



University of Agriculture, Faisalabad

Department of Agronomy



DR. MUHAMMAD SHAHID IBNI ZAMIR

Associate Professor

- I am a professionally qualified agriculturist with 23 years of experience and have extensive experience in corporate agriculture farming. I am currently providing consultancy services to various corporate farms. I am a determined and enthusiastic individual with excellent planning and organizational skills. I am equally comfortable working independently or as part of a team.
- I have an active and dynamic approach to work, always striving to get things done efficiently and effectively. I am determined and decisive, never shying away from making difficult decisions when necessary. Additionally, I possess a keen eye for identifying and developing opportunities for growth and improvement."

Name: **DR. M. SHAHID IBNI ZAMIR**

1. Personal:

Nationality: Pakistani

Date of Birth: 03-12-1973

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Place of Domicile: Faisalabad

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ACADEMIC QUALIFICATIONS

EXAMINATION	YEAR	SUBJECT	UNIVERSITY/BOARD
Ph. D.	2006	Agronomy	University of Agriculture, Faisalabad, Pakistan.
M.Sc. (Hons.)	1998	Agronomy	University of Agriculture, Faisalabad, Pakistan.
B.Sc. (Hons.)	1996	Agronomy	University of Agriculture, Faisalabad, Pakistan

Job Description

Teaching and Research

Sr. #	Date	Title	Institution
1	26-03-1999	Teacher on per Lecture Basis	Deptt. of Agronomy University of Agriculture Faisalabad.
2	12-04-2003	Lecturer	-do-
3	05-04-2006	Assistant Professor	-do-
4	31-08-2019	Associate Professor	-do-

- Teaching the undergraduate and post-graduate classes.
- Conducting research in Agronomy on farmer's field and University of Agriculture, Faisalabad.

Brief of statement of Research Area

Conservation Agronomy, Crop Nutrition, Regenerative agriculture and cropping system research with special emphasis on field crops and the management practices for plants and soils to address agricultural and environmental challenges. In addition, agronomy of fodder crops and to develop economically viable, highly productive and sustainable silage for general adoption by the growers particularly the small growers of the country is also being emphasized.

Farmer Consultancy

1. Vegetable Tunnel farming consultancy
2. Organic vegetables consultancy
3. Regenerative agriculture and Field crops consultancy
4. Silage and hay making consultancy
5. Good experience in Corporate Agriculture Farming (JK Agri. Farms Faisalabad,)
6. Currently provide consultancy to different corporate Farms .

Trainings/ Seminars/ Workshops

- 1) Staff Development Course (HEC). Sep. 5-Oct. 1, 2005.
- 2) Post Graduate Training Course on Nuclear and other advance Techniques in Agri. and Biological research (NIAB). Oct. 14-25, 2002.
- 3) Three day Sugar beet Training at Sugar Crops Research Institute Mardan. April 3-5, 2002.
- 4) Basic Computing Skills Development Programme. June 12-25, 2003. UAF.
- 5) Research Orientation Programme on Research Methodology and Analytical Techniques 3rd Course. Aug. 18-20, 2005. UAF.
- 6) Training on Impact of WTO on Textile industry and Agriculture. Sep. 4-5, 2002, at FCCI. Faisalabad.
- 7) Teachers Training Workshop. Dec. 12, 2002. UAF.
- 8) Sustainable management of insect pests of fruits with special reference to citrus through modern protection and post harvest losses – reduction techniques. Sep, 01-04, 2010.
- 9) Project management in higher education institutions. March 10, 2014.

Students Supervision:

Field of Specialization:

-Agronomy-

Conservation agronomy, Regenerative agriculture, mulching, fertilization, and planting options to determine which combinations of practices perform best for growing different crops and sustainable forage production research with special emphasis on crops and the management of soils to address agricultural and environmental challenges.

As Supervisor	Completed	On going
M. Sc (Hons) Agri.	62	11
Ph. D (Agronomy)	05	03
As Member		
M.Sc.(Hons) Agri.	25	10
Ph. D (Agronomy)	06	03

(II) A: Research and Scholarly Publications

Papers Published in Peer Reviewed, International / National Journals with Impact Factor

1. **Zamir Shahid**, A. Ahmad and H.M.R. Javeed. Integrated application of fertilizers and biocane (Organic fertilizers) to enhance the productivity and juice quality of autumn planted Sugarcane (*Saccharum officinarum* L.) 2011. *Afric. J. Agric. Res.* Vol. 6(21):4857-4861. **(IF:0.263)**
2. W. Ahmad, A.U.H. Ahmad, **M.S.I. Zamir**, M.Afzal. A.U. Mohsin, F. Khalid and S.M.W. Gillani. Qualitative and quantitative response of forage maize cultivars to sowing methods under subtropical conditions. *The JAPs.* 22(2): 2012, Page: 318-323. **(IF: 0.638)**
3. M. Afzal, A.U.H. Ahmad, **M.S.I. Zamir**, F. Khalid, A.U. Mohsin and S.M.W. Gillani. Performance of multi-cut forage sorghum under various sowing method and nitrogen application rates. *The JAPs.* 23(1) 2013: 232-239. **(IF: 0.638)**
4. **Hafiz Muhammad Rashid Javeed and Muhammad Shahid Ibni Zamir.** Influence of tillage practices and poultry manure on the grain, physical properties and yield attributes of spring maize (*Zea mays* L.). *Pak J. Agri. Sci.*, Vol. 50(2), 2013: 177-183. **(IF: 1.240)**
5. Muhammad Sohaib, Muhammad Ayub, **Muhammd S.I. Zamir** and Muhammad J. Akhtar. Dry matter yield of Oat- Egyptian clover mixture under varying proportions and different growth stages of Oat.*Int. J. Agric. Biol.*, 15. 2013: 673-679. **(IF: 0.808)**
6. M. Aslam, **M.S.I. Zamir**, I. Afzal and M. Amin. Role of Potassium in physiological functions of spring maize grown under drought stress. *J. Anim. Plant Sci.* 24(5):2014, 1452-1465. **(IF: 0.549)**
7. **Hafiz Muhammad Rashad Javeed, Muhammad Shahid Ibni Zamir**, M. Nadeem, R. Qamar, M. Shahzad, M. Aqeel Sarwar and Shahid Iqbal. Response of maize phenology and harvest index to tillage and poultry manure. *Pak J. Agri. Sci.*, Vol. 51(3): 2014, 633-638. **(IF: 1.240)**

8. Shahid Iqbal, H. Z. Khan, Ehsanullah, **Muhammd S.I. Zamir**, M. W. R. Marral and H. M. R. Javeed. The effects of Nitrogen fertilization strategies on the productivity of maize hybrids. *Zemdirbyste-agriculture.*, Vol 101(3): 2014, 249-256. **(IF: 0.523)**

9. Hafiz Muhammad Rashad Javeed, **Muhammad Shahid Ibni Zamir**, Nasir Masood, Rafi Qamar, Muhammad Shehzad and Muhammad Nadeem. Agronomy and Economy: Impact of tillage and poultry manure on maize (*Zea mays* L.). *American J. of plant sci.*, 5: 2014, 799-810. <http://dx.doi.org/10.4236/ajps.2014.515235>. **(Google based Impact Factor: 0.94)**

10. A. Amin, Z. Aslam, Q. Zaman, Ehsanullah, **S.I. Zamir**, I. Khan and M. Junaid. Performance of different cultivars in direct seeded rice with various seeding densities. *American J. of plant sci.*, 5: 2014, 3119-3128. <http://dx.doi.org/10.4236/ajps.2014.515235>.

(Google based Impact Factor: 0.94)

11. M. Hassan, A. H. Ahmad, **S.I. Zamir**, I. Haq, F. Khalid, T. Rasool and A. Hussain. Growth, yield and quality performance of Pearl Millet varieties under Faisalabad conditions, Pakistan. *American J. of plant sci.*, 5: 2014, 2215-2223. <http://dx.doi.org/10.4236/ajps.2014.515235>.

(Google based Impact Factor: 0.94)

12. M. Aslam, **M.S.I. Zamir**, S. A. Anjum, I. Khan and M. Tanvir. An investigation into morphological and physiological approaches to screen maize hybrids for drought tolerance. *Cereal Research Communications*, 43(1):2015. **(I F : 0.607)**

13. A. Khaliq, A. Matloob, A. Hussain, S. Hussain, F. Aslam, **Shahid Ibni Zamir** and M. U. Chattha. Wheat Residue Management Options Affect Crop Productivity, Weed growth and Soil properties in Direct Seeded Fine Aromatic Rice. *Clean-Soil, Air, Water*, 43(8), 1259-1265. 2015. **(I F : 1.945)**

14. A. Tanveer, M. E. Safder, M. Suleman, M. Tahir, **S. I. Zamir** and M. A. Nadeem. Assessing the Potential of the water soluble Allelopaths of *Marsilea* in Rice and Wheat. *Planta Daninha*. 33(2), 231-239, 2015. **(I F : 0.42)**

15. M. Saleem, **M. Shahid Ibni Zamir**, I. Haq, M. Z. Irshad, M. K. Khan, M. Asim, Q. Zaman, I. Ali, A. Khan and S. Rehman. Yield and Quality of Forage Oat Cultivar as Affected by Seed Inoculation with Nitrogenous Strains. *American Journal of Plant Sciences*. 2015, 6, 3251-3259. ISSN :2158-2750. **(Google based IF 0.82.) DOI: 10.4236/ajps/2015/619316.**

16. Mehmood S., **M.S.I. Zamir**, M. Hussain, H.M.R. Javeed, I. Ali, D. Khurram, M. Asim, N. Islam, Z. Haq, M.U. Tahir, I. Khan and A. Khan. 2016. Agro- economic study of different soil management practices in sorghum. [SYLWAN. 160(6)]. 207-218. (IF: 0.263)

17. Khan M.K., **S.I. Zamir**, A. Khaliq, M. Sharif. 2016. Effect of tillage practices on the forage yield and quality of mixed sowing of maize and cowpea. [SYLWAN. 160(12)]. 159-169.
(IF: 0.263)

18. **Zamir M.S.I.**, A. Iqbal, A.H. Ahmad, M. Hussain, M. Asim, I. Ali, N. Islam, M. Mursaleen, and A.R. Malik. 2016. Growth, Yield and Quality Comparison of different forage sorghum (sorghum bicolor L.) Cultivars Harvested at different flowering intervals. **Transylvanian Review**. Vol XXIV, No. 9:1550-1560. (IF: 0.03)

19. Hussain M., **M.S.I. Zamir**, M.W. Anjum, M. Nisa, H. Fatima, M. Asim, M.A.R. Malik, Z. Haq, M.U. Ibrahim, A.R. Saeed, N. Mahmood, H.M.R. Javeed and S. Yaseen. 2016. Influence of With Holding Last Irrigation and Plant Age on the Quality and Forage Yield of Sorghum (Sorghum bicolor L.). **Transylvanian Review**. Vol XXIV, No. 10:2817-2825. (IF:0.03)

20. Shahid M.N., **M.S.I. Zamir**, I. Haq, M.K. Khan, **M. Hussain**, U. Afzal, M. Asim, I. Ali. 2016. Evaluating the Impact of Different Tillage Regimes and Nitrogen Levels on Yield and Yield Components of Maize (Zea mays L.). **American Journal of Plant Sciences**. 7:789-797. ISSN :2158-2750. DOI: 10.4236/ajps/2016.76073. (Google based IF:1.10)

21. **Zamir M.S.I.**, M.A. Khan, M. Hussain, I. Haq, M.K. Khan, Q. Zaman, U. Afzal, N. Islam, M. Asim, I. Ali, H. Khan and K. Iqbal. 2016. Quantitative Behaviour of Guar (Cymopsis tetragynolobus L.) to Various Tillage Systems and Mulches and Soil Physical Properties. **American Journal of Plant Sciences**. 7:1040-1045. ISSN :2158-2750.
(Google based IF: 1.10.) DOI: 10.4236/ajps/2016.77099.

22. **Zamir S.I.**, M. Hussain, H. Khursheed, M.K. Khan, Q. Zaman, H.M.R. Javeed, F. Tabssum, M. Hussain, N. manzoor, F. Amin, M.N. Mansha, M. Nadeem, N. Mehmood, A. Ali, M. Shaheryar, S. Zulfiqar, M. Imran, M. Yasmin, S. Saleem. 2016. Effects of Various Tillage Practices on the

Performance of Forage Sorghum and Cowpea Intercropping. **Transylvanian Review**. Vol XXIV, No. 11:2956-2966. (IF: 0.03)

23. Haq I., **S.I. Zamir**, A. Khaliq, M. Yaseen. 2016. Effect of Narrow Row Spacing and Nitrogen Application Time on Growth and Grain Yield of Maize. **Transylvanian Review**. Vol XXIV, No. 11:2419-2429. (IF: 0.03)

24. **Zamir M.S.I.**, M. Hussain, M.Z. Irshad, H.M.R. Javeed, Q. Zaman, H. Younis, H. Fatima, F. Tabssum, M. Nisa, A. Mustafa, A.R. Ashraf, Q. Saeed, F. Sufyan. 2016. Exploring the Qualitative and Quantitative Response of Various Linseed Cultivars under Different Nitrogen Levels. **Transylvanian Review**. Vol XXIV, No. 11:3180-3186. (IF: 0.03)

25. A.Rehman, F. Hassan, R. Qamar, H.M.R. Javeed, J. Qamar, F. Hassan, **M. S. Zamir**, M. Shahid, Nasir Masood. Efficacy of herbicides to control Parthenium hysterophorus L. in spring maize (*Zea mays* L.). DOI: <http://dx.doi.org/10.3920/QAS2015.0750>.

Published Online: October 24, 2016 in Quality Assurance and Safety of Crops & Foods

(IF: 0.624)

26. Afzal, U., **M.S.I. Zamir**, S.M.U. Din, A. Bilal, Salahuddin, M., & Khan, S. I. (2017). Impact of different zinc application methods on yield and yield components of various wheat (*Triticum aestivum* L.) cultivars. *American Journal of Plant Sciences*, 8(13), 3502.

27. Ali, I., **S.I. Zamir**, Hussain, M., Shan, M. D., & Ajmal, M. (2017). Agro-economic studies of different oat (*Avena sativa* L.) cultivars under varying nitrogen levels. *Journal of Environmental and Agricultural Sciences*, 13, 31-39.

28. Islam, N., **M.S.I. Zamir**, Din, S. M. U., Farooq, U., Arshad, H., Bilal, A., & Sajjad, M. T. (2018). Evaluating the intercropping of millet with cowpea for forage yield and quality. *American Journal of Plant Sciences*, 9(9), 1781-1793.

26. H. M. R. Javeed, R. Qamar, **Shahid Ibni Zamir**, Atique-ur-Rehman, Fahim Nawaz, Muhammad Maooz Faheem, Mazhar Ali, Abdul Rehman, Amjad Farooq and Ali Zakir, 2019. Selenate uptake through roots improves the tolerance to cell disruptors and fungal infection in canola seedlings after exogenous selenium application, *Pak. J. Agri. Sci.*, Vol. 56(2), 329-337; 2019

27. Mujahid Farid, Shafaqat Ali, Rashid Saeed, Muhammad Rizwan, Syed Asad Hussain Bukhari, Ghulam Hassan Abbasi, Afzal Hussain, Basharat Ali, **Muhammad**

Shahid Ibni Zamir & Irfan Ahmad (2019): Combined application of citric acid and 5-aminolevulinic acid improved biomass, photosynthesis and gas exchange attributes of sunflower (*Helianthus annuus* L.) grown on chromium contaminated soil, International Journal of Phytoremediation, DOI: 10.1080/15226514.2018.1556595

25. Farid, Mujahid, Shafaqat Ali, Rashid Saeed, Muhammad Rizwan, Syed Asad Hussain Bukhari, Ghulam Hassan Abbasi, Afzal Hussain, Basharat Ali, **Muhammad Shahid Ibni Zamir**, and Irfan Ahmad. "Combined application of citric acid and 5-aminolevulinic acid improved biomass, photosynthesis and gas exchange attributes of sunflower (*Helianthus annuus* L.) grown on chromium contaminated soil." *International journal of phytoremediation* 21, no. 8 (2019): 760-767.
26. Javeed, Hafiz Muhammad Rashad, Rafi Qamar, Atique Ur Rehman, Mazhar Ali, Abdul Rehman, Muhammad Farooq, **Shahid Ibni Zamir** et al. "Improvement in soil characteristics of sandy loam soil and grain quality of spring maize by using phosphorus solublizing bacteria." *Sustainability* 11, no. 24 (2019): 7049.
27. Javeed, Hafiz Muhammad Rashad, Rafi Qamar, **Shahid Ibni Zamir**, Fahim Nawaz, Muhammad Maoz Faheem, Mazhar Ali, Abdul Rehman, Amjad Farooq, and Ali Zakir. "Selenate uptake through roots improves the tolerance to cell disruptors and fungal infection in canola seedlings after exogenous Selenium application." *Pakistan Journal of Agricultural Sciences* 56, no. 2 (2019).
28. U. zulfiqar, S. hussain, M. maqsood, **S.I zamir**, M. ishfaq, N. ali, M.ahmad and M.F maqsood. Enhancing the accumulation and bioavailability of iron in rice grains via agronomic interventions, 2021. *Crop and Pasture Science* - <https://doi.org/10.1071/CP21140>
29. H.M.R javeed, M. ali, R. qamar, M. shahzad, H. rehman, F. Nawaz, M. jamil, A. ahmad, A. farooq, N. masood, **S.I zamir** and N. iqbal. Effect of Date Biochar Pyrolyzed at Different Temperature on Physiochemical Properties of Sandy Soil and Wheat Crop Response, 2021. *Communications in soil science and plant analysis*
30. A. shakeel, L. anjum, **S.I zamir**, M. rizwan, M. arshad, Q. mehmood, M. sajjad, A. waqas. IRRIGATION WATER QUALITY EFFECTS ON CO2 EMISSIONS ALONG WITH CROP AND SOIL RESPONSES, 2021. *Pak. J. Agri. Sci.*, Vol. 58(2), 637-642; 2021

31. Anjum, Lubna, Qamar Rasheed, Muhammad Rizwan, Abdul Rehman, and **Muhammad Shahid Ibni Zamir**. "Evaluation of the Water Distribution Efficiency of Wheat under Improved Water and Fertilizer Application Techniques." *Environmental Sciences Proceedings* 23, no. 1 (2022): 25.
32. **Zamir, M. S. I.**, Khan, M. K., Chattha, M. U., Chattha, M. B., Khan, I., Hassan, M. U., & Kharal, M. (2022). Effect of tillage practices and intercropping ratios on quantity and quality of cereals-sesbania forage. *Pakistan Journal of Agricultural Sciences*, 59(3).
33. Hamed, Ali, **Muhammad Shahid Ibni Zamir**, Asif Tanveer, and Muhammad Yaseen. "Comparison of Maize Hybrids for Production of Quality Fodder and Silage in Faisalabad, Punjab, Pakistan." *Journal of Bioresource Management* 9, no. 4 (2022): 6.
34. Ahmed, Faryal, Fahad Waris, **Shahid ibni Zamir**, Muhammad Sajjad, Shahid Nazeer, Aakif Khan, and Faisal Mustafa. "Response of Different Organic and Inorganic Fertilizers on Alfalfa Yield Under Different Types of Irrigation Water." *Haya Saudi J Life Sci* 8, no. 1 (2023): 1-8.

28. Intercropping of Maize with Soybean under Integrated Nutrient Management showcases the role of Organic Fertilizers in Silage Production and Quality. 2022, Pakistan Journal of Biochemistry and Biotechnology, 3(1), 1-19. <https://doi.org/10.52700/pjbb.v3i1.100>

29. Hamed, A., Zamir, M. S., Tanveer, A., & Yaseen, M. (2022). Comparison of Maize Hybrids for Production of Quality Fodder and Silage in Faisalabad, Punjab, Pakistan, *Journal of Bioresource Management*, 9 (4).

30. Anjum, L.; Rasheed, Q.; Rizwan, M.; Rehman, A.; Zamir, M.S.I. Evaluation of the Water Distribution Efficiency of Wheat under Improved Water and Fertilizer Application Techniques. *Environ. Sci. Proc.* **2022**, *23*, 25. <https://doi.org/10.3390/environsciproc2022023025>

31. **Zamir, M. S. I.**, Khan, M. K., Chattha, M. U., Chattha, M. B., Khan, I., Hassan, M. U., & Kharal, M. (2022). Effect of tillage practices and intercropping ratios on

quantity and quality of cereals-sesbania forage. *Pakistan Journal of Agricultural Sciences*, 59(3).

Book Chapter:

Book Chapter :Soil Biodiversity and Climate Change, Book Sustainable Soil and Land Management and Climate Change, Edition1st , Published 2021.

Book Chapter: Bioecology and Agronomy of Winter Fodder Crops, Book Sustainable Winter Fodder, Edition1st,Published 2021.

Book Chapter : Quality Seed Production of Winter Fodder Crops, Book Sustainable Winter Fodder, Edition1st,Published 2021.

Enhancing the accumulation and bioavailability of iron in rice grains via agronomic interventions, 2021. *Crop and Pasture Science* - <https://doi.org/10.1071/CP21140>

Effect of Date Biochar Pyrolyzed at Different Temperature on Physiochemical Properties of Sandy Soil and Wheat Crop Response, 2021. *Communications in soil science and plant analysis*

Irrigation water quality effects on CO₂ emissions along with crop and soil responses, 2021. *Pak. J. Agri. Sci.*, Vol. 58(2), 637-642; 2021

(ii) Papers published in non-Impact factor Journal/ International Journals

1. **M. S. I. Zamir**, A.H. Ahmad, H.M.R. Javeed and T. Latif. Growth and yield behavior of two Maize Hybrids (*Zea mays* L.) towards different plant spacings. Cercetari agronomic in Moldova. VOL. XLIV, NO. 2(146) / 2011.
2. A.H. Ahmad, A.Wahid, F. Khalid, N. Fiaz and **M. S. I. Zamir**. Impact of organic and inorganic sources of nitrogen and phosphorus fertilizers on growth, yield and quality of forage oat (*Avena sativa* L.) Cercetari agronomice in Moldova.. Vol. XLIV, NO. 3(147) / 2011.
3. Aslam, M., A. Iqbal, **M. S. I. Zamir**, M. Mubeen and M. Amin. Effect of different nitrogen levels and seed rates on yield and quality of maize fodder. *Crop & Environment*, 2, 2011: 47-51.
4. Muhammad Hussnain, M.A. H.A Buksh, J. Iqbal, T. Khaliq and **M. S. I. Zamir**. Agro-economic response of two wheat varieties under different tillage practices. *Crop & Environment*, 2(2), 2011: 1-7.
5. Naveed Iqbal, A. Ali, M.A. Nadeem, M. Waseem, M.Tahir, **M.S.I.Zamir** and A. Iqbal. Pak. J. Sci. Ind. Res. Ser. B: Biol. Sci., 54(2), 2011: 64-70.
6. **Ibni Zamir Shahid**, Azraf-ul-Ahmad and H.M. Rashid Javeed. Response of wheat to tillage and row spacing in maize-wheat cropping system in semi-arid region of Pakistan. *Agrociencia Uruguay*, Special issue Vol.16 (3). 2012.

7. M. Saqib, **M.S.I. Zamir**, A. Tanveer and A.U.H. Ahmad. Agro-economic evaluation of various maize hybrids under different planting patterns. *Cercetari Agronomice in Moldova*. Vol. XLV, No. 3 (151) / 2012.
8. **M.S.I. Zamir**, G. Yasin, H.M.R. Javeed, A.U.H. Ahmad, A. Tanveer and M. Yaseen. Effect of different sowing techniques and mulches on the growth and yield behavior of spring planted maize. *Cercetari Agronomice in Moldova*. Vol. XLV, No. 1(153) / 2013.
9. H.M.R. Javeed, **M.S.I. Zamir**, A. Tanveer and M. Yaseen. Soil physical properties and grain yield of spring maize as influence by tillage practices and mulch treatments. *Cercetari Agronomice in Moldova*. Vol. XLV, No. 1(153) / 2013.
10. H.M.R. Javeed, **M.S.I. Zamir**, A. Tanveer and M. Yaseen. Soil physical properties and spring maize yield as influenced by different tillage practices and integrated use of poultry manure with synthetic fertilizers. *J. Agric. Res.*, 2013, 51(3): 277-287.
11. Muhammad Aslam, **Muhammad Shahid Ibni Zamir**, Irfan Afzal and Muhammad Yaseen. Morphological and Physiological response of maize hybrids to potassium application under drought stress. *J. Agric. Res.*, 2013, 51(4): 443-454.
12. **M.S.I. Zamir**, H.M.R. Javeed, W. Ahmed, A.U.H. Ahmad, N. Sarwar, M. Shehzad. M.A. Sarwar, S. Iqbal. Effect of tillage and organic mulches on growth, yield and quality of autumn planted maize and soil physical properties. *Cercetari agronomic in Moldova* Vol. XLVI, No. 2 (154)/ 2013: 17-25.
13. M. Aslam, **M.S.I. Zamir**, I. Afzal, M. Yaseen, M. Mubeen and A. Shoaib. Drought Stress, its effect on Maize production and development of drought tolerance through potassium application. *Cercetari agronomic in Moldova*. Vol. XLVI, No. 2 (154)/ 2013: 99-114.

14. S.Iqbal, H.Z. Khan, Ehsan Ullah, N. Akbar, **M.S.I. Zamir**, H.M.R.Javeed. Nitrogen management studies in maize hybrids. *Cercetari agronomic in Moldova* Vol. XLVI, No. 3 (155)/ 2013: 39-48.

15. Muhammad Fezan Akhtar, Azraf-ul-Haq Ahmad, **Muhammad Shahid Ibni Zamir**, Farhan Khalid, Atta Ullah Mohsin and Muhammad Afzal. Agro-Qualitative studies of forage sorghum sown alone and in mixture with forage legumes. *Pakistan Journal of Sci.* Vol. 65 No. 2 June, 2013: 179-185.

16. A. Khaliq, M. Hussain, A. Matloob, A. Tanveer, **Shahid Ibni Zamir**, I. Afzal and Farheena Aslam. Weed growth, herbicide efficacy indices, crop growth and yield of wheat are modified by herbicide and cultivar interaction. *Pak. J. Weed Sci. Res* 20(1): 2014, 91-109.

17. S. M. W. Gillani, A. H. Ahmad, F. Khalid, **M. S. I. Zamir**, M. B. Anwar, W. Ikram and A. Jabbar. Impact of nutrient management on growth, yield and quality of forage maize under agro-climatic conditions of Faislabad. *J. Agric. Res.* 52(4): 2014, 499-507.

18. Ali. Hassan, **Muhammad Shahid Ibni Zamir**, Imran Khan, Shakeel Ahmad Anjum, Ahmad Maqsood, Azraf-ul-Haq Ahmad and Faisal Mahmood. Sustainable maize production through seed inoculation and different tillage regimes. *IJAAR*. Vol. 4, No. 3, 2014. pp: 67-76. **(IF: 1.65 based on universal impact factor)**

19. **S.I.Zamir** , M. Asif. I. Haq , U. Ashraf, S. Hussain and M. K. Khan. Maize phenology, yield and its quality is affected by organic mulches and various irrigation regimes. *Int.J.of modern Agriculture*. 3(2); 2014, 56-59.

20. I. Haq , **S. I. Zamir**, A.Javeed and S.Hussain. Sustainable phosphorous management through seed inoculation with PSM. *Intl.J.Agri.Crop Sci.* 7(10): 2014, 769-773.

21. M. Ali, I. Khan, S. A. Anjum, M. Asif, O. Farooq, **M. S. I. Zamir** and A. H. Ahmad. Response of seed cotton yield and qualitative characteristics of cotton to different plant spacing and sowing time under agro ecological conditions of R.Y. Khan. *Int. J. Agric. Appl. Sci.* 6(1): 2014, 82-88.

22. M. W. R. Marral, **M. Shahid Ibni Zamir** and Shahid Iqbal. Impact of Phosphorus levels and different tillage systems on yield and economics of mung bean. *Greener Journal of Agronomy, Forestry and Horticulture*. 2(4): 2014, 73-78.
(DOI: <http://dx.doi.org/10.15580/GJAFH.2014.4.080114315>)

23. M. K. Khan, **Muhammad Shahid Ibni Zamir**, I. Haq, Q. Zaman, A. Zohaib, T. Abbas, T. Rasool, H. M. R. Javeed and S. Hussain. Barely intercropped with fenugreek yields more benefit under semi-arid condition of Pakistan. *Research Journal of Fisheries and Hydrobiology* 10(13) September 2015. Pages 1-7.

24. M. U. Chattha, M. A. Sana, H. Munir, U. Ashraf, I. Haq and **Shahid Ibni Zamir**. Exogenous application of plant growth promoting substances enhances the growth, yield and quantity of maize. *Plant knowledge Journal* (4): 1-6 (2015).

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1. **M.S.I.Zamir**, H.M.R. Javeed and M.W. Murral. Effect of Phosphorus application on growth and yield of Mungbean under different tillage practices. International seminars on “Crop Management: Issues and Options” June 01-02, 2011 UAF.

2. U. Chattha, **M.S.I.Zamir**, A. Haq and M. Afzal. Quantitative and Qualitative response of different sorghum cultivars to harvesting intervals under subtropical conditions. International seminars on “Crop Management: Issues and Options” June 01-02, 2011 UAF.

3. M. Afzal, A. Haq, **M.S.I.Zamir** and M.Usman. Performance of Multi-cut forage Sorghum variety KS-707 under various sowing methods and nitrogen application rates. International seminars on “Crop Management: Issues and Options” June 01-02, 2011 UAF.

4. M. Aslam, **M.S.I. Zamir**, Irfan Afzal, and M. Yaseen. Screening of maize hybrids for drought tolerance. Advancement in science and Research . Feb 27, 2012 at COMSATS, Vehari.
5. A.Hassan, **S.I. Zamir**, M.A. Yasir, Q.Mehmood, M.Usman, S. Sardar and A. Mehmood. Sustainable production of maize through seed inoculation with nitrogenous strains under different tillage practices. International conference on “*Crop management in changing climate*” February 11-13, 2013. UAF Faisalabad.
6. A.H. Ahmad, **S.I. Zamir**, M. Tahir, M.F. Akhtar and F. Khalid. Effect of Forage Sorghum sown alone and in mixture with forage legumes on the quality of forage yield.3rd Int. Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
7. A.H. Ahmad, **S.I. Zamir**, N. Saleem, M. Tahir and F. Khalid. Comparative performance of different sorghum forage cultivars for forage yield and quality attributes. 3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
8. A.H. Ahmad, **S.I. Zamir**, S.M.W. Gillani, M. Tahir and F. Khalid. Impact of nutrient management on the growth, yield and quality of forage maize.3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
9. M. Aslam, **S.I. Zamir**, I. Afzal and M. Yaseen. Evaluation of maize hybrids under water deficit conditions.3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
10. M. Tahir, F. Khalid, A.H. Ahmad, **M.S.I. Zamir**, and N. Fiazan. Response of hybrid maize to foliar application of chelated and non-chelated zinc.3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
11. **S.I. Zamir**, A.U. Ahmad, M. Tahir and W. Ahmad. Qualitative and quantitative performance of autumn planted maize under various organic mulches and tillage practices. 3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.

12. **S.I. Zamir**, S. Mehmood, A.H. Ahmad, M. Tahir, W. Akbar and M. Noman. Performance of grain sorghum under various soil management practices. 3rdInt.Conf. of Pakistan Society of Agronomy” Sustainable Crop Productivity: Threats and options” April 11-12, 2013, ARRI, Faisalabad, Pakistan.
13. **S.I. Zamir**, A.H. Ahmad, M. Tahir and M. Husnain. Response of different tillage practices on yield of two wheat varieties. 3rdInt.Conf. of Pakistan Society of Agronomy”
14. **S.I. Zamir**, M. Asif, K. Khan and I. Haq. Organic mulches and irrigation levels affect soil properties, yield and quality of maize. Int. workshop on “Biochar in Pakistan: Opportunities and potential” March 24-27, 2014, UAF, Faisalabad, Pakistan.
15. I. Haq, **S.I. Zamir**, U. Ashraf and H. Z. Khan. Seed inoculation with phosphorus solubilizer microorganisms improves phosphorus use efficiency in maize. Int. workshop on “Biochar in Pakistan: Opportunities and potential” March 24-27, 2014, UAF, Faisalabad, Pakistan.
16. Iqbal, A., **M.S.I. Zamir**, M. Hussain. 2016. Growth, yield and quality comparison of different forage sorghum (*Sorghum bicolor* L.) cultivar harvested at different flowering intervals. Tropentag, September 18-21, 2016, Vienna, Austria.
17. Mehmood, S., **M.S.I. Zamir**, M. Hussain. 2016. Comparative efficacy of different soil management practices in sorghum and Appraisal of economic value. Tropentag, September 18-21, 2016, Vienna, Austria.
18. Anjum, M.W., **M.S.I. Zamir**, M. Hussain. 2016. Influence of withholding last irrigation and plant age on the quality and yield of Sorghum (*Sorghum bicolor* L.). Agro-Vet Conference on Progressive Agro-Vet Sector; A Key to Prosperous Pakistan (April 24, 2016). Khayyam Banquet Hall, Sargodha Road, Faisalabad, Pakistan.
19. Khan, M.A., **M.S.I. Zamir**, M. Hussain. 2016. Influence of tillage systems and mulches on guar and soil physical properties. Agro-Vet Conference on Progressive Agro-Vet Sector; A Key to Prosperous Pakistan (April 24, 2016). Khayyam Banquet Hall, Sargodha Road, Faisalabad, Pakistan.
20. Shahid, M.N., **M.S.I. Zamir**, M. Hussain. 2016. Appraising effect of various tillage systems and nitrogen levels on yield components and yield of maize. Agro-Vet

Conference on Progressive Agro-Vet Sector; A Key to Prosperous Pakistan (April 24, 2016). Khayyam Banquet Hall, Sargodha Road, Faisalabad, Pakistan.

B) Other Scholarly Activities:

(i) Membership of societies/organizations

1. Pakistan Society of Agronomy.(PSA)
2. International Soil Tillage Research Organization. (ISTRO)
3. World Academy of Science, Engineering and Technology.(WASET)

(ii) Review of well reputed national Journal Papers

Reviewed and evaluated the research papers of African Journal of Agricultural Research
And Pakistan Journal of Agricultural Sciences.

(iii) English article:

1. **Agro chemical polluting the fragile natural resources “ Water ”**
Technology Times, Vol. 05, Issue: 07
2. **Causes of genetic degradation in fisheries.**
Technology Times, Vol 06 Issue 07
3. **Safflower oil – Safe and beneficial for health.**
Technology Times, volume 07, issue 12.
4. **Climate change and our ecosystem.**
Technology Times, volume 07, issue 13.
5. **Water: A Nature’s gift for living things.**
Technology Times, volume 07, issue 16.
6. **HEALTH BENEFITS OF JOJOBA OIL.**

Technology Times, volume 07, issue 29.

7.POSITIVE IMPACTS OF COFFEE.

Technology Times, volume 07, issue 30.

8.Quality fodder of millet and cowpea.

Technology Times, volume 07, issue 30.

Alfalfa Research Group

Working as a member of Alfalfa Research Group developed by US-PCAS,AFS, UAF for the development, promotion and research activities of Alfalfa crop.

C) Participation in different conferences/ Seminars/workshops etc.

1. Participated in the International seminars on Crop Management: June, 2011. Issues and Options at Department of Agronomy, University of Agriculture, Faisalabad.
2. Received Certificate of Appreciation on contribution for organizing the International seminars on “Crop Management: Issues and Options at Department of Agronomy, University of Agriculture, Faisalabad.
3. Attended the National Seminar on role of Agronomy in National food security organized by Pakistan Society of Agronomy on January 07, 2012 at AARI Faisalabad.
4. Attended one day seminar on” How to write a winning research proposal” on May 07, 2011.
5. Participated in the International Seminar on Crop Management in Changing Climate .Feb, 11-13-2013. Department of Agronomy, University of Agriculture, Faisalabad.
6. Participated in the International Conference on Sustainable Crop Productivity: April, 11-12, 2013. At AARI, Faisalabad.
7. Participated in the Series of Workshops for Co- Tutors, Learning by Doing: Tools & Techniques for working as a Team, held on May 2,3,6, and 7,2013. Organized by Office of Senior Tutors, UAF.
8. Participated in AgMIP- Pakistan Kickoff Workshop &International Seminar on Climate Change held on June 4-6, 2013 at UAF.

9. Attended the International Seminar on “Strategies for working with Adult Learners/Farmers” held on July 15, 2013 at UAF.
10. Attended the one day Workshop on “Linking Social Research with Science to Strengthen Agricultural Value Chain” held on September 9, 2013 at UAF.
11. Attended the First National Seminar of Pakistan Allelopathy Society “ Allelopathy Research in Pakistan” held on December 12, 2013 at UAF.
12. Participated in AgMIP- Pakistan Mid-term Workshop & International Seminar on Climate Change Adaptation Strategies to ensure Food Security held on January 16-17, 2014 at UAF.
13. Participated in activity based course on Project Management in Higher Education Institutions, held on March 10, 2014, at UAF.
14. Attended the International Workshop on Biochar in Pakistan held on March 24-27, 2014 at UAF.
15. Attended the National Conference on Prospects, Challenges and Strategies to maximize Sugarcane Production held on April 8, 2014 at UAF.
16. Participated in workshop on Scientific Writing held on May 24, 2014 at UAF.
17. Participated in AgMIP-Pakistan Kickoff Workshop phase II & International Seminar on Risk Management in Agriculture held on November 28, 2015 at UAF.
18. Participated in International Workshop on Biofortification of Staple Crops: a solution to combat malnutrition held on March 29-31, 2015 at UAF.
19. Participated in International Workshop on Climate Change Resilient Agriculture Systems held on November 30- December 4, 2015 at UAF.
20. CERTIFICATE OF APPRECIATION of Kisan Mela held on November 23, 2015 at UAF.

21. Certificate of Participation in Two Days Training program on Decision Support System for Agro-Technology Transfer held on August 18-19, 2015 at UAF.
22. Participated in One day workshop on Vegetable and Seed Production Friday, December 11, 2015 at UAF.
23. Participated in 1st PAKISTAN SEED CONGRSS held on December 08-10, 2015 at UAF.
24. Attended the Seminar on Academia Industry Linkages and Commercialization Policy on 24-11-2015 at UAF.
25. Attended the Consultative meeting on Prioritization of Researchable Topics on 07 January 2016 (USPCAS-AFS).
26. Participated in AgMIP- Mid Term Workshop phase II & Hands on Training of TOA-MD held on December 20-22, 2016 at UAF.
27. Participated in Workshop on Strategies to overcome scarcity periods of fodder production: current situation and challenges held on March 03, 2016 at UVAS, Lahore.
28. Participated in Research Seminar on Pierce's Disease in Grapes held on April 02, 2016 at UAF.
29. Participated in Kisan Convention held on April 04, 2016 at UAF.
30. Participated in 2nd PAKISTAN SEED CONGRESS held on November 21, 2016 at UAF.
31. Attended the Training workshop on “ Effective communication Skills and Innovative methods for Outreach and Extension”. On December 9, 2016 at UAF.

Research Projects

S#	Name of PI	Title	Funding Agency	Amount (Rs. Million)	Duration
1	Dr.M.Shahid Ibni Zamir (Project Lead)	Technologies for Reducing GHG Emissions and Providing Offset Options for Livestock Sector Pakistan	HEC	3.72 million	3 years
2	Dr.M.Shahid Ibni Zamir (Project Lead)	Forage productivity, Silage characteristics and digestion kinetics of cereal- legume intercropping under different row and seed ratios and its commercialization on large scale	HEC	2.58 million	2years
3	Dr.M.Shahid Ibni Zamir (Project Lead)	GHG Emissions and Providing Offset feed Options for Livestock Sector in Pakistan	Nestle Pakistan Ltd. Lahore	3.00 Million	2 years
4	Dr.M.Shahid Ibni Zamir (Project Lead)	Case study: Estimate the amount of carbon sequestration by Moringa olifera tree per age class in Bahawalpur district in Pakistan.	Nestle Switzerland	0.632 Million	One year

5	Dr.M.Shahid Ibni Zamir (Project Lead)	Case study on manure management systems in Nestlé Pakistan dairy reference farms to estimate greenhouse gas emissions and analyze the nutrient composition of cattle manure.	Nestle Switzerland	2.15 million	One year
6	Dr.M.Shahid Ibni Zamir (Project Lead)	Evaluating the impact of feeding alfalfa hay and pellets in TMR based rations supplemented with trace minerals on lactating cows performance and digestibility in Nestle Pakistan reference dairy farm	Nestle Switzerland	3.365 million	One year
7	Dr.M.Shahid Ibni Zamir (Project Lead)	Evaluating the impact of TMR based rations supplemented with Moringa leaves and prebiotic source on lactating cows' performance and digestibility in Nestle Pakistan reference dairy farm	Nestle Switzerland	2.334 million	One year
8	Dr.M.Shahid Ibni Zamir (Consultant)	Regenerative Agriculture trials on Maize crop in different regions	Nestle Pakistan Ltd.	1.45 million	One year

IV) Advisory, Administrative and community services:

1. Worked as member of Examination Committee of Faculty of Agriculture, university of Agriculture, Faisalabad.
2. Worked as member of Vigilance Committee of Faculty of Agriculture, university of Agriculture, Faisalabad.
3. Performed the duty as a Co- Advisor for the enrolment of B.Sc (Hons) Agri. Sciences .in the Faculty of Agriculture.

4. Working as Co- Tutor of SIR SYED-2 Tutorial group.
5. Member stall display and advisory committee of Department of Agronomy for farmers in annual festival arranged by UAF in March, 2011.
6. Attended supervisory committee meetings and planed the student researches at different times.
7. Worked as a team member of Quality Enhancement Cell at Departmental level in order to completion and submission of the Course Evaluation Questionnaire and Performa for Teacher Evaluation.
8. Worked as a team member to prepare annual report 2010-11 of Department of Agronomy.
9. Performed the duties of receiving and verification of application in Admission Committee for admission in B.Sc (Hons) Agri. Sciences.
10. Performed the duties of hall management during movie shows arranged by the office of senior tutor in coordination with public relations and publication department.
11. Performed the duties for the guidance to admission seekers in under graduates.
12. Managed study tours of 8th semester B.Sc (Hons) Agri. Sciences in different parts of the country for a week.
13. Member stalls display and advisory committee of Department of Agronomy for farmers in annual festival in 2012.
14. Acted as member of the Comprehensive examination/tour and tour report committee for the internship program of B.Sc (Hons) Agri. 8th semester major Agronomy, spring semester, 2012.
15. Performed the duties for issuance of undertaking form and distribution of laptops to students.

16. Performed the duties for the guidance to admission seekers in under graduates.
17. Worked as Incharge Team No.4 in Organizing Committee 20th Convocation on 21 December , 2013.
18. Performed the duties for the guidance to admission seekers on 30 August, 2013 at Information Desk.
19. Performed the duty as a Co- Advisor for the enrolment of B.Sc (Hons) Agri. Sciences .in the Faculty of Agriculture.
20. Acted as member of The Presentation/tour and tour report committee for the internship program of B.Sc (Hons) Agri. 8th semester major Agronomy, spring semester, 2013.
21. Performed the duties in Departmental Seminar Committee to conduct the Ph.D/M.Sc. student's seminars (AGR-720).
- 22.Worked as Dy. Superintendent in Entry Test 2015 for B.Sc. Agri. Engg. on 26-7-2015.
- 23.Worked as member of Banner Committee for the International workshop on Biofortification of Staple crops from March 29th to 31st , 2015.
24. Member of stall display and advisory committee of Department of Agronomy for farmers in Kisan Mela and Rabi festival held on November 2-7, 2016.
25. Performed the duty in Entry Tests 2016 for admission to undergraduate programmes on 03-4-2016.
26. Worked as member of Committee for the Preparation of SAR of the Department on November 23, 2016.
- 27.Nominated as Departmental member for Pakistan Agricultural Coalition to interact with the industry.

Outreach activities / Farmer days

1. Delivered a lecture on the use of Modern Agronomic Practices for fodder Production and Conservation for Sustainable Livestock Production on December 13, 2014, at Chak No. 27/J.B. Faisalabad.
2. On November 14, 2015 visited the Nishat Dairy Farms Sukhaki and Nishat Agricultural Farms Bahu Man, Pindi Bhattian along with Vice Chancellor , Director Farms and Dr. Hafeez Ahmad Sadaqat for consultancy about Fodders and Crop & Soil management problems.
3. Delivered a Lecture in Farmer Training Program at Depalpur on October 5, 2015.
4. Worked as Member of Faculty Arrangement Committee for holding of Rabi Festival/ Kisan Mela on 23-11-2015. (To make arrangements for Faculty /Individual department level Seminar and identify guest speakers. Collection of Farmers, to display the technologies in faculty premises) Received a CERTIFICATE OF APPRECIATION for Kisan Mela held on November 23, 2015 at UAF.
5. Nominated as Departmental Focal person for Outreach/Extension by the Vice Chancellor (UAF) to work with the faculty of Outreach Chair of USPCAS-AFS and IAERD for carrying out extension activities in the selected villages in all Tehsils of Faisalabad.

Worked as Focal Person/Resource Person in the following different out reach activities in different villages.

1. Out reach/ Field Day at Chak 411 G.B. Tandlanwala (04-06-2016)
2. Out reach/ Field Day at Chak 122 G.B. Jaranwala (24-09-2016)
3. Out reach/ Field Day at Chak 45 GD. Okara (29-09-2016)
4. Out reach/ Field Day at Chak 272 G.B. Faisalabad (22-10-2016)
5. Out reach/ Field Day at Chak 189 R.B. Chak Jhumra (26-11-2016)

6. Nominated as Departmental member for Pakistan Agricultural Coalition to interact with the industry.
7. As a member of Alfalfa Research group visited the Army Farm Khanewal (500 Acres) on November 9, 2016 along with Alfalfa Research group.
8. Attended and delivered a lecture in the Fodder research expert meeting on December 8, 2016 at UVAS , organized by ASLP Dairy Project UVAS Lahore.