



# Dr. Saif Ullah Muhammad Feroz

Assistant Professor

## Personal Data

Nationality | Pakistani

Date of Birth | January 02, 1976

Department | Environmental Health

Official UoD Email | smferoz@uod.edu.sa

Office Phone No. | 31228

## Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Good	
English	Excellent	Excellent	Excellent
Urdu and Punjabi	Excellent	Excellent	Excellent

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012-2013	Postdoctoral fellowship	Australia	University of Western Australia
2010-2010	Postdoctoral fellowship	USA	University of Florida
2007	Ph.D.	Pakistan	University of Agriculture, Faisalabad
2001	M.Sc. Hons.	Pakistan	University of Agriculture, Faisalabad
1991	B.Sc. Hons.	Pakistan	University of Agriculture, Faisalabad

## PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Chemically Enhanced Phyto-extraction of Lead Contaminated Soils
Master	Effect of potassium fertilization on yield and nutrient uptake of wheat under field conditions
Fellowship	Using wheat straw biochar to minimize Cd uptake in barley grown in Cd contaminated soils
Fellowship	Risk assessment of gypsum drywall in recycling building material on Florida soils



### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Department of Environmental Health	College of Public Health	University of Dammam	Jan. 2016 to-date
Assistant Professor,	Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad			March 2008 to Jan 2016
Lecturer,	Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad			May 2005 to Feb 2008
Scientific Officer	Institute of Soil and Environmental Sciences, University of Agriculture, Faisalabad			May 2001 to March 2004

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Nil		

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	<b>Saifullah</b> , H. Javed, A. Naeem, Z. Rengel and Saad Dahlawi.	Timing of foliar Zn application plays a vital role in minimizing Cd accumulation in wheat.	Environmental Sciences and Pollution Research. 23:16432–16439. <b>2016</b>
2	<b>Saifullah</b> , M.N. Khan, M.Iqbal, A. Naeem, S. Bibi, E.A. Waraich and S. Dahalwi.	Elemental sulfur improves growth and phytoremediative ability of wheat in lead (Pb) contaminated calcareous soils.	International Journal of Phytoremediation. 18:1022-1028. <b>2016</b>
3	Naeem, A., <b>Saifullah</b> , M.Z. Rehman, T. Akhtar, Y.S. OK and Z. Rengel.	Genetic Variation in Cadmium Accumulation and Tolerance among Wheat Cultivars at the Seedling Stage.	Communications in Soil Science and Plant Analysis. 47:554-562. <b>2016</b>
4	Bibi, S., <b>Saifullah</b> , A. Naeem and S. Dahlawi..	Environmental Impacts of Nitrogen in Agriculture, Nitrate Leaching and Mitigation Strategies	In: K.R. Hakeem, J. Akhtar, M. Sabir (eds.), Soil Science: Agricultural and Environmental Prospectives, Springer International Publishing Switzerland. <b>2016</b> .
5	Rehman, M.Z. G. Murtaza, M.F. Qayyum, <b>Saifullah</b> , M. Rizwan, S. Ali, F. Akmal and H. Khalid	Degraded Soils: Origins, Types and Management	In: K.R. Hakeem, J. Akhtar, M. Sabir(eds.), Soil Science: Agricultural and Environmental Prospectives, Springer International Publishing Switzerland. <b>2016</b>
6	Ejaz Ahmad Waraich, Zahoor Ahmad, Rashid Ahmad, <b>Saifullah</b>	Foliar applied phosphorous enhanced growth, chlorophyll contents, gas exchange	Journal of Plant Nutrition. 38:1929-1943. <b>2016</b>



	and M.Y. Ashraf.	attributes and PUE in wheat ( <i>Triticum Aestivum</i> L.).	
7	Ghulam Farid, Nadeem Sarwar, <b>Saifullah</b> , Ayaz Ahmad, Abdul Ghafoor and Mariam Rehman.	Heavy metals (Cd, Ni and Pb) contamination of soils, plants and waters in Madina town of Faisalabad metropolitan and preparation of GIS based maps.	Adv Crop Sci Tech 4: 199. <b>2015</b>
8	Asif Naeem, <b>Saifullah</b> , Abdul Ghafoor and Muhammad Farooq.	Suppression of cadmium accumulation in wheat grains is related its application rate and cadmium accumulating abilities of cultivars.	Journal of the Science of Food and Agriculture. 97:2467-2472. <b>2015</b>
9	<b>Saifullah</b> , M. Shahid, M.Z. Rehman, M. Sabir and H.R. Ahmad.	Phytoremediation of Pb-Contaminated Soils Using Synthetic Chelates.	In: K.R. Hakeem, M. Sabir, M. Ozturk, A. Murmet (Eds.), Soil Remediation and Plants: Prospects and Challenges, Elsevier Inc. Academic Press. <b>2015</b>
10	Ahmad, H.R., T. Aziz, M.Z. Rehman and <b>Saifullah</b> .	Spatial mapping of metal contaminated soils.	In: K.R. Hakeem, M. Sabir, M. Ozturk, A. Murmet (Eds.), Soil Remediation and Plants: Prospects and Challenges, Elsevier Inc. Academic Press. <b>2015</b>
11	Rehman, M.Z., M. Sabir, M. Rizwan, <b>Saifullah</b> , H.R. Ahmad and M. Nadeem.	Remediating cadmium-contaminated soils by growing grain crops using inorganic amendments.	In: K.R. Hakeem, M. Sabir, M. Ozturk, A. Murmet (Eds.), Soil Remediation and Plants: Prospects and Challenges, Elsevier Inc. Academic Press. <b>2015</b>
12	Sabir, M., M.Z. Rehman, K.R. Hakeem and <b>Saifullah</b> .	Phytoremediation of metal contaminated soils using organic amendments.	In: Soil Remediation and Plants: Prospects and Challenges. Elsevier Inc. Academic Press. <b>2015</b>
13	Saifullah, Nadeem Sarwar, Sadia Bibi and Yong Sik Ok. 2014.	Effectiveness of zinc application to minimize cadmium toxicity and accumulation in wheat ( <i>Triticum aestivum</i> L.).	Environmental Earth Sciences. 71: 1663-1672. <b>2014</b>
14	Choppala, G.K. <b>Saifullah</b> , N.S. Bolan, S. Bibi, M. Iqbal, Z. Rengel and Yong Sik Ok.	Cellular Mechanisms in Higher Plants Governing Tolerance to Cadmium Toxicity	Critical Reviews in Plant Sciences. 33:374-391. <b>2014</b>
15	Mohsin, A.U., A.U.H. Ahmad, M. Farooq and <b>Saifullah</b> .	Influence of zinc application through seed treatment and foliar spray on growth, productivity and grain quality of hybrid maize.	Journal of Animal and Plant Sciences. 24:1494-1503. <b>2014</b>
16	Ejaz Ahmad Waraich, Zeeshan Ahmed, Rashid Ahmad, Muhammad Yasin Ashraf, <b>Saifullah</b> , Muhammad Shahbaz Naeem and Zed Rengel.	Camelina sativa, a climate proof crop, has high nutritive value and multiple-uses: a review.	Australian Journal of Crop Sciences.7:1551-1559. <b>2013</b>
17	Saifullah, Sadia Bibi and Ejaz Ahmed Waraich.	Effect of Pb forms and organic acids on Phytoremediative	Communications in Soil Science and Plant Analysis. 44:3150-3160.



		ability of wheat grown in solution culture.	<b>2013</b>
18	M. S. Akhtar, M. Nishigaki, Y. Oki, T. Adachi, Y. Nakashima, G. Murtaza, T. Aziz, M. Sabir, <b>Saifullah</b> , M. A. Maqsood, M. Z. Rehman, A. Wakeel, Y. Nakamoto and C. Hartwig.	Solubilization and acquisition of phosphorus from sparingly soluble phosphorus sources and differential growth response of brassica cultivars exposed to phosphorus-stress environment.	Communications in Soil Science and Plant Analysis. 44:1242–1258. <b>2013</b>
19	M. Sabir, M. M. Hanafi, T. Aziz, H. R. Ahmad, M. Z. Rehman, <b>Saifullah</b> , G. Murtaza and K. R. Hakeem.	Comparative effect of activated carbon, pressmud and poultry manure on immobilization and concentration of metals in maize (zea mays) grown on contaminated soil	International Journal of Agriculture and Biology. 15: 559-564. <b>2013</b>
20	Ghafoor, A., G. Murtaza, <b>Saifullah</b> , M. Z. Rehman, H.R. Ahmad and M. Sabir.	Fundamentals of Soil Chemistry.	Allied Book Center, Lahore Pakistan. <b>(2013)</b>
21	Rahmatullah, G. Murtaza, A. Ghafoor and <b>Saifullah</b> .	Improving the performance of wheat ( <i>Triticum aestivum</i> L.) by seed priming in salt-affected soils irrigated with saline-sodic water.	Journal of Animal and Plant Sciences. 22-1055-1059. <b>2012</b>
22	Zahir A.Z., S.S. Akhtar, M. Ahmad, <b>Saifullah</b> and S. M. Nadeem.	Comparative effectiveness of <i>Enterobacter aerogenes</i> and <i>Pseudomonas fluorescens</i> for mitigating the depressing effect of brackish water on maize.	International Journal of Agriculture and Biology. 14: 337-344. <b>2012</b>
23	A. Ghafoor, G. Murtaza, M. Z. Rehman, <b>Saifullah</b> and M. Sabir.	Reclamation and salt leaching efficiency for tile drained saline-sodic soil using marginal quality water for irrigating rice and wheat crops.	Land Degradation and Development. 23: 1–9. <b>2012</b>
24	Ghafoor, A., G. Murtaza, M.Z. Rehman, M. Sabir, H.R. Ahmad and <b>Saifullah</b> .	Environment Pollution: Types, Sources and Management.	Allied Book Center, Lahore-Pakistan. <b>(2012)</b>
25	Waqar Ahmad, Munir H. Zia, Sukhdev S. Malhi, Abid Niaz and <b>Saifullah</b> .	Boron Deficiency in Soils and Crops: A Review,	Crop Plant, Aakash Goyal (Ed.), ISBN: 978-953-51-0527-5. <b>(2012)</b>
26	Qamar, M.J. A. Ghafoor, G. Murtaza, <b>Saifullah</b> and M.Z. Rehman.	Use of low quality groundwater for reclamation of saline-sodic soil by growing rice and wheat crops.	Pakistan Journal of Botany: 43: 2711-2715. <b>2011</b>
27	Waraich, E.A., A. Rasheed, <b>Saifullah</b> , M.Y. Ashraf and Ehsanullah.	Role of mineral nutrition in alleviation of drought stress.	<b>Australian Journal of Crop Science.</b> 5: 764-777. <b>2011</b>
28	Waraich, E.A., R. Ahmad, M.Y. Ashraf, <b>Saifullah</b> and M. Ahmad.	Improving agricultural water use efficiency by nutrient management in crop plants.	<b>Acta Agriculturae Scandinavica Section B_Soil and Plant Science.</b> 61-291-304. <b>2011</b>
29	Sabir, M., A. Ghafoor, <b>Saifullah</b> , M.Z.U. Rehman, H.R. Ahmad and	Growth and metal ionic composition of <i>Zea mays</i> as	International Journal of Agriculture and Biology 13: 186–190.



	T. Aziz. 2011.	affected by nickel supplementation in the nutrient solution.	<b>2011</b>
30	Ahmad, H.R., A. Ghafoor, D.L. Corwin, M.A. Aziz, <b>Saifullah</b> and M. Sabir.	Organic and Inorganic Amendments Affect Soil Concentration and Accumulation of Cadmium and Lead in Wheat in Calcareous Alkaline Soils.	Communications in Soil Science and Plant Analysis. 42: 111-122. <b>2011</b>
31	Waraich, E.A., A. Rasheed, <b>Saifullah</b> and S. Ahmad.	Water stress and nitrogen management effects on gas exchange, water relations and water use efficiency in wheat.	Journal of Plant Nutrition. 34: 1867-1882. <b>2011</b>
32	Aziz, M.A., A. Ghafoor, H. R. Ahmad, M.Z. Rehman, M. Sabir and <b>Saifullah</b> .	Wheat Assimilation of Nickel and Zinc added in Irrigation Water as affected by Organic Matter.	Journal of Plant Nutrition 34:27-33. <b>2011</b>
33	G. Murtaza, A. Ghafoor, M. Qadir, M.A. Aziz, M.H. Zia and <b>Saifullah</b> .	Disposal and use of sewage on agricultural lands in Pakistan: A review.	Pedosphere 20: 23-34. <b>2010</b>
34	N. Sarwar, <b>Saifullah</b> , S.S. Malhi, M. H. Zia, A. Naeem, S. Bibi and Ghulam Farid.	Role of Mineral Nutrition in Minimizing Cadmium Accumulation by Plants.	Journal of the Science of Food and Agriculture 90: 925-937. <b>2010</b>
35	<b>Saifullah</b> , Abdul Ghafoor, Munir Hussain Zia Ghulam Murtaza, Ejaz Ahmad Waraich, Sadia Bibi and P. Srivastava.	Comparison of organic and inorganic amendments for enhancing soil lead phytoextraction by wheat ( <i>Triticum aestivum</i> L.).	International Journal of Phytoremediation. 12: 633-649. <b>2010</b>
36	<b>Saifullah</b> , M. H. Zia, E. Meers, A. Ghafoor, G. Murtaza, M. Sabir M. Z. Rehman and F.M.G. Tack.	Chemically enhanced phytoextraction of Pb by wheat in texturally different soils.	Chemosphere. 79:652-658. <b>2010</b>
37	Waraich, E.A., A. Rasheed, <b>Saifullah</b> and S. Ahmad.	Impact of water and nutrient management on the nutritional quality of wheat ( <i>triticum aestivum</i> L.).	Journal of Plant Nutrition. 33: 640-653. <b>2010</b>
38	<b>Saifullah</b> , Abdul Ghafoor, Ghulam Murtaza, Ejaz Ahmad Waraich and Munir Hussain Zia.	Effect of ethylenediaminetetracetic acid on growth and phytoremediative ability of two wheat varieties.	Communications in Soil Science and Plant Analysis. 41: 1478-1492. <b>2010</b>
38	<b>Saifullah</b> , E. Meers, M. Qadir, P. de Caritat, F.M.G. Tack, G. Du Laing and M.H. Zia.	EDTA-assisted Pb phytoextraction.	Chemosphere. 74:1279-1291. <b>2009</b>
40	<b>Saifullah</b> , A. Ghafoor and M. Qadir.	Lead phytoextraction by wheat in response to EDTA application method.	International Journal of Phytoremediation 11:268-282. <b>2009</b>
41	Waraich, E. A., R. Ahmad, S. Ahmad, <b>Saifullah</b> .	Water use efficiency and yield performance of wheat ( <i>Triticum aestivum</i> L.) under different levels of irrigation and nitrogen.	Caderno de Pesquisa, série Biologia. 20:22-34. <b>2008</b>
42	Sabir, M., A. Ghafoor, <b>Saifullah</b> ,	Effect of organic amendments	Pakistan Journal of Agricultural



	M. Z. Rehman and G. Murtaza.	and incubation time on extractability of Ni and other metals from contaminated soils.	Sciences. 45:18-24. <b>2008</b>
43	Rehman, M. Z., A. Ghafoor, M. Sabir, <b>Saifullah</b> , A. Naeem and H.R. Ahmad.	Extractants for the assessments of phytoavailable cadmium to rice grown in cadmium contaminated soils.	Pakistan Journal of Agricultural Sciences. 45:11-17. <b>2008</b>
44	<b>Saifullah</b> , A. Ghfoor, M. Sabir, M. Z. Rehman and M. Yaseen.	Removal of lead from contaminated soils by organic acids.	International Journal of Agriculture and Biology 10:173-178. <b>2008</b>
45	Waraich, E.A, M. Rasheed, A. Ali, Saifullah.	Irrigation and nitrogen effects on grain development and yield in wheat ( <i>Triticum aestivum</i> L.).	Pakistan Journal of Botany. 39:1663-1672. <b>(2007)</b>
46	Zia, M.H., <b>Saifullah</b> , M. Sabir, A. Ghafoor and G. Murtaza.	Effectiveness of sulphuric acid and gypsum for the reclamation of a calcareous saline-sodic soil under four crop rotations.	Journal of Agronomy and Crop Science 193:262-269. <b>(2007)</b>
47	Waraich, E.A., R. Ahmed, <b>Saifullah</b> and M. Sabir.	Nitrogen nutrition and water stress effects on growth and water use efficiency of wheat ( <i>Triticum aestivum</i> L.).	Pakistan Journal of Agricultural Sciences. 44:64-73. <b>(2007)</b>
48	Aziz, M.A., A. Ghafoor, <b>Saifullah</b> , H.R. Ahmad and M. Sabir.	Effect of glucose and acetic acid on Ni, Pb and Zn transformation in contaminated soils.	Pakistan Journal Agricultural Sciences. 44:228-235. <b>(2007)</b>
49	Waraich, E.A., R. Ahmed, M. Ashraf and <b>Saifullah</b> .	Irrigation and nitrogen effects on grain yield, yield components and water use efficiency of wheat.	Pakistan Journal of Scientific Research. 59:91-97. <b>(2007)</b>
50	Qadir, M., S. Schubert, A.D. Noble, M. Saqib, and <b>Saifullah</b> .	Amelioration strategies for salinity-induced land degradation.	CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources 1 (069): 1-12. <b>(2006)</b>
51	Zia, M.H., A. Ghafoor, <b>Saifullah</b> and Th.M. Boers.	Comparison of sulfurous acid generator and alternate amendments to improve the quality of saline-sodic water for sustainable rice yields.	Paddy and Water Environment 4:153-162. <b>(2006)</b>
52	Zia, M.H., A. Ghafoor, G. Murtaza, <b>Saifullah</b> and S.M.A. Basra.	Growth response of rice and wheat crops during reclamation of saline-sodic soils.	Pakistan Journal of Botany 38: 249-266. <b>(2006)</b>
53	Murtaza, G., A. Ghafoor, M. Qadir, and <b>Saifullah</b> .	Brackish water management options for rice and wheat crops during reclamation of saline-sodic soils.	Pakistan Journal of Soil Science 21:77-82. <b>(2002)</b>
54	Saifullah, A. Ghafoor, G. Murtaza, and M. Qadir.	Brackish tube well water promotes growth of rice and wheat and reclamation of saline-sodic soils.	Pakistan Journal of Soil Science 21:83-88. <b>(2002)</b>
55	Nadeem, S.M., A. Ghafoor, G. Murtaza and <b>Saifullah</b> .	Reclamation of dense-saline-sodic soils through physical and chemical methods.	Pakistan Journal of Soil Science 21:67-71. <b>(2002)</b>



56	<b>Saifullah</b> , A.M. Ranjha, M. Yaseen and M.E. Akhtar.	Response of wheat to potassium fertilization under field conditions.	Pakistan Journal of Agricultural Sciences 39: 269-272. <b>(2002)</b>
57	Rashid, H.H., A.M. Ranjha, S.M. Mehdi and <b>Saifullah</b> .	Relative efficiency of muriate and sulphate of potash for wheat.	International Journal Agriculture and Biology 3:403:405. <b>(2001)</b>
58	Ranjha, A.M., S.M. Mehdi, <b>Saifullah</b> and T. Mahmood.	Quantity intensity relations of K in three Alluvial soils.	International Journal of Agriculture and Biology. 3:89-91. <b>(2000)</b>
59	Ghafoor, A., <b>Saifullah</b> and G. Murtaza.	Estimation of ionic strength from electrical conductivity of Punjab ground waters.	Pakistan Journal of Agricultural Sciences 37:113-115. <b>(2000)</b>

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	Nil			

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	M. Imran, S. Bibi, Saifullah, M.A. Shah, Z. Aslam, M. Rehman.	Distribution of Nitrate in soil profile and yield of maize (Zea mays L.) crop in response to irrigation.	AgMIP-Pakistan kickoff Workshop and International Seminar on climate change. University of Agriculture, Faisalabad, June 4-6, 2013
	Saifullah, A. Ghafoor, M. Sabir, M.Z. Rehman and G. Murtaza.	Chemically enhanced phyto-extraction of Pb by wheat in texturally different soils.	Achieving Millenium Development Goals Through Wise Soil Management". 12th Cong. Soil Sci. Oct-20-23, 2008, NWFP Agri. Univ., Peshawar, Pakistan.

#### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Dr. Saif Ullah Funded by Higher Education Commission of Pakistan.	Contaminants in city Effluents, Soils, Waters, Plants and Air and mapping pollution hit areas of Faisalabad Metropolitan using GIS.	June-2012
2	Dr. Saif Ullah Funded by Endowment Fund Secretariat University of Agriculture, Faisalabad	Enhancing crop productivity on salt-affected soils through combined use of soil applied gypsum and pre-sowing seed treatments.	May-2012

#### Current Researches

#	Research Title	Name of Investigator(s)
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Evaluation and management of sludge and compost from different sources for sustainable agriculture.	Dr. Ghulam Murtaz, Dr. Saif Ullah
Safe Food production from soils contaminated with cadmium	Dr. Saif Ullah & Dr. Muhammad Zia-ur-Rehman

### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	AgMIP-Pakistan kickoff Workshop and International Seminar on climate change.	University of Agriculture, Faisalabad, June 4-6, 2013.	Oral Presentation
2	Pakistan Agriculture; challenges and opportunities.	Rawala Kot, Azad Jammu Kashmir, 29-31 July, 2010.	Oral Presentation
3	Efficient resource management for sustainable agriculture	March 24-27, 2010, Faisalabad-Pakistan.	Oral Presentation
4	Achieving millennium development goals through wise soil management	Oct-20-23, 2008, NWFP Agri. University, Peshawar, Pakistan.	Oral Presentation
5	Recent Techniques for Abating Soil and Water Salinity	April, 23-24, 2008. AARI, Faisalabad, Pakistan.	Oral Presentation

### Membership of Scientific and Professional Societies and Organizations

- Soil Science Society of Pakistan
- Society for the advancement of Science, Pakistan
- Agrarian Society, University of Agriculture Faisalabad-Pakistan
- Students Society of Soil and Environmental Sciences, University of Agriculture, Faisalabad

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Environmental Chemistry-1	ENVH-221	16
	Water Resources and Treatment	ENVH-214	16
	Waste Water Sciences	ENVH-215	16
	Water Management	ENVH-213	16
	Industrial Waste	ENVH-316	16





**Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)**

1	Environmental Chemistry-1, ENVH-221, This course explore the different chemical compounds and groups in the environment and focuses on fundamental chemical concepts and measureable properties of individual compounds to interpret and relate measurements in the environment. It also describes some of chemical life cycles in the environment.
2	Water Resources and Treatment, ENVH-214. It is about the study of water cycle, different water resources and their renewability. It focus on water pollution sources, and their impacts upon natural water resources. Also it provides the principles of different water methods and techniques: Conventional and advanced water treatment like desalination. It focus on drinking water quality and quantity measurement theoretically and practically in lab using advanced techniques.
3	Waste Water Sciences, ENVH-215. Focus on chemical, biological and physical characteristics/parameters in different types of waste waters. The course is about the study of the distribution and fate of physical, chemical and biological pollutant/agents in wastewater. It includes survey the different health problems associated with wastewater use and techniques and strategies for minimizing of such problems.

**Postgraduate**

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	NA	NA	NA

**Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)**

1	NA
2	

**Course Coordination**

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
	NA						

**Guest/Invited Lectures for Undergraduate Students**

#	Activity/Course Title and Code	Subject	College and University or Program	Date
	Nil			

**Student Academic Supervision and Mentoring**

#	Level	Number of Students	From	to
	PhD	1	2010	2015
	M.Sc.	25	2005	2016



### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	M.Sc. (Hons.) Soil Science	Screening of different rice ( <i>Oryza sativa</i> L.) cultivars against cadmium accumulation in hydroponics	University of Agriculture, Faisalabad	2016
2	M.Sc. (Hons.) Soil Science	Concentration of heavy metals in rice from conventional and non-conventional rice growing areas of Punjab province and human health risk assessment	University of Agriculture, Faisalabad	2016
3	M.Sc. (Hons.) Soil Science	Screening of different rice ( <i>Oryza sativa</i> L.) cultivars against nickel accumulation in hydroponics	University of Agriculture, Faisalabad	2016
4	M.Sc. (Hons.) Soil Science	Effectiveness of alternate wetting and drying to decrease cadmium accumulation by rice ( <i>Oryza sativa</i> L.)	University of Agriculture, Faisalabad	2015
5	M.Sc. (Hons.) Soil Science	Effect of foliar application of silicon on rice ( <i>Oryza sativa</i> L.) grown on cadmium contaminated soils	University of Agriculture, Faisalabad	2015
6	M.Sc. (Hons.) Soil Science	Accumulation of cadmium by rice grown on biochar amended soil	University of Agriculture, Faisalabad	2015
7	M.Sc. (Hons.) Soil Science	Minimizing cadmium accumulation in wheat by application of inorganic amendments	University of Agriculture, Faisalabad	2015
8	PhD	Use of genetic variability and mineral nutrition to minimize cadmium accumulation in wheat	University of Agriculture, Faisalabad	2015
9	M.Sc. (Hons.) Soil Science	Exploiting genotypic variability in wheat ( <i>Triticum aestivum</i> L.) and amendments to produce safe food from Cd contaminated soils	University of Agriculture, Faisalabad	2014
10	M.Sc. (Hons.) Soil Science	Effectiveness of inorganic amendment to decrease cadmium accumulation by wheat ( <i>Triticum aestivum</i> L.)	University of Agriculture, Faisalabad	2014
11	M.Sc. (Hons.) Soil Science	Phytoavailability of Nickel in contaminated soils assessed by different extractants in response to soil applied amendments	University of Agriculture, Faisalabad	2014
12	M.Sc. (Hons.) Soil Science	Role of amendments and genotypic variations in minimizing cadmium accumulation in wheat ( <i>Triticum aestivum</i> L.)	University of Agriculture, Faisalabad	2013
13	M.Sc. (Hons.) Soil Science	Genotypic differences in accumulation and distribution of cadmium in wheat crop	University of Agriculture, Faisalabad	2013
14	M.Sc. (Hons.) Soil Science	Role of foliar applied Zn in minimizing Cd accumulation in wheat grains	University of Agriculture, Faisalabad	2013
15	M.Sc. (Hons.) Soil Science	Comparative effectiveness of organic and inorganic amendments to decrease Cd accumulation in wheat	University of Agriculture, Faisalabad	2013
16	M.Sc. (Hons.) Soil Science	Effect of elemental sulfur on the growth and yield of rice in lead contaminated soil	University of Agriculture, Faisalabad	2012
17	M.Sc. (Hons.) Soil Science	Role of elemental sulfur in enhancing wheat growth and phytoextraction of lead in contaminated soil	University of Agriculture, Faisalabad	2012
18	M.Sc. (Hons.) Soil Science	Screening of wheat varieties for low uptake of cadmium from growth medium	University of Agriculture, Faisalabad	2012
19	M.Sc. (Hons.) Soil Science	Effect of Pre-sowing seed treatments on growth, yield, ionic concentration, transpiration and photosynthetic rate of wheat and rice	University of Agriculture, Faisalabad	2012
20	M.Sc. (Hons.)	Effectiveness of zinc application to minimize cadmium	University of	2010



	Soil Science	accumulation in wheat ( <i>Triticum aestivum</i> L.)	Agriculture, Faisalabad	
21	M.Sc. (Hons.) Soil Science	Growth response of monocot and dicot crops to seed priming treatments	University of Agriculture, Faisalabad	2010
22	M.Sc. (Hons.) Soil Science	Heavy metals (Cd, Ni and Pb) contamination of soils, plants and waters in madina town of Faisalabad Metropolitan and preparation of GIS	University of Agriculture, Faisalabad	2010

#### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	B.Sc. Environmental Health			

#### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

##### Administrative Responsibilities

#	From	To	Position	Organization
	Nil			

##### Committee Membership

#	From	To	Position	Organization
1	Jan 2016	To-date	Member and coordinator	Committee on Quality and accreditation of B.Sc. Environmental Health, College of Publish Health
2	Jan 2016	To-date	Member	Committee on development of M.Sc. degree in Environmental Health, College of Publish Health

##### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	October	To-date	IRMC	Part-time

##### Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)



1	Word processing	:	MS-Word, Word Perfect.
2	Graphics	:	Power Point.
	Statistical Package	:	Minitab, MS-Excel.
	Communication	:	Netscape Navigator, MS-Outlook
	Professional Presentation	:	MS-Power Point.

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### Last Update

9/11/2016