



Lasbela University
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Cell No.:	0314-4423145		
Research Area:	Soil Science (Chemical Processes and Element Cycling)		
QUALIFICATION			
DEGREE	PASSING YEAR	MAJORS	UNIVERSITY
Doctorate	2019	Soil Sciences	Federal University of Santa Maria (Brazil)
M.Sc. (Hons) Agriculture	2013	Soil and Environmental Sciences	University of Agriculture, Peshawar
B.Sc. (Hons) Agriculture	2011	Soil and Environmental Sciences	The University of Azad Jammu & Kashmir, Muzaffarabad
PUBLICATIONS (NATIONAL/INTERNATIONAL)			
1	Álvaro Luís Pasquetti Berghetti, Maisa Didone Wohlenberg, Juliete Araújo da Silva, Lucas Antônio Telles Rodrigues, Qamar Sarfaraz, Lessandro de Conti, Tadeu Luis Tiecher, Luciane Almeri Tabaldi, Lincon Oliveira Stefanello & Gustavo Brunetto, Increase in phosphorus concentration reduces the toxicity of copper in wheat roots (<i>Triticum aestivum</i> L.) (2021), Journal of Plant Nutrition. https://doi.org/10.1080/01904167.2021.1956533 (IF: 1.707)		
2	Amanda Romeiro Alves, Dörthe Holthusen, José Miguel Reichert, Qamar Sarfaraz , Leandro Souza da Silva. Biochar amendment effects on microstructure resistance of a		

sandy loam soil under oscillatory stress. (2021), Journal of Soil Science and Plant Nutrition. <https://doi.org/10.1007/s42729-021-00414-2> (IF: 2.156)

- 3 **Qamar Sarfaraz**, Leandro Souza da Silva, Gerson Laerson Drescher, Mohsin Zafar, Fabiane Figueiredo Severo, Allan Kokkonen, Gustavo Dal Molin, Muhammad Izhar Shafi, Qudsia Shafique, and Zakaria M Solaiman, Characterization and carbon mineralization of biochars produced from different animal manure and plant residues. (2020), Scientific Reports, Vol: 10, p. 1 – 9. (IF: 4.525)
- 4 Gerson Laerson Drescher, Leandro Souza da Silva, **Qamar Sarfaraz**, Gustavo Dal Molin, Laura Brondani Marzari, Augusto Ferreira Lopes, Cesar Cella, Daniela Basso Facco, Rodrigo Knevez Hammerschmitt, Alkaline hydrolyzable nitrogen and properties that dictate its distribution in soil profiles. (2020), Pedosphere. Vol. 30 (6), p. 326 – 335. (IF: 3.188)
- 5 Fabiane Severo, Janielly Moscôso, **Qamar Sarfaraz**, Luiz Rodrigues Jr., Augusto Lopes, Laura Marzari, Gustavo Dalmolin, Leandro Souza da Silva, Chemical and physical characterization of biochar and ash from rice husk and their potential to adsorb iron. (2020), SN Applied Sciences, Vol: 2, 1286. <https://doi.org/10.1007/s42452-020-3088-2>
- 6 Gerson Laerson Drescher, Leandro Souza da Silva, **Qamar Sarfaraz**, Trenton L. Roberts, Fernando Teixeira Nicoloso, Raíssa Schwalbert, Anderson Cesar Ramos Marques, Available nitrogen in paddy soils depth: influence on rice root morphology and plant nutrition, Journal of Soil Science and Plant Nutrition, (2020), <https://doi.org/10.1007/s42729-020-00190-5> (IF: 2.156)
- 7 Gerson Laerson Drescher, Leandro Souza da Silva, **Qamar Sarfaraz**, Gustavo Brunetto, Marta Sandra Drescher, Gustavo Brunetto, Allan Kokkonen, Adrielle Tassinari, Lincon Falcão, Rice nitrogen uptake as affected by different nitrogen application depths, Archives of Agronomy and Soil Science, (2019). <https://doi.org/10.1080/03650340.2019.1711064> (IF: 2.254)

- 8 Saeed Ahmed, Sergio Ruffo Roberto, Muhammad Shahab, Renata Koyama, Ronan Carlos Colombo, Ibrar Hussain, **Qamar Sarfaraz**, Improvement of blackberry rooting using mini cuttings and different methods of IBA application, International Journal of Biosciences. (2018), Vol. 13 (2), p. 1 – 9.
- 9 Saqib Bashir, Shazma Anwar, Bashir Ahmad, **Qamar Sarfraz**, Wajid Khatk, Muhamad Islam, Response of Wheat Crop to Phosphorus Levels and Application Methods, Journal of Environment and Earth Science. (2015), Vol. 5 (9), p. 151 – 155.
- 10 **Qamar Sarfaraz**, Sajida Perveen, Quadratullah Shahab, Dost Muhammad, Saqib Bashir, Nazeer Ahmed, Saeed Ahmed, Muhammad Shahid-Ul-Islam and Israr Asghar. Comparative Effect of Soil and Foliar Application of Sulfur on Maize, IOSR Journal of Agriculture and Veterinary Science. (2014), Vol. 7 (4), p. 32 – 37.

PAPER PRESENTATIONS IN INTERNATIONAL CONFERENCES

1. Gerson Laerson Drescher, **Qamar Sarfaraz**, Natalia Tobin Aita, Allan Kokkonen, Gustavo Dal Molin, Laura Brondani Marzari, Augusto Ferreira Lopes, Leandro Souza da Silva. Alkaline hydrolysable nitrogen with N availability index for irrigated rice. Short article published in XII meeting of South Brazilian of Soil Science at Xanxerê, April 15 – 17, 2018.
2. **Qamar Sarfaraz**, Gerson Laerson Drescher, Fabiane Figueiredo Severo, Leandro Souza da Silva. Characterization of biochars produced from different animal manures and crop straws, poster presented in 21st world congress of soil science held on August 12 – 17, 2018.
3. Gerson Laerson Drescher, **Qamar Sarfaraz**, Cesar Cella, Allan Kokkonen, Natalia Tobin Aita, Gustavo Dal Molin, Leandro Souza da Silva. ¹⁵N recovery in depth by flooded rice in Southern Brazil, poster presented in 21st world congress of soil science held on August 12 – 17, 2018.
4. Amanda R. Alves, Dörthe Holthusen, **Qamar Sarfaraz**, José Miguel Reichert, Mayara T. Mendonça, Leandro Souza da Silva. Influence of biochar on microstructural behavior of a Brazilian subtropical soil, poster presented in 21st world congress of soil science held on August 12 – 17, 2018.
5. **Qamar Sarfaraz**, Gerson Laerson Drescher, Fabiane Figueiredo Severo, Augusto Ferreira Lopes, Gustavo Dal Molin, Laura Brondani Marzari, Leandro Souza da Silva, Amendment in soil pH by application of different biochar types, poster

presented in 6th International Conference on “Sustainable Agriculture in Changing Climate: Strategies and Management” held at Rawalakot, Azad Jammu and Kashmir-Pakistan on June 19 – 21, 2019.

6. Janielly Silva Costa Moscôso, **Qamar Sarfaraz**, Leandro Souza da Silva, Leandro Moscôso Araújo, Allan Augusto Kokkonen da Silva, Rosemar de Queiroz, Emission of methane and electrochemical changes in soil solution with the cultivation of different varieties of flooded rice, poster presented in 6th International Conference on “Sustainable Agriculture in Changing Climate: Strategies and Management” held at Rawalakot, Azad Jammu and Kashmir-Pakistan on June 19 – 21, 2019.
7. Hafeez-Ur-Rehman, Nazeer Ahmed, Imtiaz Ali Khan, Saeed Ahmed, **Qamar Sarfaraz**, Effect of Different Sowing Dates of Canola (*Brassica napus* L.) on Aphid *Lipaphis Erysimi* (Kaltenbach) (Homoptera: Aphididae) Population, poster presented in 6th International Conference on “Sustainable Agriculture in Changing Climate: Strategies and Management” held at Rawalakot, Azad Jammu and Kashmir-Pakistan on June 19 – 21, 2019.
8. Saeed Ahmed, Sergio Ruffo Roberto, Osmar José Chaves Junior, Nazeer Ahmed, **Qamar Sarfaraz**, Use of Sulphur dioxide pad to control Botrytis mold of ‘BRS Clara’ seedless table grape during cold storage, poster presented in 6th International Conference on “Sustainable Agriculture in Changing Climate: Strategies and Management” held at Rawalakot, Azad Jammu and Kashmir-Pakistan on June 19 – 21, 2019.
9. Leandro Souza da Silva, **Qamar Sarfaraz**, Gerson Laerson Drescher, Effect of biochars produced from different crop residues on nitrogen mineralization, paper presented in Latin American Congress of soil Science held at Montevideo Uruguay on October 7 – 11, 2019.

PAPER PRESENTATIONS IN NATIONAL CONFERENCES

1. Shaheen, A., S.J. Z. Shah. and **Sarfaraz, Q.** Crop yield and soil water storage as affected by tillage and soil fertility management practices in sub-humid region of Rawalakot Azad Kashmir. Abstract presented in international conference “Prospects and challenges to sustainable agriculture at University of Azad Jammu & Kashmir, Faculty of Agriculture Rawalakot, Azad Jammu & Kashmir- Pakistan from July 14–16, 2011.
2. **Sarfaraz, Q.**, S. Perveen, Q. Shahab, D. Muhammad, S. Bashir, N. Ahmed, S. Ahmed, M. S. Islam and I. Asghar. Comparative Effect of Soil and Foliar Application of Sulfur on Maize. Paper presented in 15th International Congress of Soil Science at Islamabad-Pakistan on March 18 – 20, 2014.
3. **Qamar Sarfaraz**, Leandro Souza da Silva, Gerson Laerson Drescher, Fabiane Figueiredo Severo, John Kenedy Tavares de Oliveira, Jaqueline Gaio Spricigo, Nutrient retention after crop harvest in a Typic Hapludult amended with biochar types under no-tillage system, Poster presented in 18th International Congress of Soil Science on

“Wise Soil Management Ensures Better Environment and Livelihood” February 11-13, 2020, Tandojam, Pakistan.

4. Gulfam Mohi-ud-Din, Mohsin Zafar, **Qamar Sarfaraz**, Adnan Ishaq, Cycling, bioavailability and variations in P fractions from bed sediments of diverse catchment of Rawalakot Azad Jammu and Kashmir, Abstract presented in 18th International Congress of Soil Science on “Wise Soil Management Ensures Better Environment and Livelihood” February 11-13, 2020, Tandojam, Pakistan.
5. **Qamar Sarfaraz**, Leandro Souza da Silva, Gerson Laerson Drescher, Mohsin Zafar, Laura Marzari, Adriale Tassinari, Gulfam Mohi-ud-Din, Effect of different biochars on agronomic parameters of wheat along with nitrogen application, Abstract presented in 18th International Congress of Soil Science on “Wise Soil Management Ensures Better Environment and Livelihood” February 11-13, 2020, Tandojam, Pakistan.

TEACHING EXPERIENCE

Designation	From	To	Organization
Assistant Professor (IPFP)	2021	To date	Lasbela University of Agriculture, Water and Marine Sciences Uthal
Visiting Lecturer	2019	2020	University of Poonch Rawalakot
Technical Teacher	2014	2015	Azad Jammu and Kashmir Education Department

WORKSHOPS/SEMINARS/TRAININGS ATTENDED AND CONDUCTED:

1. One-day workshop on “**management of animal manures**” held at Federal University of Santa Maria, July 05, 2016.
2. Four days training course on “**liming, fertilization and nutritional status of fruit trees**” held at Federal University of Santa Maria, October 15 – 18, 2018

SHORT BIOGRAPHY:

Qamar Sarfaraz is graduated in agriculture (Soil and Environmental Sciences) from the University of Azad Jammu and Kashmir, Muzaffarabad. He earned his masters degree from the University of Agriculture, Peshawar (Pakistan) and then he went to Brazil by availing the doctorate scholarship provided by National Council for Scientific and Technological Development (CNPq) through the World Academy of Science (TWAS) (190166/2014-2). There he worked on preparing biochars from different plant residues and animal manures and their use in agriculture, to reduce the soil acidity. During his doctorate at the Federal University of Santa Maria, he was one of 31 scholars (representing 11 different countries) who were awarded the by Scholar Award from the International Plant Nutrition Institute (IPNI) in 2018

(<https://www.ipni.net/article/IPNI-3493>). His specialization is in preparing Biochars, analysis, applying them to acidic soil under no-tillage system.

Currently, Qamar is working at Lasbela University of Agriculture, Water and Marine Sciences as an Assistant Professor through IPFP Program of Higher Education Commission of Pakistan.