



## Curriculum Vitae



### Personal information

First Name **Shaiq**  
Last Name **Sultan**

### Research/job Experience Researcher/Teaching Experience

Date Jan 2016- August 2017  
Work Title Product Manager (Life sciences Group)  
Organization/Institution **Chemical House Lahore (Bio-Rad Laboratories, Analytics Jena, Berthold)**

Date May 2012- Sep 2015.  
Work Title Lecturer  
Organization/Institution **Aitchison College, Lahore (Cambridge Associate), Pakistan**

Date July 2010- August 2012.  
Organization/Institution Researcher  
Work title **Punjab institute of nuclear medicine, PINUM Faisalabad, Pakistan**

### Research Projects

#### Long projects

- (1) Isolation of coal residing bacteria (iron and sulfur oxidizing bacteria) from coal sample. (Thesis was compiled) 1Year Project 2010
- (2) Expression analysis of *WRKY 11* and *WRKY 17* IN Arabidopsis. (Thesis was compiled) 1 year Project 2014

#### Short projects

- (1) Genome-wide analysis of stress responsive *WRKY* transcription factors in Arabidopsis thaliana. (3 months Project and research paper is written) Jan- march 2015
- (2) Computational analysis of HD-Zip transcription factors from Arabidopsis thaliana. (3 months Project and research paper is written) April- June 2015
- (3) Comparative computational analysis of SBP transcription factors in Arabidopsis and diploid cotton (*Gossypium raimondii*) (3 months Project and research paper is written) August- October 2015
- (4) Isolation and characterization of Enterobacteriace family in urinary tract infection. (6 months Project and research paper is written) Jan- August 2011
- (5) Isolation and characterization of yeast and their DNA and RNA isolation and their comparison. (3 months project and report was compiled) Jan- March 2009.
- (6) Biodegradation of textile dyes synozol red HF6BN by locally isolated bacteria (6 months project and report was compiled) June- August 2009

## Education and training

Dates 01/10/2017- Continued

Title of qualification awarded **PhD or Doctor of Philosophy (3 years) in Life sciences and Biotechnology**  
Principal subjects / Occupational skills covered Biomedical sciences and biotechnology  
Name and type of organisation providing education and training Universita Delgi Studi di Ferrara ( Public)  
Ferrara (Italy)

Dates 15/08/2012 - 10/09/2014

Title of qualification awarded **Master or M.S(2 Years) in Biotechnology (18 years Education)**  
Principal subjects / occupational skills covered Introduction to Biotechnology, Biochemistry, Metabolism, Recombinant DNA Technology, Techniques in Biotechnology, Plant Biotechnology, Bio processing Technology.  
Name and type of organisation providing education and training Government College University Faisalabad (Public)  
Faisalabad, (Pakistan)  
M.Phil C.G.P.A 3.64 out of 4.00  
Percentage 77%

Dates 01/06/2006 - 01/07/2010

Title of qualification awarded **Graduation or Bsc (Hons) (4 years) in Microbiology and molecular genetics (16 years Education)**  
Principal subjects / occupational skills covered Introduction to Microbiology, Biochemistry, Biotechnology, Recombinant DNA Technology, Molecular Biology, Cell Biology, Principal of Genetics, Physiology, Bioinformatics, Microbial Genetics  
Name and type of organisation providing education and training Punjab University Lahore (Public)  
Lahore, Pakistan  
BS C.G.P.A 2.98 out of 4.00  
Percentage 74.01%

Dates 2003-2005

Title of qualification awarded **Intermediate (F.sc. Pre-medical) (12 Years of education)**  
Principal subjects / occupational skills covered Physics, Chemistry, Biology.  
Name and type of organisation providing education and training Government postgraduate college of science  
Faisalabad, Pakistan  
Grade B  
Percentage 62.36%

Dates 2003

Title of qualification awarded **Matric (Science) (10 Years of education)**  
Name and type of organisation providing education and training Government comprehensive model high school.  
Faisalabad, Pakistan  
Grade A+  
Percentage 82.47%

## Personal skills and competences

Mother tongue **Urdu**

Other language **English, Punjabi, Chinese**

**Language**  
Self-assessment

European level (*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
C1	Proficient user	C2 Proficient user	B2 Independent user	B2 Independent user	B2 Independent user
A2	Basic User	A2 Basic User	A2 Basic User	A2 Basic User	A1 Basic User

(\*) [Common European Framework of Reference \(CEF\) level](#)

**IELTS** Listening 7.0, Reading 6.5, Writing 6.5, Speaking 6.5, Overall band score 6.5

Dated April 2016- July 2016  
Title of qualification Awarded **Chinese Language Course**  
Name of the Organization **Punjab Government and China Joint venture**

**Teaching skills**

Worked as a Visiting Lecturer of English in **Chenab college of Advance studies** Faisalabad.  
(From Jan. 2011 to Dec. 2011)

Worked on voluntarily basis as lecturer of Botany in **Govt. postgraduate college Samanabad** Faisalabad.  
(From 01/03/2011 to 01/02/2012).

Worked on voluntarily basis as lecturer of Biotechnology in **Govt. college University** Faisalabad.  
(From 15/02/2014 to 30/07/2014)

**Entrepreneurship skills**

Leading, Responsible and possess co-ordination skills they were acquired at university where I was President of the Literally Society. **Member of Pakistan Entrepreneurship group.**

Date September 2012- Continue.  
Work Title Youth and Educational consultant  
Organization/Institution **SHADOW Organization Pakistan.**

Date June 2014- August 2014  
Work Title Entrepreneur  
Organization/Institution **The DO school start-up lab**

**Organisational skills**

Professionally committed, Good communication skills, Ability to meet deadlines, Enjoy working in a group.

**Technical & Bioinformatics skills**

PCR, Blotting Techniques, Motif analysis, Conserved domain analysis, Chromatography (Including FPLC, HPLC e.t.c.), Phylogenetic analysis, ORF and Restriction enzyme analysis, Primer designing, BLAST, Expression analysis, Eliza etc

Date Oct 2016- Nov 2016  
Work Title New Generation Chromatography  
Organization/Institution **Bio Rad Laboratories, Dubai Science Park , Dubai**

Date Oct 2016-Nov 2016  
Work Title Gel Documentation Systems  
Organization/Institution **Bio Rad Laboratories, Dubai Science Park , Dubai**

Date Oct 2016-Nov 2016  
Work Title Thermal cyclers, Real Time PCR and DDPCR  
Organization/Institution **Bio Rad Laboratories, Dubai Science Park , Dubai**

**Computer skills** Word, Excel, PowerPoint, Internet and Email, Research article writing etc

**Membership** Member of American society of **Microbiology.**

## Additional information

### Research and Publication

1. **Shaiq sultan** and Muhammad Faisal "Isolation and Characterization of iron and sulfur oxidizing bacteria from coal mines" Journal of Environment and Earth Science, Vol.6, No.3, 2016.IC Impact factor. (5.56)
2. **Shaiq sultan**, Ertuğrul Filiz and Muhammad Amjad Ali "Genome-wide analysis of stress responsive WRKY transcription factors in Arabidopsis thaliana" Turkish journal of Agriculture-food sciences and technology, Vol. 4, No. 4, 279-290, 2016. Impact Factor. (0.924)
3. Ayesha siddiqa, **Shaiq sultan** and Muhammad Faisal "Selenite detoxification by Bacillus spp isolated from indigenous polluted sites" Journal of Environment and Earth Science, Vol.4, No.22 2014.IC Impact factor. (5.56)
4. **Shaiq sultan**, Mohsin Ali and Muhammad Amjad Ali "Genome wide analysis of Heat Shock Factors (HSF) gene family of Arabidopsis thaliana" Journal of Biology, Agriculture and Healthcare, Vol.6, No.1, 2016. IC Impact factor. (5.05)
5. Aamar Shehzad, Muhammad Furqan Ashraf, **Shaiq Sultan** and Mohsin Ali "Heterosis Studies for Some Morphological, Seed Yield and Quality Traits in Rapeseed (Brassica napus L.)" Journal of Biology, Agriculture and Healthcare, Vol.5, No.23, 2015. IC Impact factor. (5.05)
6. Erum Yasmeen, Muhammad Riaz, **Shaiq Sultan** and Muhammad Amjad Ali "Genome wide analysis of Trihelix transcription factor gene family in Arabidopsis thaliana " Pak. J. Agri. Sci., Vol.53(2), 439-448, 2016 Impact factor. (1.20)
7. Hussain Athar, Shahid M, **Shaiq Sultan** and Muhammad Amjad Ali "Genome wide analysis of Ethylene responsive factor in Maize: An in silico approach" Applied ecology and environmental Research, Vol.14 (5), 177-200, 2016 Impact factor. (0.34)

### Abstract Publications

1. **Shaiq sultan**, R.M. Atif, F. Azeem, Habibullah nadeem, M. Husnain siddique and M. amjad Ali. 2014. Genome wide analysis of stress responsive WRKY transcription factors in Arabidopsis thaliana. International Conf. on agricultural food security and climate change . Biotech. September, 09-11, Rawlakot, Pakistan. pp. 20.
2. **Shaiq sultan**, F. Azeem, Habibullah and M. amjad Ali. 2014. Expression analysis of WRKY genes in Arabidopsis thaliana in response to various abiotic stresses. International Conf. on applied chemical biology and aquatic sciences . Biotech. February, 18-20, Faisalabad, Pakistan. pp. 112.
3. Javaid, M.S., B. Naz, M.A. Ali, S. Muntaha, B. Saleem, A. Arshad, **S. Sultan**, F. Azeem, Mahmood-ur-Rahman, U.A. Ashfaq. Computational analysis of HD-Zip transcription factors from Arabidopsis thaliana. 3rd National Computational Science Conference, Institute of Space Technology, Islamabad on May 13-15, 2015. Abstract Book Pp. 59.
4. Hussain, A., M.A.Ali, F. Azeem, H. Nadeem, M.H. Siddique, Mahmood-ur-Rahman, **S. Sultan**, A. Abbas. In silico analysis of ethylene response factors (ERFs) in maize (Zea mays L.). 3rd National Computational Science Conference, Institute of Space Technology, Islamabad on May 13-15, 2015. Abstract Book Pp. 162.
5. Alia, K.B., M.A. Ali, A. Hussain, A. Shahid, F. Azeem, R. M. Atif, **S. Sultan**, A. Abbas, H. Nadeem, M. H. Siddique. Comparative computational analysis of SBP transcription factors in Arabidopsis and diploid cotton (Gossypium raimondii). 3rd National Computational Science Conference, Institute of Space Technology, Islamabad on May 13-15, 2015. Abstract Book Pp. 178.

**Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali. Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara**