

CURRICULUM VITAE

Dr. Mubeen Sarwar

Visiting Assistant Professor (Horticultural Sciences)

Institute of Agricultural Sciences, University of the Punjab, Lahore
Pakistan

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Domicile: Okara (Pakistan)
Permanent address: House # 17, Street Masjid Wali Muhammad Pura, Akbar Road Okara, Pakistan
Religion: Islam
Marital Status: Married
Date of Birth: 15-08-1985
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RESEARCH FOCUS

My current research interests include the improvement in Horticulture crop production technology under open and controlled conditions. My focus of research is to understand the abiotic stress physiology of Horticulture crops and the induction of abiotic stress tolerance by foliar application and seed priming of synthetic and natural growth enhancers. I am planning to explore the more plant extracts as priming and foliar agent as a growth enhancer. I am also working on the introduction of new Horticulture crops to increase biodiversity to meet the challenges of food security and climate change.

AREA OF EXPERTISE

- Green house crop production
- Abiotic stress tolerance in Horticulture crops
- Hydroponic vegetables production
- Nursery establishment
- Edible Landscaping

IMPACT FACTOR

ISI publication **impact factor (11.50)**

EDUCATION

- 2012-2017 University of Agriculture, Faisalabad **Ph.D.** (Agriculture/Horticultural Sciences)
2010-2012 University of Agriculture, Faisalabad **M.Sc. (Hons.)** (Agriculture/ Horticultural Sciences)
2006-2010 University of Agriculture, Faisalabad **B.Sc. (Hons.)** (Agriculture/ Horticultural Sciences)
2003-2005 Government Degree College Okara **F.Sc.** (Biology, Physics, Chemistry)
2001-2003 Government Islamia High School, Okara (City) **Matric** (Biology, Physics, Chemistry, Math)

Ph.D. RESEARCH TITLE

Evaluation of salt tolerance potential and its enhancement in Cucumber (*Cucumis sativus* L.)

M.Sc(Hons) RESEARCH TITLE

Assessment of growth and productivity of *Matthiola incana* against exogenous application of micro and macro nutrients

POST-GRADUATE COURSES TAKEN

- ❖ Physiology of Crop Nutrition

- ❖ Seed Physiology
- ❖ Horticulture Seed Science
- ❖ Seed Pathology
- ❖ Plant Growth Regulators
- ❖ Advances in Vegetable Science
- ❖ Turf Grasses
- ❖ Ornamental Horticulture
- ❖ Landscape Designing
- ❖ Experimental Statistics
- ❖ Environmental Biochemistry

PROFESSIONAL EXPERIENCE

- **Working as Visiting Assistant Professor** at Institute of Agricultural Sciences, University of the Punjab Lahore from July 05, 2018-to date.
- **Worked as Assistant Professor (IPFP, HEC)** at Institute of Agricultural Sciences, University of the Punjab Lahore from July 03, 2017 to July 02, 2018.
- Working as **Assistant Superintendent** in Hostel “Ch Rehmat Ali (#14), from Aug 15, 2017-to date at University of the Punjab Lahore.
- **Six month International Training in Molecular Genetics Laboratory**, during November, 11- 2015 to April, 20, 2016 at University of Wisconsin, Madison. United States of America.
- Experience as **Teaching Assistance**, during winter semester 2014-2015, at Institute of Horticultural sciences, University of Agriculture, Faisalabad.
- Four month **Internship at Jinnah Garden Lahore**, Pakistan – Parks and Horticulture Authority, Lahore, February 2010 – May 2010.
- **Wheat Sowing Campaign by** Government of Punjab, Pakistan - Deputy District Officer (Agri. Extension), Okara. November 2009 – December 2009.

STUDENT SUPERVISED

B.Sc. (Hons.) Horticulture students supervised (4)

M.Sc. (Hons.) Horticulture students Supervised (2)

- **Muhammad Bilal Amjad 2018.** Evaluating beneficial microbes for enhancement growth of different Gladiolus cultivar.
- **Ayesha Saleem 2018.** Alleviation of Arsenic stress in Geraniums through exogenous application of Triaccontanol.

M.Sc. (Hons.) Horticulture students as Co-Supervised (2)

- **Sehar Tehseen** 2018. Performance of pre-sowing seed treatment of chitosan on emergence, growth and productivity of Marigold
- **Zubaria Waqar** 2018. A study on the identification of *Palmae* family species using DNA barcoding technique.

Ph.D (Crop physiology) students as Co-Supervising (1)

- Abdul Mannan 2018. Evaluation of thermos tolerance potential and its enhancement in Mung bean with different growth hormones.

ACADEMIC DISTINCTIONS

- Awarded six months **International Fellowship** by Higher Education Commission of Pakistan at University of Wisconsin, Madison, USA.
- Awarded Indigenous **PhD Fellowship** from MS to Leading Ph.D. by Higher Education Commission of Pakistan.
- Qualified GRE (General) got 75 Marks and GRE (Subject) examination obtained 78 Marks.
- Awarded laptop by Chief Minister Punjab (Mian Shahbaz Sharif) on merit basis during 2012.

RESEARCH PROJECTS

- Project completed entitled “**Evaluation and induction of heat stress tolerance in Hot pepper (*Capsicum annuum* L) genotypes under the agro climatic conditions of Lahore**” (2017-2018) as PI, funded by Higher Education Commission of Pakistan worth Rs: 5,00000/.
- Project completed (2017) “**Induction of salt stress in winter vegetables through pre-hardening by using organic and inorganic substances**” as PI, funded by the University of the Punjab, Lahore worth Rs: 15,0000/.

RESEARCH PUBLICATIONS

1. Qumer, I., K. Ziaf, M. Amjad, **M. Sarwar**, I. Ahmad, A. Nawaz. 2019. Comparative efficacy of seed magnetic field treatment and priming in improving growth and productivity of Okra. *Bragantia*. (Under review, I.F.1.008).
2. **Sarwar, M.**, M. Amjad, S. Anjum, M.W. Alam, S. Ahmad, W. Mehboob. 2019. Triacantanol modulates salt stress tolerance in Cucumber by changing physiology and biochemical status of plant tissue. *J. Sci Food Agric*. (Under Revision IF, 2.00).
3. **Sarwar, M.**, S. Anjum, M.W. Alam, S. Ahmad, W. Mehboob, A. Ahmad. 2019. Triacantanol improves the salinity tolerance in Hot pepper (*Capsicum annuum* L) by amplifying phenotypic traits and alleviates the salinity-induced oxidative damages. *Journal of Plant Nutrition*. (Under review, I.F, 0.42).

4. **Sarwar, M.**, S. Anjum, W. Alam, S. Ali, S. Ahmad. 2019. Inoculation of rhizobacteria in plant growth medium to induce lead stress tolerance in Tomato (*Solanum lycopersicum* L.). Environmental Pollution (Submitted IF, 4.38).
5. Mehboob, W., M. Din, S. Afzal, **M. Sarwar**. 2019. Seed priming effects on germination metabolism, physio-chemistry and grain yield of late sown wheat crop. Polish Journal of Environmental Studies. (In press, I.F, 1.12)
6. Muhammad Waqar Alam, Abdul Rehman, Aman Ullah Malik, Muhammad Saleem Haider, Muhammad Amin, Shahbaz Ahmad, **Mubeen Sarwar**, Hafizi Rosli and Mark Lawrance Gleason. 2019. Dynamics of Stem end rot disease of Mango fruit and its management. Pakistan Journal of Agriculture Sciences. (In press, IF: 0.85)
7. **Sarwar, M.**, S Ahmad, M.B. Chattha, M. W. Alam. T. Shafeeq, M.K. Naseem, A. Manan. 2019. Assessment of growth and productivity of cucumber (*Cucumis sativus* L.) genotypes under salt stress regime. Applied Ecology and Environmental Research (In press IF: 0.68).
8. Ahmad, S., M.W.Alam, S. Majeed, M.B. Chattha, M. Shafiq, M. Khurshid, **M. Sarwar**, T. Shafeeq S, S. Salman, Q. Ali. 2019. Study of morphological and qualitative plant traits against the infestation of *Chilo Infuscatellus* L.(*Pyralidae*, *Lepidoptera*). Applied ecology and environmental research 17(3): 7057-7065. (IF: 0.68).
9. **Sarwar, M.**, M. Amjad, S. Anjum, M. W. Alam, S Ahmad, C.M. Ayyub, A. Ashraf, R. Hussain, A. Mannan, A. Ali, A. Shahid, T. Hussain. 2019. Improving the Salt stress Tolerance in Cucumber (*Cucumis sativus* L.) using by Triacantanol. Journal of Horticulture Science and Technology. 2(1): 20-26.
10. Ashraf, I., M. Zain, **M. Sarwar**, K. Y. Abbasi, M. Amin. 2019. Role of different levels of Nitrogen, Phosphorus and Potassium on growth, yield and quality attributes of bitter gourd (*Momordica charantia* L.). Food Science and Technology 7(2): 16-21.
11. Ahmad, S., M.W. Alam, **M. Sarwar**, T. Shafeeq, M. Ashfaq. 2019. Sustainable management of chilo infuscatellus (*Pyralidae lepidoptera*) by using non chemical approaches. 2019. International Journal of Biosciences. 14(3): 396-400.
12. M.W. Alam, A. Rehman , S. Ahmad , **M. Sarwar** , S. Ali , T. Shafeeq, S. Aslam , A. Mannan, and H. Rosli. 2019. First Report of *Alternaria alternata* Causing Postharvest Rot on Stored Pomegranate in Pakistan. Plant Disease. <https://doi.org/10.1094/PDIS-01-19-0173-PDN> (I.F. 2.94).
13. Alam., M.W, A. Rehman, S. Ahmad, A. Nawaz, AS. Aslam, S.Ali, **M. Sarwar**, S. Aslam, A. Mannan. 2019. First Report of *Nigrospora sphaerica* Causing Leaf Spot of

Date Palm in Pakistan. Journal of Plant Pathology. <https://doi.org/10.1007/s42161-019-00360-0>. (I.F.81).

14. Alam., M.W, A. Rehman, A.U. Malik, S. Aslam, **M. Sarwar**, S.Ali, M.A Khan, A. Hameed, S. Sarfraz. 2018. First report of *Alternaria alternata* causing postharvest fruit rot of peach in Pakistan. Journal of Plant Pathology. <https://doi.org/10.1007/s42161-018-0160-5>. (I.F. 1.00).
15. Alam., M.W, A. Bhatti, S. Ahmad, **M. Sarwar**, M.K. Naseem, M.B. Chattha, A.U. Malik, S.Ali. 2018. First report of *Botrytis cinerea* causing postharvest fruit rot on stored Pomegranate in Pakistan. Plant Disease. 103(2):374 (I.F. 2.94).
16. **Sarwar, M.**, S. Anjum, M. A. Khan, M. S. Haider, S. Ali, M. K. Naseem. 2018. Assessment of sustainable and eco-friendly agricultural substrates for eminence production of chilies for kitchen gardening. Int J Recycl Org Waste Agriculture. 7:365–374.(Springer link Y-category).
17. Ahmad, S., Haider M.U, Subhani M.N, **Sarwar M**, Naseem M.K, Mannan A, Malik A and Ali Q. 2017. Evaluating the efficacy of *trichogramma chilonis* and effect of Abiotic factors on percentage infestation of chilo partellus Swinhoe (*Pyralidae, lepidoptera*). IJBPAS, 6(12): 2537-2546. (Y-category).
18. **Sarwar, M.**, M. Amjad, C.M Ayyub. 2017. Alleviation of Salt stress in Cucumber (*Cucumis sativus* L.) through Seed Priming with Triacontanol. Int. J. Agri. Bio. 19: 771–778 (IF: 0.86)
19. **Sarwar, M.**, M. Amjad, C.M Ayyub, A. Ashraf, S. Tehseen, A. Manan, M. Butt, T. Hussain and M. A. Nawaz. 2016. Evaluation of Cucumber germplasm for salinity tolerance based on early growth attributes and leaf inorganic osmolytes. Transylvanian review. 24(11): 1077-1086.(IF: 0.03)
20. Mahboob, W., H. Rehman, S.M.A. Basra ra, I. Afzal, M. A. Abbas, M. Naeem and **M. Sarwar**. 2015. Seed Priming Improves the Performance of Late Sown Spring Maiz (*Zea mays*) through better Crop Stand and Physiological Attributes. Int. J. Agric. Biol. 17(3): 491-498 (IF: 0.86)
21. Ali, A., S.Rehman, R. Hussain, S. Raza, **M. Sarwar**, A. Bashir and M. A Khan.2014. Enhancing the vase life of tulip (*Tulipa gesneriana* l.) Using various Pulsing solutions of Humic acid and NPK. International J. Plant, Animal & Environ. Sci. 4(2): 193-200.
22. **Sarwar, M.**, S. Rehman, C.M. Ayyub, W. Ahamd, J. Shafi and K. Shafique. 2013. Modeling growth of cut flower Stock (*Matthiola incana*) in response to Differing in nutrient Level. Universal J. food & nutria. Sci. 1(1): 4-10. (Y-category).

URDU BROUCHER

1. **Mubeen Sarwar** and Dr. M. Saleem Haider 2017. “**Tunnel Farming**” Institute of Agricultural Sciences, University of the Punjab Lahore.
2. **Mubeen Sarwar** and S. Anjum. 2017. “**Zaffran ki Kashat**” Institute of Agricultural Sciences, University of the Punjab Lahore.
3. **Mubeen Sarwar** and Dr. M. Saleem Haider 2017. “Kitchen Gardening” Institute of Agricultural Sciences, University of the Punjab Lahore.
4. **Mubeen Sarwar** and Dr. M. Kaleem Naseem, Dr. Muhammad Bilal. 2017. “**Garmiyon ki sabziyon ki kashat**” Institute of Agricultural Sciences, University of the Punjab Lahore.
5. **Mubeen Sarwar** and Dr. Shahbaz Ahamd. 2017. “**Sardiyon ki sabziyon ki kashat**” Institute of Agricultural Sciences, University of the Punjab Lahore.
6. **Mubeen Sarwar**, Sumreen Anjum and Dr. M. Saleem Haider 2017. “**Kinnow ki kashat**” Institute of Agricultural Sciences, University of the Punjab Lahore.

ABSTRACT PRESENTED

1. **Sarwar, M.**, S. Anjum, M.S Haider, S. Ahmad, M.K. Naseem, M.B. Chattha, N. Subhani, A. Mannan.2018. Inoculation of rhizobacteria in plant growth medium to induce lead stress tolerance in Tomato (*Solanum lycopersicum* L.). International Horticulture Conference, PMAS, Arid Agriculture University Rawalpindi, Pakistan. April 25-27, 2018.
2. Chattha, M.B., **M. Sarwar**, S. Anjum, S. Ahmad, M.K. Naseem, A. Mannan.2018. Triacantanol improves the salinity tolerance in Hot pepper (*Capsicum annuum* L)_ by amplifying phenotypic traits and alleviate the salinity-induced oxidative damages.International Horticulture Conference, PMAS, Arid Agriculture University Rawalpindi, Pakistan. April 25-27, 2018.
3. **Sarwar, M.**, M. Amjad, C.M Ayyub, K. Ziaf, M.A. Nawaz, W. Mahboob, M. A. Khan and R. Hussain. 2016. Disparity response of cucumber (*Cucumis sativum* L.) genotypes to salinity in relation to the growth, physiological attributes, antioxidant activity, leaf inorganic osmolytes and organic solute. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur.Pakistan, December, 19-21.
4. **Sarwar, M.**, M. Amjad, C.M Ayyub, K. Ziaf M.A. Nawaz, W. Mahboob, R. Hussain, M. R. Shaheen, S. Tehseen and Z. Mustafa. 2016. Improving the salt stress tolerance in cucumber (*Cucumis sativus* L.) using Triacantanol. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur. Pakistan, December, 19-21.

5. **Sarwar, M.**, M. Amjad, C.M Ayyub and R. Ahmad. 2016. Evaluation of Cucumber germplasm for salinity tolerance based on early growth attributes and leaf inorganic osmolytes. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur.Pakistan, December, 19-21.
6. Ayyub, C.M., R. Hussain, F. Shahzad, **M. Sarwar**, N. Akhter, A. Shahid and M.A. Nawaz. 2016. Response of Carrot cultivars against different levels of salinity. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur.Pakistan, December, 19-21.
7. Ayyub, C.M., R. Hussain, **M. Sarwar**, A.A. Mehboob, A. Raza, M. W. Raza and T. Hussain. 2016. Exogenous application of salicylic acid for improvement of salt tolerance in Cucumber. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur. Pakistan, December, 19-21.
8. Ayyub, C.M., R. Hussain, **M. Sarwar**, N. M. Khokhar, H. Faiz and A. Shahid. 2016. Characterization of various sponge gourd (*Luffa cylindrical* L.) cultivars under saline conditions. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur. Pakistan, December, 19-21.
9. Ayyub, C.M., M.R. Shaheen, R. Hussain, **M. Sarwar**, H. Faiz, Z.N. Azam and A. Raza. 2016. Alleviating the toxic effects of salinity in Spinach by foliar application of iron and zinc. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur. Pakistan, December, 19-21.
10. Tehseen, S., C. M. Ayyub, M. Amjad, R. Ahmad, **M. Sarwar**, R. Sadiq, M. Naseer. 2016. Impact of combined application of spermidine and calcium on some biochemical functions and antioxidant enzymatic activities of *Capsicum annuum* L. under salinity stress. Presented at the Ist International Salinity Conference. Islamia University, Bahawalpur. Pakistan, December, 19-21.

POSTER PRESENTATION

1. **Sarwar, M.**, M. Amjad, C.M Ayyub, K. Ziaf, M. A. Nawaz, R. Hussain, W. Mahboob, L. Ali and J. Riaz. 2016. Alleviation of Salt stress in Cucumber (*Cucumis sativus* L.) through Seed Priming with Triacntanol. Presented at 2nd Seed Congress, Pakistan. University of Agriculture, Faisalabad.Pakistan, November, 18-19.
2. Ali, L., M. Khalid, M. Aown Abbas, **M. Sarwar** and M. Naveed. 2016. Evaluation of biochar for improving germination and early growth of maize (*Zea mays* L.) seedlings. Presented at 2nd Seed Congress, Pakistan. University of Agriculture, Faisalabad. Pakistan, November, 18-19.

PROFESSIONAL TRAININGS

1. Training Course on “**Biochemical and Molecular Techniques in Plant Breeding**” October 18-28, 2016, Organized by Nuclear Institute for Agriculture and Biology, Pakistan Atomic Energy Commission.
2. Training Course on “**Modern Techniques in Research on Abiotic Stress Tolerance in Plants**” March 10-13, 2015, Organized by Nuclear Institute for Agriculture and Biology, Pakistan Atomic Energy Commission.
3. Training Course on “**Tunnel Technology**” during 05-03- 2011 to 11-03-2011. Organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
4. Training Course on “**Advanced Landscape Techniques**” during 27-04- 2009 to 03-05-2009. Organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad.
5. Training Course on “**Sericulture**” during 16-02- 2009 to 16-03-2009. Organized by Division of Education & Extension, University of Agriculture, Faisalabad.
6. Training Course on “**Allelopathy for Corps**” during 16-12- 2008 to 20-12-2008. Organized by Division of Education & Extension, University of Agriculture, Faisalabad.
7. Training Course on “**Mushroom Cultivation**” during 01-08- 2008 to 15-08-2008. Organized by Division of Education & Extension, University of Agriculture, Faisalabad.
8. Diploma on “**Computer Operating**” Course Duration 3 Month in 2006. Galaxy Computer College and Technical Centre, Okara.

WORKSHOPS/CONFERENCES

- **Chief organizer** of One day National Seminar on “**3rd Kitchen Gardening and seed Distribution**” Sep 27, 2018. At Institute of Agricultural Sciences, University of the Punjab Lahore.
- Participate an International Workshop on “**Phytotechnologies for Environmental Cleanup**” May 8th & 9th, 2018. Organized by Institute of Environmental Sciences & Engineering, National University of Science and Technology, Islamabad.
- Member of the organizing committee of National seminar on “**Future Outlook & Challenges for the sustainable Management of Insect Pest: Progress & Prospects**” May 2nd, 2018. Organized by Institute of Agricultural Sciences, University of the Punjab Lahore.

- Member of the organizing committee of International seminar on “**Resource Conservation for Sustainable Agriculture and Food Security**” April 19, 2018. Organized by Institute of Agricultural Sciences, University of the Punjab Lahore.
- Chief Organizer of **Iqbal day Celebrations 2017**. Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan. 09 November 2017
- **Chief organizer** of One day National Seminar on “**Kitchen Gardening and seed Distribution**” Sep 21, 2017. At Institute of Agricultural Sciences, University of the Punjab Lahore.
- Member of the organizing committee of International seminar on “**Prospects of Agricultural Research (Current & Future)**” Aug 23, 2017. Organized by Institute of Agricultural Sciences, University of the Punjab Lahore.
- Attend **2nd seed congress Pakistan**. 2016. Organized by department of agronomy. University of Agriculture, Faisalabad. November, 18-19.
- Attended one day Seminar on **Global G.A.P**, at 30 May, 2015. Organized by Pakistan Society of Horticultural Sciences, Institute of Horticultural Sciences. University of Agriculture, Faisalabad.
- International workshop on "**Biochar for climate friendly Agriculture**" held March 24-27, 2014. Organized by Department of Agronomy, University of Agriculture, Faisalabad.
- International conference on “**Emerging Horizon of Agri-Extension for sustainable Rural Development**”. Held 27-28 Feb, 2014. Organized by Institute of Agricultural Extension and Rural Development, University of Agriculture, Faisalabad.
- Workshop on “**Molecular Techniques for Breeding in Horticultural and Agronomic Crops**” 30 Sep to 2 Oct, 2013 Organized by Institute of Horticultural Sciences & Office of Research, Innovation & Commercialization, University of Agriculture, Faisalabad.
- 13th Congress of Soil Science on “**Efficient Resource Management for Sustainable Agriculture**” Held 24 to 27 March 2010. Organized by Institute of Soil Sciences, University of Agriculture, Faisalabad.
- Participation in three days’ workshop on “**Performing Arts**” Organized by Career Development Centre and The Art Club, University of agriculture, Faisalabad.
- National conference on “**Agriculture, Trade and Development under two Regime**” Held April, 2008. Organized by Faculty of Agri Economics and rural sociology, University of Agriculture, Faisalabad.
- International Symposium on **Prospects of Horticultural Industry in Pakistan**, Them: Future Challenges & Production Prospects. Held 28 to 30 March 2007. Organized by Institute of Horticultural Sciences, University of Agriculture, Faisalabad.

TECHNICAL SKILLS

- ❖ IRGA
- ❖ Water relations
- ❖ Flame-photometer
- ❖ Spectrophotometer
- ❖ PCR
- ❖ Electrogelphoresis

CO-CURRICULAR/HONORS & AWARDS

- Member of **The Art Club, University of Agriculture Faisalabad** (2008-10)
- Member of Pakistan society of Horticulture, University of Agriculture Faisalabad, Pakistan.
- Member of **Agrarian Society**, Faculty of Agriculture, University of Agriculture, Faisalabad.
- **Convener of Hostel Management Committee** of Sir Syed Hall, University of Agriculture, Faisalabad.
- Participate in Sports Festival Gala of 2010.Organized by Pakistan Society of Horticultural Sciences, University of Agriculture, Faisalabad.
- Certificate Awarded on Outstanding Performance at Pakistan Day Celebration 23rd March 2008.
- Certificate Awarded on Outstanding Performance at Pakistan Day Celebration 23rd March 2011.
- Certificate Awarded on Outstanding Performance at Pakistan Day Celebration 23rd March 2012.
- Certificate Awarded on outstanding Contributions on Golden jubilee celebration of University agriculture, Faisalabad 13-20 March, 2011.
- Certificate Awarded with a laptop on the basis of merit by Govt. of Punjab, Pakistan.
- Teaching Gardening and Farming

MEMBERSHIP OF SCEINTIFIC SOCITIES

- Member of **American Society for Horticultural Science, USA** (2018-2019).

COUNTRY VISITED

- **Saudi Arabia**
- **United State of America**

COMPUTER SKILLS

- Office Management
- Computer Hardware and Software
- Urdu In page

- Statistics Software's

LANGUAGES

Punjabi - Urdu – English

REFERENCES

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