

CURRICULUM VITAE

Dr. MUHAMMAD AAMIR IQBAL

Personal Profile:

Current Address: Department of Agronomy, Agriculture Campus, University of Poonch Rawalakot, Shamasabad (Azad Jammu & Kashmir) Pakistan.

Permanent Address:

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Country: Pakistan

Nationality: Pakistani

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Passport: NG1339081

Date of Birth: 09/09/1987



Google Scholar Profile:

<https://scholar.google.com.pk/citations?user=cUiKVAAAAAJ&hl=en&oi=ao>

Researchgate Profile:

https://www.researchgate.net/profile/Muhammad_Aamir_Iqbal2/publications



Current Position

Assistant Professor, Department of Agronomy, University of Poonch Rawalakot (AJK) Pakistan.

Projects Completed (July-2018)

Impact of biochar, organic manures and root intermingling on productivity and silage quality of forage medics (*Medicago polymorpha* L.) and quinoa (*Chenopodium quinoa* Willd.) companion crops.

Funded by Higher Education Commission, Pakistan (PKR. 0.5 million)

Research Experience

Research Assistant (University of California Davis, USA)

Worked on Research Projects

1. Comparative study on nitrogen accumulation and C-sequestration under chemical and novel organic manures management systems for soybean.
2. Soybeans production in central California under varied temperature regimes and irrigation techniques (Drip irrigation, Furrow irrigation).
3. Impact of biochar and integrated fertilization regimes on the productivity of chickpea and BMR sorghum sown under varied spatial arrangements
4. Participated in Farmers Field Days for determining the impact of legumes inclusion in feed on milch animal's productivity.

Teaching courses to under & Post-graduate students

Spring-2017: Biological Nitrogen Fixation 3(2-1); Field Crop Production 3(2-1); Project Studies 4(0-4)

(Total credit hours= 10)

Fall-2017-18: Agro-Technology of major crops 3(2-1); Field Crop Production 3(2-1); Forage and Fodder Production 3(2-1)

(Total credit hours= 9)

Spring-2018: Biological Nitrogen Fixation 3(2-1); Project Studies 4(0-4); Post harvest technology of crops 3(2-1)

(Total credit hours= 10)

Fall-2018-19: Forage and Fodder Production 3(2-1); Agro-Technology of major crops 3(2-1)

Education

PhD-Agronomy (2016)

University of Agriculture Faisalabad, Pakistan & University of California Davis, USA.

Thesis Title: Forage yield and quality attributes of sorghum-legumes intercropping systems under different planting times and spatial arrangements.

M.Sc. (Honors) Agriculture-Agronomy (2011)

University of Agriculture Faisalabad, Pakistan.

Thesis Title: Response of canola to foliar application of moringa (*Moringa oleifera* L.) and brassica (*Brassica napus* L.) water extracts.

B.Sc. (Honors) Agriculture (Agronomy) (2009)

University of Agriculture Faisalabad, Pakistan.

MBA (Management) (2013)

Virtual University, Pakistan.

Short Professional Courses

Salinity Management professional course (2016)

National Resources Conservation Services (NRCS), USA.

Methods of Seed Testing (2009)

University of Agriculture, Faisalabad-38040, Pakistan

Mushroom Culture (2008)

University of Agriculture, Faisalabad-38040, Pakistan

Professional Internships

🌾 **Maize and Millet Research Institute**, Yousafwala, Sahiwal (Pakistan) 6-months (2009).

🌾 Wheat sowing campaign under **Punjab Agriculture Extension Wing**, Pakpattan (Pakistan) 3-months (2008).

Research Supervision (Co-mentoring)

PhD Scholars

Syed Bilal Haider (Regd# 2012-AGRI-135)

Thesis title: Impact of planting density and integrated fertilization regimes on biomass productivity, nutritional quality and economic turn outs of forage moringa (*Moringa oleifera* Lam.). (In Progress)

M.Sc. (Hons.) Scholars

1. Wajid Naeem (Regd# 2015-AGRI-489)

Thesis title: Response of wheat (*Triticum aestivum* L.) to organic and inorganic fertilizers under rainfed conditions of Rawalakot. (Completed)

2. Muhammad Hammad (Regd# 2013-AGRI-480)

Thesis title: Optimization of nitrogen for rainfed maize (*Zea mays* L.) under agro-climatic conditions of Rawalakot. (Completed)

3. Muhammad Faisal (Regd# 2016-AGRI-326)

Thesis title: Impact of micro-nutrients foliage feeding on productivity of sunflower under agro-ecological conditions of Rawalakot. (Completed)

4. Muhammad Arslan (Regd# 2012-AGRI-064)

Thesis title: Cowpea (*Vigna unguiculata* L.) forage yield and nutritional quality under varying spatial arrangements. (In Progress)

5. **Rana Zain Raza** (Regd# 2012-AGRI-062)

Thesis title: Soybean (*Glycine max* L.) yield and oil productivity under integrated fertilization regimes in Rawakot. (In Progress)

Honors/Awards

- ♣ HEC approved PhD supervisor (2019)
- ♣ Represented UPR in **HEC's National Curriculum Revision Committee (NCRC) meeting** in the subject of Agronomy (October 9-11, 2017, Lahore).
- ♣ Represented UPR in **HEC's National Curriculum Revision Committee (NCRC)** in the subject of Crop Physiology (October 30-31, Nov 1, 2017, Peshawar).
- ♣ **Research Fellowship** at University of California Davis (UCD) USA, Funded by Higher Education Commission of Pakistan & UCD (2015-16).
- ♣ **Indigenous Scholarship** for PhD from Higher Education Commission of Pakistan (2011-2015).
- ♣ **Indigenous Scholarship** from Higher Education Commission of Pakistan for entire study period of M.Sc. (Honors)-Agronomy degree (2009-2011).
- ♣ **Merit Laptop Award** by Government of Punjab, Pakistan (2011).

Personal Skills

(a) Language Skills

English

Y **Listening** : Proficient User

Y **Speaking** : Proficient User

Y **Reading** : Proficient User

Y **Writing** : Proficient User

IELTS (7.0 Bands) 2014

(b) Communication Skills

I have participated in a number of seminars/conferences/symposiums in Pakistan and USA.

- ≡ **California alfalfa and grains symposium**, Long Beach, California, USA. (October, 10-12, 2015).
- ≡ International conference on **Crop management in changing climate**. Department of Agronomy, University of Agriculture, Faisalabad. (Feb 11-13, 2013).
- ≡ International seminar and workshop "**Innovative technologies**" **Precision Agriculture, Renewable energy and bio system modeling**. University of Agriculture, Faisalabad. (June, 21-22, 2013).
- ≡ International seminar "**Strategies for working with adult learners/ farmers**". University of Agriculture, Faisalabad. (July 15, 2013).
- ≡ National seminar on **Bio-Slurry. An organic source for sustainable agriculture**. Ayub Agriculture Research Institute, Faisalabad. (16 December, 2013.)
- ≡ International seminar on **Crop management: issues and options**. Department of Agronomy, University of Agriculture, Faisalabad. (June 1-2, 2011).
- ≡ A Five-Day English Workshop on "**Phonetics and pronunciation**" (23-27 May, 2011).
- ≡ International seminar on "**Vision for Pakistan, Agriculture: Challenges and Options**" 25-03-2010.
- ≡ International conference on **Sustainable food grain production, Challenges and opportunities**. University of Agriculture, Faisalabad. (October, 26-27, 2009).

(c) Computer Skills

Independent user of different computer based statistical programs and crop modeling software

❖ Statistics 8.1

❖ SPSS

❖ CROPSYS

❖ SAS

❖ Modeling in R

(d) Organizational Skills

- ✎ Editor of **Journal of Agriculture and Crops** (ISSN 2412-6381) (2015-Present)
<http://arpgweb.com/?ic=journal&journal=14&info=edit>
- ✎ Editor of **Swift Journal of Agricultural Research** (ISSN 2986-982X) (2014-Present)
<http://www.swiftjournals.org/sjar/board.php>
- ✎ Editor and Reviewer of **International Journal of Multidisciplinary Research & Information** (2017-present) <http://www.journalijmri.com/editorial-board>
- ✎ Reviewer of **Scientific Reports** (Impact Factor= 4.75)
- ✎ Reviewer of **Annals of Brazilian Academy of Sciences** (Impact Factor= 0.96)
- ✎ Reviewer of **Planta Daninha** (Impact Factor= 0.545)
- ✎ Reviewer of **Pakistan Journal of Botany** (Impact Factor= 0.824)
- ✎ Reviewer of **Polish Journal of Environmental Studies** (Impact Factor= 1.14)
- ✎ Reviewer of **Ciencia Rural** (Impact Factor= 0.68)
- ✎ Reviewer of **Revista Mexicana de Ciencias Pecuarias** (Impact Factor= 0.884)
- ✎ Reviewer of **Legume Research** (Impact Factor= 0.34)
- ✎ Reviewer of projects for Sultan Qaboos University, Sultanate of Oman.
- ✎ Honorary Member of **Royal Agricultural Society of England (RASE), UK.**
- ✎ Member of **International Society for Development & Sustainability (ISDS), Japan.**
- ✎ Member of **Society of Young Agronomists (SOYA), University of Agriculture, Faisalabad, Pakistan.**

(e) **Other Job Related Skills**

- ✎ Quality analysis using wet chemistry analytical techniques
- ✎ Physico-chemical analysis of soil
- ✎ Silage and hay preparation
- ✎ Field crops production under abiotic stresses
- ✎ Using allelochemicals for crop production
- ✎ Statistical analysis and interpretation of recorded data sets (Statistics 8.1, SAS, MSTAT-C, SPSS)

Publications

Research Articles (Peer-Reviewed International Journals)

1. **Muhammad Aamir Iqbal**, Abdul Hamid, Imtiaz Hussain, Muzammil H. Siddiqui, Tanveer Ahmad, Abdul Khaliq and Zahoor Ahmad. 2019. Competitive indices in cereal and legume mixtures in a South Asian environment. *Agronomy Journal*, 111(1): 242-249. {Impact Factor = **1.897**} [**United States**]
2. Abdul Khaliq, **Muhammad Aamir Iqbal**, Mohsin Zafar and Anis Gulzar. 2019. Appraising economic dimension of maize production under coherent fertilization in Azad Kashmir, Pakistan. *Custos e Agronegocio*, 15(2): 243-253. {Impact Factor = **0.39**} [**Brazil**]
3. **Muhammad Aamir Iqbal**, Abdul Hamid, Tanveer Ahmad, Imtiaz Hussain, Sajid Ali, Ansar Ali and Zahoor Ahmad. 2019. Forage sorghum-legumes intercropping: Effect on growth, yields, nutritional quality and economic returns. *Bragantia* 78(1): 82-95. {Impact Factor = **1.008**} [**Brazil**]
4. Akdeniz, H., Hosaflioglu, I., Koç, A., Hossain, A., Islam, M.S., **Iqbal, M.A.**, Imtiaz, H., Gharib, H., El Sabagh, A. 2019. Evaluation of herbage yield and nutritive value of eight forage crop species. *Applied Ecology and Environmental Research* 17(3): 5571-5581. {Impact Factor = **0.721**} [**Hungary**]
5. **Muhammad Aamir Iqbal**, Abdul Hamid, Muzammil H. Siddiqui, Imtiaz Hussain, Tanveer Ahmad, Saira Ishaq and Anser Ali. 2019. A meta-analysis of the impact of foliar feeding of micronutrients on productivity and revenue generation of forage crops. *Planta Daninha* 37: e019189237 {Impact Factor = **0.791**} [**Brazil**]
6. Sajid Ali, Ammara Fatima, Qurat ul Ain Bukhari, **Muhammad Aamir Iqbal**, Muhammad Ajmal Rana, Sohaib Afzaal. 2019. Effect of nitrogen fertilization on polyphenols in *Trachyspermum ammi* and *Foeniculum vulgare* under various lights interception. *Z Arznei-Gewurzpfla* 23(2):67-71. {Impact Factor = **0.08**} [**Germany**]

- 7. Muhammad Aamir Iqbal.** 2019. Soybean herbage yield, nutritional value and profitability under integrated manures management. *Anais da Academia Brasileira de Ciencias*, {Impact Factor = **0.93**} **[Brazil]**
- 8. Muhammad Aamir Iqbal.** 2019. Climate change: An opportunity to manage weeds as feed sources for ruminants globally. *Anais da Academia Brasileira de Ciencias* {Impact Factor = **0.93**} **[Brazil]**
- 9. Qaiser Maqsood and Muhammad Aamir Iqbal.** 2019. Overviewing weed control by agronomic management of weed seed bank for boosting maize yield. *Planta Daninha* {Impact Factor = **0.791**} **[Brazil]**
- 10. Muhammad Aamir Iqbal, Asif Iqbal and Rana Nadeem Abbas.** 2018. Spatio-temporal reconciliation to lessen losses in yield and quality of forage soybean (*Glycine max* L.) in soybean-sorghum intercropping systems. *Bragantia* 77(2): 283-291. {Impact Factor = **1.008**} **[Brazil]**
- 11. Asif Iqbal, Muhammad Aamir Iqbal, Imtiaz Hussain, Muzammil H. Siddiqui, Muhammad Nasir, Jamshed Ahmad and Yasir Ali.** 2018. Seed blending of oat (*Avena sativa* L.) and canola (*Brassica napus* L.) under variable seed proportions enhanced forage productivity and nutritional quality. *Pakistan Journal of Botany*, 50(5): 1985-1990. {Impact Factor = **0.825**} **[Pakistan]**
- 12. Muhammad Aamir Iqbal, Muzammil H. Siddiqui, Sher Afzal, Zahoor Ahmad, Qaiser Maqsood and Rana Dildar Khan.** 2018. Forage productivity of cowpea [*Vigna unguiculata* (L.) Walp] cultivars improves by optimization of spatial arrangements. *Revista Mexicana De Ciencias Pecuarias*, 9(2), 203-219. {Impact Factor = **0.88**} **[Mexico]**
- 13. Muhammad Aamir Iqbal, Asif Iqbal, Muzammil H. Siddiqui and Zahid Maqbool.** 2018. Bio-agronomic evaluation of forage sorghum-legumes binary crops on Haplic Yermosol soil of Pakistan. *Pakistan Journal of Botany*, 50(5): 1991-1997. {Impact Factor = **0.825**} **[Pakistan]**
- 14. Muhammad Aamir Iqbal, Asif Iqbal, Zahid Maqbool, Zahoor Ahmad, Essa Ali, Muzammil H. Siddiqui and Sajid Ali.** 2018. Revamping soil quality and correlation studies for yield and yield attributes in sorghum-legumes intercropping systems. *Bioscience Journal* 34(3): 1165-1176. {Impact Factor = **0.404**} **[Brazil]**
- 15. Muhammad Aamir Iqbal.** 2018. Comparative performance of forage cluster bean accessions as companion crops with sorghum under varied harvesting times. *Bragantia* 77(3): 476-484. {Impact Factor = **1.008**} **[Brazil]**
- 16. Zahoor Ahmad, Shazia Anjum, Ejaz Ahmad Waraich, Muhammad Ashar Ayub, Tanveer Ahmad, Rana Muhammad Sabir Tariq, Rashid Ahmad and Muhammad Aamir Iqbal.** 2018. Growth, physiology and biochemical activities of plant responses by foliar potassium application under drought stress- A Review. *Journal of Plant Nutrition* 41: 1734-1743. {Impact Factor = **0.753**} **[United States]**
- 17. Zahoor Ahmad, Shazia Anjum, Muhammad Aamir Iqbal and Hafiz Saeed-ur-Rehman.** 2018. Foliar applied potassium enhances fiber quality, water relations and yield of cotton. *Journal of Agricultural Research*, 56(1): 17-25. {HEC-Recognized Journal} **[Pakistan]**
- 18. Muhammad Aamir Iqbal, Imtiaz Hussain, Muzammil H. Siddiqui, Essa Ali and Zahoor Ahmad.** 2018. Probing profitability of irrigated and rainfed bread wheat (*Triticum aestivum* L.) crops under foliage applied sorghum and moringa extracts in Pakistan. *Custos e Agronegocio*, 14(2): 2-16. {Impact Factor = **0.39**} **[Brazil]**
- 19. Muhammad Aamir Iqbal, Brandon J. Bethune, Asif Iqbal, Rana Nadeem Abbas, Zubair Aslam, Haroon Zaman Khan and Bilal Ahmad.** 2017. Agro-botanical response of forage sorghum-soybean intercropping systems under atypical spatio-temporal patterns. *Pakistan Journal of Botany*, 49(3): 987-994. {Impact Factor = **0.849**} **[Pakistan]**
- 20. Asif Iqbal, Muhammad Aamir Iqbal, Amir Iqbal, Zubair Aslam, Muhammad Maqsood, Zahoor Ahmad, Muhammad Umer Farooq, Ghulam Abbas and Muhammad Faisal.** 2017. Boosting forage yield and quality of maize (*Zea mays* L.) with multi-species bacterial inoculation in Pakistan. *Phyton International Journal of Experimental Botany*, 86: 84-88. {Impact Factor = **0.262**} **[Argentina]**
- 21. Muhammad Aamir Iqbal, Asif Iqbal, Muhammad Ayub and Javaid Akhtar.** 2016. Comparative study on temporal and spatial complementarity and profitability of forage sorghum-soybean intercropping systems. *Custos e Agronegocio*, 12(4): 2-18. {Impact Factor = **0.39**} **[Brazil]**

- 22.** Wajid Naeem, **Muhammad Aamir Iqbal**, Imtiaz Hussain, Muzammil H. Siddiqui, Abdul Khaliq. Bio-economic viability of rainfed wheat (*Triticum aestivum* L.) cultivars under integrated fertilization regimes in Pakistan. *Custos e Agronegocio*, (Accepted) {Impact Factor = **0.39**} **[Brazil]**
- 23.** **Muhammad Aamir Iqbal**. Utilization of dairy and poultry organic wastes for forage legumes production: yield gap and trade-offs. *Polish Journal of Environmental Studies* (In Press) {Impact Factor = **1.12**} **[Poland]**
- 24.** Muzammil H. Siddiqui, **Muhammad Aamir Iqbal**, Aitzaz Bashir. Sowing time impacts phenology and grain yield of maize (*Zea mays* L.) more pronouncedly than sowing methods under rainfed conditions. *Polish Journal of Environmental Studies* (Accepted) {Impact Factor = **1.12**} **[Poland]**
- 25.** **Muhammad Aamir Iqbal**, Abdul Hamid, Muzammil H. Siddiqui and Imtiaz Hussain. Cactus pear: A weed of drylands for ensuring food security under changing climate. *Planta Daninha* (ISSN 0100-8358) (In Press) {Impact Factor = **0.791**} **[Brazil]**
- 26.** **Muhammad Aamir Iqbal**, Abdul Hamid, Muzammil H. Siddiqui, Imtiaz Hussain and Abdul Khaliq. Changing climate and weeds utilization as forage: Provisions, nutritional quality and implications. *Bragantia* (ISSN 1678-4499) (under evaluation) {Impact Factor = **1.008**} **[Brazil]**
- 27.** Asif Iqbal, Muhammad Bilal, **Muhammad Aamir Iqbal**, Muhammad Nasir, Haroon Zaman Khan and Rana Nadeem Abbas. 2017. Evaluation of productivity and economic viability of forage maize (*Zea mays* L.) under varying seed rates and spatial geometry. *Pakistan Journal of Botany*, (Under Review) {Impact Factor = **0.825**} **[Pakistan]**
- 28.** **Muhammad Aamir Iqbal**, Sher Afzal, Zahoor Ahmad, Qaisr Maqsood and Rana Dildar Khan. Optimization of novel mixed strip intercropping systems for boosting cowpea (*Vigna unguiculata* L.) biomass production and agro-qualitative attributes. *Revista Mexicana De Ciencias Pecuarias*, (Under Review) {Impact Factor = **0.768**} **[Mexico]**
- 29.** Zahoor Ahmad, Ejaz Ahmad Waraich, Muhammad Aamir Iqbal, Saif Ullah, Muhammad Adnan Bukhari and Muqarrab Ali. Phosphorous improves maize growth and physiology under drought stress: A review. *Sciencia Agricola* (Under Review) {Impact Factor = **1.109**} **[Brazil]**
- 30.** Zahoor Ahmad, Ejaz Ahmad Waraich, Muhammad Zia-ur-Rehman, Muhammad Aamer Maqsood, Saifullah, Muhammad Aamir Iqbal and Wajid Mahboob. Foliar applied phosphorus improved maize growth under water deficit conditions. *Pakistan Journal of Agricultural Sciences* (Under Review) {Impact Factor = **0.56**} **[Pakistan]**
- 31.** Abdul Khaliq, **Muhammad Aamir Iqbal**, Mohsin Zafar and Anis Gulzar. 2019. Appraising economic dimension of maize production under coherent fertilization in Azad Kashmir, Pakistan. *Custos e Agronegocio*, (Under Review) {Impact Factor = **0.205**} **[Brazil]**
- 32.** Asad Amanat Ali, Asif Iqbal and **Muhammad Aamir Iqbal**. Forage maize (*Zea mays* L.) germination, growth and yield get triggered by different seed invigoration techniques. *World Journal of Agricultural Sciences*, 12(2): 97-104. DOI: [10.5829/idosi.wjas.2016.12.2.1908](https://doi.org/10.5829/idosi.wjas.2016.12.2.1908)
- 33.** Muhammad Imran Afzal, **Muhammad Aamir Iqbal** and Zahid Ata Cheema. Triggering growth and boosting economic yield of late-sown wheat (*Triticum aestivum* L.) with foliar application of allelopathic water extracts. *World Journal of Agricultural Sciences*, 11(2): 94-100. DOI: [10.5829/idosi.wjas.2015.11.2.12650](https://doi.org/10.5829/idosi.wjas.2015.11.2.12650)
- 34.** Rana Nadeem Abbas, Qaiser Maqsood, Asif Iqbal, Haroon Zaman Khan, **Muhammad Aamir Iqbal**, Sher Afzal and Nadeem Akbar. Optimization of *Moringa oleifera* Lam. leaf extract as a priming tool and plant nutrient supplement for *Helianthus annuus* L. *Journal of Advanced Botany and Zoology*, 3(3): 1-7.
- 35.** Muhammad Imran Afzal and **Muhammad Aamir Iqbal**. Plant nutrients supplementation with foliar application of allelopathic water extracts improves wheat (*Triticum aestivum* L.) yield. *Advance Agriculture & Biology*, 4(2): 64-70. DOI: [10.15192/PSCP.AAB.2015.4.2.6470](https://doi.org/10.15192/PSCP.AAB.2015.4.2.6470)
- 36.** **Muhammad Aamir Iqbal**, Qaiser Maqsood, Rana Nadeem Abbas, Asif Iqbal, Sher Afzal and Nadeem Akbar. An appraisal of benzoic acid and sorgaab effect on weed management and wheat (*Triticum aestivum* L.) yield. *ARPJ Journal of Agricultural and Biological Science*, 10(2): 44-47. **[ISI Master Journal List-Thomson Reuters]**
- 37.** Shahbaz Ali, **Muhammad Aamir Iqbal**, Sher Afzal and Muhammad Imran Afzal. Growth, kernel quality and yield assessment of aerobic aromatic rice (*Oryza sativa* L.) under different mulching types and spatial arrangements. *World Journal of Agricultural Sciences*, 12(2): 84-90.

- 38. Muhammad Aamir Iqbal** and Mian Munir Ahmad. Boosting spring planted irrigated maize (*Zea mays* L.) grain yield with planting patterns adjustment. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 15 (3): 315-319. DOI: [10.5829/idosi.aejaes.2015.15.3.12516](https://doi.org/10.5829/idosi.aejaes.2015.15.3.12516) [ISI Master Journal List-Thomson Reuters]
- 39. Muhammad Aamir Iqbal**, Zahid Ata Cheema and Muhammad Imran Afzal. Evaluation of forage soybean (*Glycine max* L.) germination and seedling growth enhancement by seed priming techniques. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 15(6): 1198-1203. DOI: [10.5829/idosi.aejaes.2015.15.6.12592](https://doi.org/10.5829/idosi.aejaes.2015.15.6.12592) [ISI Master Journal List-Thomson Reuters]
- 40.** Zahoor Ahmad, Ejaz Ahmad Waraich, Riaz Ahmad, **Muhammad Aamir Iqbal** and Masood Iqbal Awan. Studies on screening of maize (*Zea mays* L.) hybrids under drought stress conditions. *Journal of Advanced Botany and Zoology*, 2(4): 1-5.
- 41. Muhammad Aamir Iqbal**. Improving germination and seedling vigour of cowpea (*Vigna unguiculata* L.) with different priming techniques. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 15 (2): 265-270. DOI: [10.5829/idosi.aejaes.2015.15.2.12508](https://doi.org/10.5829/idosi.aejaes.2015.15.2.12508) [ISI Master Journal List-Thomson Reuters]
- 42. Muhammad Aamir Iqbal**, Zahoor Ahmad, Qaiser Maqsood, Sher Afzal and Mian Munir Ahmad. Optimizing nitrogen level to improve growth and grain yield of spring planted irrigated maize (*Zea mays* L.). *Journal of Advanced Botany and Zoology*, 2(3): 1-4.
- 43. Muhammad Aamir Iqbal**. Cluster bean (*Cyamopsis tetragonoloba* L.) germination and seedling growth as influenced by seed invigoration techniques. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 15 (2): 197-204. DOI: [10.5829/idosi.aejaes.2015.15.2.12506](https://doi.org/10.5829/idosi.aejaes.2015.15.2.12506) [ISI Master Journal List-Thomson Reuters]
- 44. Muhammad Aamir Iqbal**, Abdul Manan Saleem and Bilal Ahmad. Effect of seed invigoration techniques on germination and seedling growth of Chinese sweet sorghum. *Journal of Advanced Botany and Zoology*, 2(2): 1-4.
- 45. Muhammad Aamir Iqbal**. Managing sunflower (*Helianthus annuus* L.) nutrition with foliar application of moringa (*Moringa oleifera* Lam.) leaf extract. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 14 (10): 1339-1345. DOI: [10.5829/idosi.aejaes.2014.14.12.12451](https://doi.org/10.5829/idosi.aejaes.2014.14.12.12451) [ISI Master Journal List-Thomson Reuters]
- 46. Muhammad Aamir Iqbal**, Asif Iqbal, Nadeem Akbar, Rana Nadeem. Abbas, Haroon Zaman Khan and Qaiser Maqsood. Response of canola to foliar application of moringa (*Moringa oleifera* L.) and brassica (*Brassica napus* L.) water extracts. *International Journal of Agriculture and Crop Sciences*, 7(14): 1431-1433.
- 47. Muhammad Aamir Iqbal**. Improving the growth and yield of canola (*Brassica napus* L.) with seed treatment and foliar sprays of brassica (*Brassica naups* L.) and moringa (*Moringa oleifera* L.) leaf extracts. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 14 (10): 1067-1073. DOI: [10.5829/idosi.aejaes.2014.14.10.12429](https://doi.org/10.5829/idosi.aejaes.2014.14.10.12429) [ISI Master Journal List-Thomson Reuters]
- 48. Muhammad Aamir Iqbal** and Shahbaz Ali. Evaluation of yield and yield components of aerobic fine rice (*Oryza sativa* L.) as influenced by different mulches and planting patterns. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 14 (10): 1089-1094. DOI: [10.5829/idosi.aejaes.2014.14.10.12433](https://doi.org/10.5829/idosi.aejaes.2014.14.10.12433) [ISI Master Journal List-Thomson Reuters]
- 49.** Asif Iqbal, **Muhammad Aamir Iqbal**, Faisal Nabeel, Haroon Zaman Khan, Nadeem Akbar and Rana Nadeem Abbas. Economic and sustainable forage oat (*Avena sativa* L.) production as influenced by different sowing techniques and sources of nitrogen. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 14 (10): 1035-1040. DOI: [10.5829/idosi.aejaes.2014.14.10.12421](https://doi.org/10.5829/idosi.aejaes.2014.14.10.12421) [ISI Master Journal List-Thomson Reuters]
- 50.** Asif Iqbal, **Muhammad Aamir Iqbal**, Ali Raza, Nadeem Akbar, Rana Nadeem Abbas and Haroon Zaman Khan. Integrated nitrogen management studies in forage maize. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 14 (8): 744-747. DOI: [10.5829/idosi.aejaes.2014.14.08.12385](https://doi.org/10.5829/idosi.aejaes.2014.14.08.12385) [ISI Master Journal List-Thomson Reuters]
- 51.** Sher Afzal, Nadeem Akbar, Zahoor Ahmad, Qaiser Maqsood, **Muhammad Aamir Iqbal** and Muhammad Rehan Aslam. Role of seed priming with zinc in improving the hybrid maize (*Zea mays* L.) yield. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 13 (3): 301-306. DOI: [10.5829/idosi.aejaes.2013.13.03.1931](https://doi.org/10.5829/idosi.aejaes.2013.13.03.1931) [ISI Master Journal List-Thomson Reuters]

Review Articles/Perspectives

(Peer-Reviewed & ISI Thomson Reuter Indexed Journals)

- 52. Muhammad Aamir Iqbal** and Brandon Bethune. A scoping review on sorghum silage quality enhancement with advanced ensiling operations. *Journal of Advanced Botany and Zoology*, 3(4): 1-5.
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