

*KHADIJA*

PhD research fellow

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**Education**

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| 2014-2019 | Ph.D (continue) Environmental Sciences |
|  | **Government College University Faisalabad (PAKISTAN)** |
| 2013 | M.Phil Environmental Sciences |
|  | **Government College University Faisalabad (PAKISTAN)** |
| 2011 | B.Sc. (Hons) Environmental Sciences |
|  | **Government College University Faisalabad (PAKISTAN)** |
| 2006 | H. S. S. C. (Physics, Chemistry, Biology) |
|  | **B.I.S.E FAISALABAD (PAKISTAN)** |
| 2004 | S. S. C. (Physics, Chemistry, Biology and Mathematics) |
|  | **B.I.S.E FAISALABAD (PAKISTAN)** |

**Scientific Publications**

1. (**2013**)

Implementation Study of ISO 14001- EMS Standards in Processing Unit of Nimra Textiles. **Greener Journal of Environmental Management and Public Safety,** 2(3): 121-136.

1. (**2014)** Different heavy metal concentrations in plants and soil irrigated with industrial / sewage waste water**. International Journal of Environmental Monitoring and Analysis,** 2(3): 151-157.
2. **(2017).** TextileWastewater Treatment options: A critical review. **Enhancing Cleanup for** **Environmental pollutants**. 183-207.
3. **(2018).** Monitoring and assessment of drinking water qualitynear textile industries and its health effects. (under preparation).
4. **(2018).** A comparison of Biologically and chemicallysynthesized silver catalyst for the effective removal of methylene blue and 4-nitrophenol (under review).
5. **(2019).** A comparison of Biologically and chemicallysynthesized nickel oxide catalyst for the effective removal of methylene blue and 4-nitrophenol. (under preparation).
6. Hussain, S. **(2019).** synthesized Zinc oxide catalyst for nitrophenol. (under preparation).

A comparison of Biologically and chemically the effective removal of methylene blue and 4-

**Conference presentations**

(**2014)** Different heavy metal concentrations in plants and soil irrigated with industrial / sewage waste water. Poster presentation in the 1st International Conference on Global Environmental Changes held in Faisalabad, Pakistan, on January 15-16, 2013.

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Wastewater Treatment options. Oral presentation in 2nd International Conference on Global Environmental Changes held in Faisalabad, Pakistan, on February 25-26, 2014.

**Awards, Trainings and Certificates**

* Certificates of participating and managing “**World Environment Day** of 2009, 2010, 2011, 2012 and 2013 in Government College University, Faisalabad.
* Certificate of Internship in **Soil Chemistry Department** of Ayub Agriculture Research Centre in 2011.
* Certificate of Participation in **Flower Exhibition** 2012 held at GC University, Faisalabad.
* Certificate of participation in “**Eco Internship Program 2013**” organized by WWF in

Government College University, Faisalabad.

* Second best poster award in the **“2nd** **International conference on global** **environmental changes**” held at Government College University Faisalabad from 25thand 26th February 2014.
* Certificate of attending 1st National training course on **“Molecular methods in** **biotechnology”** as a participant held at Government College University Faisalabad from8th to 12th December 2014.
* Certificate of attending 4th National training course on **“Bacterial identification &** **Metagenomics”** as a participant held at National Institute for Biotechnology & GeneticEngineering Faisalabad from 16th to 20th March 2015.
* Poster competition in the **“2nd** **International conference on global environmental** **changes”** held at Government College University Faisalabad from 25thand 26thFebruary2014.
* Certificate of attending International Research Support Initiative Program (IRSIP) at **University of Wisconsin Madison, USA**. from 4th December2018 to 30thMay 2019.
* Present poster at 1st International conference on **“surface science: innovation and** **application on geo environmental change**” held at University of Agriculture Faisalabadfrom 24th and 25th April 2019.
* 4th best poster award in the **“CALS Solutions Seminar: U.S. Relations with Cuba”** held at University of Wisconsin Madison, USA on 9th April 2019.

**Professional & Technical Expertise**

* Soil & wastewater biotic remediation 
* Soil analysis 
* Water analysis 
* Microbial isolation and purification techniques 
* UV-visible spectrophotometric analysis
* Scanning and transmission electron microscopy (SEM, TEM)
* Fourier transform infrared spectroscopy (FTIR)
* Raman spectroscopy, X‐ray photoelectron spectroscopy (XPS)
* X-Ray Diffraction Spectroscopy (XRD)
* Plant, Soil & microbial DNA isolation 
* Expert in planning research experiments 
* Proficient in writing research articles 



* Fluent in speaking English, Urdu and Punjabi