds of projects may lead us towards Entrepreneurship culture in comparison to the **Traditionally Funded Type Research Projects** where direct beneficiaries are not involved.

Sr. No.	Project Title	Funds	PI	Present Status
1.	Shade Changing behavior of Pigment Red 170 at high temperature during cure process.	Sandal dyestuff Industries Ltd, Faisalabad	Dr Shaukat Ali	<b>Successful trial in lab. &amp; pilot scale</b>
2.	Failure to achieve the production of reactive blue 222	Sandal dyestuff Industries Ltd, Faisalabad	Dr Shaukat Ali	<b>Successful trial in lab. &amp; pilot scale along with productions</b>

3.	Cost effective route for the synthesis of Reactive black 5 (World's largest selling dye)	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
4.	Yield improvement & crystallization issues of Zinc Sulphate	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
5.	Development of 5&10 % Boron solution, micronutrients	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
6.	Quality & yield improvement of Reactive Red 195 & Reactive Orange 122	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
7.	Development of Dull reactive orange for Jet black to reduce cost	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
8.	Development of various tanning agents	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successful in lab. Trials</b>
9.	Development of new reactive dull orange & Red for high quality jet blacks	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successfully implemented in productions</b>
10.	Development of New range of trichromy of RGB reactive dyes	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successful trial in lab. &amp; pilot scale (ready for market launch against imported)</b>
11.	Development of New range of trichromy of ED reactive dyes	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successful trial in lab. &amp; pilot scale (ready for market launch against imported)</b>
12.	Development of Pigment Red 146 for plastic & printing	Sandal Industries Faisalabad dyestuff Ltd,	Dr Shaukat Ali	<b>Successful trial in lab. &amp; pilot scale</b>

## **CO-CUURRICAL ACTIVITIES**

- **Reviewers & Evaluators in Projects defense of the Technology Development Funds by HEC, Pakistan from 1<sup>st</sup> programme in 2017 to 3<sup>rd</sup> Programme 2019 .**
- Reviewers of Journals Textile Research Journal, Journal of Industrial Textiles, African journal of pure & applied chemistry.
- IUPAC Member.
- Member of Society of Dyers and Colourists (SDC).
- Event Coordinator of Society of Dyers and Colourists (SDC), Lahore region Pakistan.
- Member, The Chemical Society of Pakistan.
- Secretary General, Chemical Society, UAF 1999.
- Vice President, Chemical Society, UAF 2001.
- President, Chemical Society, UAF 2002.
- Tutor, UAF, 2002-2009.
- Vice Chairperson, 2010. SDC, Pakistan chapter of SDC, UK.

## **OTHER RESEARCH PAPERS**

1. Saima Umbreen, **Shaukat Ali**, Tanveer Hussain and Rakhshanda Nawaz (2008). Dyeing Properties of Natural Dyes Extracted from Turmeric and their Comparison with Reactive Dyeing. Research Journal of Textile and Apparel, 12(4): 1-11.
2. **Shaukat Ali**, Sameera Saleema and Saima Umbreena. (2009) Cationizing efficiency and performance of antimicrobial agent on cotton fabric with vinyl sulfone based reactive blue dye. Indian Journal of Fibre and Textile Research, 34:274-278.
3. Samreen Rasul, Muhammad Anjum Zia and **Shaukat Ali**. (2011). Aldose-1-Epimerase: Isolation and Purification from Bovine Liver. World Applied Sciences Journal, 13(7):1620-1623.
4. Akram, M., **S. Ali**, S. A. Shahid, I. Ullah, M. Nadeem and A. Shafeeq. (2012). A study on the after-treatment of metallised acid dye on nylon 6,6 by using reactive fixing agent. J of quality and technology management, VIII (I):29-40.
5. Ullah, I., **S. Ali**, M. A. Hanif and S. A. Shahid. (2012). Nanoscience for environmental remediation: A Review. International Journal of Chemical and Biochemical Sciences, 2:60-77.
6. SHUMAILA KIRAN, SOFIA NOSHEEN, **SHAUKAT ALI**, MUHAMMAD ASGHER, SHAGUFTA KAMAL AND AQDAS NOREEN. BIODECOLORIZATION OF

REMAZOL BLACK 5 DYE BY NEWLY ISOLATED FUNGAL STRAIN. IJBPAS, November, 2012, 1(10):1457- 1468.

7. Inam Ullah, **Shaukat Ali**, Muhammad Asif Hanif and Muhammad Anjum Zia. (2015). Synthesis and Photocatalytic Efficiency of Sunlight Driven Novel Ternary Metal Oxide Nanophotocatalyst. Asian J. Chem., 27(04):1189-1193.
8. Sadia Noor, **S. Ali** and Tanveer Hussain. (2015). Optimization of Dye Extractions from (Camellia Sinensis) Green Tea Leaves Using Response Surface Methodology. Asian J. Chem., 27(11):4111-4114.
9. Sumia Akram, Bushra Sultana, Rafiq Asi, **Shaukat Ali** and Muhammad Shahid. (2015). Optimization and Validation of HPLC Based Analytical Method for Simultaneous Determination of Thiamethoxm Residues. Asian J. Chem., 27(11):4054-405.
10. Tanzila Shar, M. A. Zia, M. A. Sheikh and **S. Ali**. (2015). Hyper-production of Glucose Oxidase (GOX) from Asperigillus Niger by using chemical mutagenesis. J. Pure and Applied Microbiology, 9(2):963-972.

### **ABSTRACTS IN THE SCIENTIFIC PROCEEDINGS**

- 1- S.A.S. Chatha, A.I.Hussain. S.Ali, M.J.Saif, A.I.Mallihi, M.Sagir, S.Ullah. Role of Chitosan to Improve the Substantivity of Reactive Dyes. 16-17 April 2018, International Conference on: New Frontiers in Experimental and Theoretical Physics, Department of Physics, University of Agriculture, Faisalabad, Pakistan
- 2- Shabana Kausar, Shaukat Ali, Farhat Jabeen, Muhammad Atif, Sadia Noureen, Muhammad Irfan Hussain. UV Protection ability of Cotton Fabric dyed with Various Binary Mixtures of Lawsonia inermis (Henna), Curcuma longa (Turmeric) Extracts. 16-17 April 2018, International Conference on: New Frontiers in Experimental and Theoretical Physics, Department of Physics, University of Agriculture, Faisalabad, Pakistan.
- 3- Sadia Noureen and Shaukat Ali. Application of Natural Dye Extracted From Kashmiri Tea with Various Mordants. 22-24<sup>th</sup> February 2016, International Conference of

Biochemistry, Biotechnology at Department of Biochemistry, University Of Agriculture, Faisalabad .

- 4- Rafaquat Javed, Shaukat Ali, Muhammad Tahir Hussain, Muhammad Atif And Sadia Noureen. Comparative Efficiency of Triethanol Ammonium Sulfamate and Toluene diisocyanate to Improve the Cross- Linking of Melamine Formaldehyde Resin for Pigment Printing on Cotton Fabric. 1<sup>st</sup> National Conference on Technical Textiles at National Textile University, Faisalabad Pakistan.
- 5- Munazza Maqbool, Shaukat Ali, Muhammad Tahir Hussain, Muhammad Atif, Sadia Noureen, Shahid Adeel. Functionalization of Cotton Fabric Imparting Mosquito Repellency, UV Protection and Antimicrobial Potential Using Seven Selected Plants. 1<sup>st</sup> National Conference on Technical Textiles at National Textile University, Faisalabad Pakistan.  
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- 6- Rabia Sattar, Shaukat Ali and Tanveer Hussain. Evaluation of Shelf-Life of Natural Colorant Extracted from Eucalyptus Bark and Pomegranate Peel. 22-24th February 2016 Biochemistry ,Biotechnology and Departments of Biochemistry, University of Agriculture, Faisalabad.
- 7- Sadia Noureen, Shaukat Ali and M. Atif. Anti-Microbial Dyeing of Cotton Fabric Using Kashmiri Tea Leaves Extract.22- 25th August 2016 27th National & 15th International Chemistry Conference at Department of Chemistry, University of Malakand.
- 8- M. Atif and Shaukat Ali. Synthesis of Aminoplast Adsorbants for the Treatment of Textile Effluent. 22-25th August,2016 27th National & 15th International Chemistry Conference at Department of Chemistry, University of Malakand.

- 9- Shaukat Ali, Saima Umbreen, Muhammad Asif and Tanveer Hussain. (2008). Dyeing properties of alkaline extracts of Eucalyptus's bark and their comparison with reactive dyeings. 27th Meeting of Dyes in History and Archaeology Istanbul, 8-11 October 2008.
- 10- Shaukat Ali, Saima Umbreen, Muhammad Asif and Tanveer Hussain. (2008). Optimization of Alkaline Extraction of Natural Dye from Acacia's bark and its Dyeing on Cotton by Exhaust Method 27th Meeting of Dyes in History and Archaeology Istanbul, 8-11 October 2008.
- 11- Afzal M.S., R. Ahmad and Shaukat A. (2002). Pilot scale production of strontium sulfide from indigenous celestite ore. 33rd All Pakistan Science Conference. Univ. of Agri., Faisalabad, Pakistan. 25th to 28th December 2002.
- 12- N. Tahir, R. Ahmad and Shaukat A. (2002). Proximate analysis of barite ore of different areas in Pakistan. 33rd All Pakistan Science Conference. Univ. of Agri., Faisalabad, Pakistan. 25th to 28th December 2002.

**PARTICIPATION IN WORKSHOPS/CONFERENCES/TRAINING/SEMINARS ETC.**

- 1- Member of Scientific Committee in "International Symposium on Technologies and Materials for Renewable Energy, Environment and Sustainability" held on 6-7 February, 2019 at Department of Chemistry, University of Agriculture, Faisalabad, Pakistan.
- 2- Member of Organizing Committee in "International Symposium on Technologies and Materials for Renewable Energy, Environment and Sustainability" held on 6-7 February, 2019 at Department of Chemistry, University of Agriculture, Faisalabad, Pakistan.
- 3- Member of Food Committee in "International Symposium on Technologies and Materials for Renewable Energy, Environment and Sustainability" held on 6-7 February, 2019 at Department of Chemistry, University of Agriculture, Faisalabad, Pakistan.

- 4- Member of organizing committee in “2<sup>nd</sup> International Conference of Biochemistry, Biotechnology, Biomaterials.” held on December, 09-11, 2018 at Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan.
- 5- Member of organizing committee, “Workshop on Spectroscopic Techniques for Characterization of Compounds” held on 15-16, August, 2017 at Department of Chemistry and Central Hi-Tech Lab., University of Agriculture, Faisalabad, Pakistan.
- 6- Member Evaluation Committee, ‘DICE, 2016, Agriculture & Food Sciences” held on 02-03, November, 2016 at University of Agriculture, Faisalabad, Pakistan.
- 7- Member of organizing committee in “International Conference of Biochemistry, Biotechnology, Biomaterials.” held on February, 22-24, 2016 at Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan.
- 8- Member of organizing committee in “International Conference of Biochemical and Chemical Sciences” held on February, 24-26, 2014 at Department of Chemistry & Biochemistry, University of Agriculture, Faisalabad, Pakistan.
- 9- Member of organizing committee in “10<sup>th</sup> International and 22<sup>nd</sup> National Chemistry Conference” held on November, 21-23, 2011 at Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan