

Dr. Summar A. Naqvi

Associate Professor

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1. EDUCATION:

Degree	Subject	Year	Institute
PhD	Horticulture	2008-2015	Split degree: Institute of Research and Development (Montpellier)-France (Research work)+ University of Agriculture, Faisalabad 38040-Pakistan (Course work)
M.Sc. (Hons.)	Horticulture	2006-2008	University of Agriculture, Faisalabad 38040-Pakistan
B.Sc. (Hons.)	Agriculture	2002-2006	University of Agriculture, Faisalabad 38040-Pakistan
F. Sc.	Pre-medical	2000-2002	Board of Intermediate & Secondary Education, Dera Ghazi Khan, Punjab, Pakistan
Matriculation	Science	1998-2000	Board of Intermediate & Secondary Education, Dera Ghazi Khan, Punjab, Pakistan

PhD thesis:

Date palm diversity in Pakistan & its relationship with world dates germplasm for exploring the center of origin of *Phoenix dactylifera* L.

Supervisor: Dr. Iqrar A. Khan, Professor Emeritus/Vice Chancellor, University of Agriculture Faisalabad, Pakistan

Co-Supervisor: Dr. Jean Christophe Pintaud (Late), Incharge Palm Program, Institute of Research & Development (IRD), Montpellier – France

2. PROFESSIONAL EXPERIENCE (Teaching & Research: 13 Y/6 M & Managerial: 12 Y)

2.1. TEACHING EXPERIENCE:

Duration	Experience	Employer
June 2022 to date	Associate Professor	Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Pakistan).
Feb. 2016 to June 2022	Assistant Professor	Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Pakistan).
Dec 2011 – Feb. 2016	Lecturer	-do-

2.2. RESEARCH FELLOW/INTERNEE EXPERIENCE:

Duration	Experience	Project	Employer
May 2009 to June 2011	Research Fellow (DPL)	Documentation of Traditional Agricultural Knowledge and Technologies in Punjab, Pakistan	Endowment Fund Secretariat (EFS), University of Agriculture, Faisalabad (Pakistan).
May 2007 to August 2007	Research Fellow	Citrus Sanitation Nursery Project	Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Pakistan).
October, 2007 to May, 2008	Volunteer Trainee	Increasing Citrus Production in Pakistan & Australia through improved orchard management techniques	Institute of Horticultural Sciences, University of Agriculture, Faisalabad (Pakistan).
February, 2006 to May 2006	Internee	Internship in Fruit Crop & Orchard Management	Horticulture Research Institute (HRI), Ayub Agricultural Research Institute (AARI), Faisalabad.

2.3. MANAGERIAL/CONSULTANT/EXTENSION EXPERIENCE:

Duration	Experience	Employer	Responsibilities
09-01-2024 to date	Horticulture Consultant	Samsons Agri Farms, Muzaffargarh	<ul style="list-style-type: none">Plants selectionSustainability checkOrchard establishment (single or multi-storied)Orchard Maintenance by efficient agronomic practicesPest/Disease managementPlanning and maintenance of drip irrigation systemMonitoring dates drying and marketing Assign task to the workers.

10-08-2023 to 11-11-2023	Director Students Affairs (look after charge)	University of Agriculture, Faisalabad.	Students counselling
26-04-2023 to 28-04-2023	Director Students Affairs (look after charge)	University of Agriculture, Faisalabad.	Students counselling
17-11-2022 to 18-11-2022	Director Students Affairs (look after charge)	University of Agriculture, Faisalabad.	Students counselling
Sep 2021 to date	Associate Director Students Affairs	University of Agriculture, Faisalabad.	Students counselling
10-06-2021 to date	Member Board of Governors	Date Palm Research Institute (DPRI), Shah Abdul Latif University, Khairpur.	<ul style="list-style-type: none"> • Policy making • Guidance and Monitoring date palm tissue culture activities in DPRI
2011 to 2021	Date Palm Farm Consultant	Qureshi Farm, Dera Ghazi Khan-Punjab	<ul style="list-style-type: none"> • Plants selection • Date palm Orchard establishment (single or multi-storied) • Orchard Maintenance by efficient agronomic practices • Pest/Disease management • Planning and maintenance of drip irrigation system • Monitoring dates drying and marketing • Assign task to the workers.
2016 to 2019	Date Palm Farm Consultant	BHB LTD., Makran-Balochistan	<ul style="list-style-type: none"> • Planning & execution of new date palm orchard • Capacity building of date growers • Capacity building dates processors/retailers
2017-2018	PI, Date Palm Expert – R&D Project	Department of Cooperatives, Government of Punjab, Pakistan	<ul style="list-style-type: none"> • Introducing world elite tissue culture (TC) derived date palm varieties i.e. Medjool, Ajwa, Anbrah, Khalas, Barhi • Procurement of TC plantlets from DPD, UK and Al-Wathba, Abu Dhabi • Acclimatization of torpedo plants • Develop a package of after transplanting care of TC plants • Nurseries establishment and monitoring of TC derived date palm plants at farmer's field building dates processors/retailers
2017-2018	Incharge Date Palm Orchard & GPU and Co-Incharge, Post-Graduate Agriculture Research Station (PARS)	Institute of Horticultural Sciences, University of Agriculture, Faisalabad.	<ul style="list-style-type: none"> • Planning & installation of new date palm orchard • Planning & execution of research projects for under & postgraduate students • Maintenance of established orchards Capacity building of date growers
2011-2019	Manager, Experimental Fruit Garden Sq. No. 32	Institute of Horticultural Sciences, University of Agriculture, Faisalabad.	<ul style="list-style-type: none"> • Prepare and plan projects like greenhouse and improve the land for cultivation.

			<ul style="list-style-type: none"> • Monitor ploughing, disking, cultivation & maintenance. • Collection of germplasm of horticultural fruit trees i.e. date palm, citrus, mango, olive, ber • Conservation and maintenance of germplasm • Responsible for maintaining hand tools and field equipment • Evaluate and verify the performance of employees. • Supervise and order tools and equipment. • Assign task to the workers.
2011-2013	Manager, Experimental Fruit Orchard. No. 9	-do-	<ul style="list-style-type: none"> • Prepare and plan projects to improve the land for cultivation. • Monitor ploughing, disking, cultivation & maintenance. • Responsible for maintaining hand tools and field equipment • Evaluate and verify the performance of employees. • Supervise and order tools and equipment. • Assign task to the workers.
2011-2012	Manager, Fruit Plant Nursery	-do-	<ul style="list-style-type: none"> • Establishment and maintenance of healthy containerized fruit plant nursery including Citrus, Mango, Ber, Guava, Falsa etc. • Maintenance of Citrus Rootstock/Scion Block • Look after sales and services of fruit plant nursery • Assign task to the workers.

3. RESEARCH AND DEVELOPMENT

I. Research Articles:

1. Waseem, M., S.A. Naqvi, M.J. Jaskani and F.S. Awan. 2024. Characterization of date palm (*Phoenix dactylifera* L.) cultivars in Kech, Balochistan-Pakistan: Antioxidant properties, phytochemical profiling and mineral composition. *Genetic Resources & Crop Evolution*. (<https://doi.org/10.1007/s10722-024-02273-z>).
2. Saqib, M., U. Shahzad, M.J. Jaskani, M. Hameed, M. Nafees, M. Shahjahan and S.A. Naqvi. 2024. Effects of Climate and Soil on Morphological Diversity of *Moringa Oleifera* Germplasm in Punjab Pakistan. *Genetic Resources & Crop Evolution*. (<https://doi.org/10.1007/s10722-024-02266-y>).
3. Uddin, S., M.J. Jaskani, Z. Deng, R. Maqbool, **S.A. Naqvi**, S. Parajuli, N. Sharif, A.R. Saleem, S. Ledon and S. Ikram. 2024. Phenotypic and molecular-markers-based assessment of jamun (*Syzygium cumini*) genotypes from Pakistan. *Horticulturae*. 10:879.

4. Saffar, W., H. Bourguiba, E. Cherif, N. Chabrilange, A. Hachef, S. Ivorra, S. Moussini, **S.A. Naqvi**, C. Littardi and O. Zango. [2022](#). Towards the identification of wild African date palms in Kerkennah Islands, from Tunisia by morphometric and genetic analyses. *Scientia Horticulturae*. 297:110973.
5. Haider, M.S., T.M.M. Sheikh, S. Jiu, M. Aleem, W. Shafqat, K. Shoukat, N. Khan, M.J. Jaskani, **S.A. Naqvi** and S. Ercisli. [2022](#). Genome-wide identification of strawberry metal tolerance proteins and their expression under cadmium toxicity. *Horticulturae*. 8:477-490.
6. Safdar, M., **S.A. Naqvi**, F. Anjum, I. Pasha, M. Shahid, Waliullah, M.J. Jaskani, I.A. Khan and R.M. Aadil. [2021](#). Microbial biofilm inhibition, antioxidants, and chemical fingerprints of Afghan pomegranate peel extract documented by gas chromatography–mass spectrometry and fourier transformation infrared. *Journal of Food Processing and Preservation*. 45:e15657.
7. Waliullah, **S.A. Naqvi**, M. Asif, M. Waseem, T.A. Naqvi, M. Nagri, U. Shahzad, M.J. Jaskani and M.M. Khan. [2021](#). Fruit characteristics based diversity in pomegranate accessions of Afghanistan. *Pakistan Journal of Agricultural Sciences*. 58:19-25.
8. Shareef, H.J., A.S. Alhamd, **S.A. Naqvi** and M.A. Eissa. [2021](#). Adapting date palm offshoots to long-term irrigation using groundwater in sandy soil. *Folia Oecologica*. 48:55-62.
9. Ahmad, A., **S.A. Naqvi**, M.J. Jaskani, M. Waseem, E. Ali, I.A. Khan, M. Faisal Manzoor, A. Siddeeg and R.M. Aadil. [2021](#). Efficient utilization of date palm waste for the bioethanol production through *saccharomyces cerevisiae* strain. *Food Science & Nutrition*. 9:2066-2074.
10. Waseem, M., **S.A. Naqvi**, M.S. Haider, M. Shahid, M.J. Jaskani, I.A. Khan and H. Abbas. [2021](#). Antioxidant activity, sugar quantification, phytochemical and physical profiling of apricot varieties of Chitral and gilgit-pakistan. *Pakistan Journal of Botany*. 53:1-9.
11. Jahan, M., U. Shazad, **S.A. Naqvi**, I. Tahir, T. Abbas and M. Iqbal. [2020](#). Effects of mesorhizobium ciceri and biochar on the growth, nodulation and antifungal activity against root pathogenic fungi in chickpea (*cicer arietinum* l.). *Journal of Plant Pathology & Microbiology*. 11:520-527.
12. Shafqat, W., M.J. Jaskani, R. Maqbool, A.S. Khan, **S.A. Naqvi**, Z. Ali and I.A. Khan. [2020](#). Genome wide analysis of citrus sinensis heat shock proteins. *Iranian Journal of Biotechnology*. 18:29-38.
13. Iqbal, M., **S.A. Naqvi**, I.A. Khan, M.J. Jaskani, M. Waseem and M.A. Ahsen. [2020](#). Effect of solar drying techniques on biochemical characteristics of dhakki dates. *Journal of Environmental & Agricultural Sciences*. 22:26-32.
14. Shafqat, W., M.J. Jaskani, R. Maqbool, A.S. Khan, **S.A. Naqvi**, Z. Ali and I.A. Khan. [2020](#). Genome wide analysis of citrus sinensis heat shock proteins. *Iranian Journal of Biotechnology*. 18:29-38.
15. Ud Din, S., M.J. Jaskani, **S.A. Naqvi** and F.S. Awan. [2020](#). Diversity and divergence in domesticated and wild jamun (*Syzygium cumini*) genotypes of Pakistan. *Scientia horticulturae*. 273:109617.
16. Ali, T., M. Nafees, A. Maqsood, **S.A. Naqvi**, U. Shahzad, M.S. Haider, M.N. Aslam, W. Shafqat, M. Hameed and I.A. Khan. [2020](#). Contribution of root anatomical characteristics in fruit profile of pomegranate genotypes to expand production area in Pakistan. *Agronomy*. 10:810.
17. Gros-Balthazard, M., V. Battesti, S. Ivorra, L. Paradis, F. Aberlenc, O. Zango, S. Zehdi-Azouzi, S. Moussouni, **S.A. Naqvi** and C. Newton. [2020](#). On the necessity of combining ethnobotany and genetics to assess agrobiodiversity and its evolution in crops: A case study on date palms (*Phoenix dactylifera* l.) in Siwa Oasis, Egypt. *Evolutionary Applications*. 13:1818-1840.
18. Raza, M.K., M.J. Jaskani, **S.A. Naqvi** and F.S. Awan. [2020](#). Exploitation of phenotypic diversity in male accessions of date palm (*Phoenix dactylifera*) and its use in germplasm conservation. *International Journal of Agriculture & Biology*. 24:133-144.
19. Manzoor, M., J.N. Ahmad, S. Ahmad, **S.A. Naqvi**, R. Rasheed and M.S. Haider. [2020](#). Population dynamics, abundance and infestation of the red palm weevil, *Rhynchophorus ferrugineus* (Olivier) in different geographical regions of date palm in Pakistan. *Pakistan Journal of Agricultural Sciences*. 57:381-391.
20. Abbas, M.M., H. Faiz, M.M. Aziz, S. Rashid, J. Iqbal and **S.A. Naqvi**. [2019](#). Enhancing seed germination through pre-sowing treatment in date palm (*Phoenix dactylifera*) cultivars. *International Journal of Biosciences*. 14:16-23.

21. Shahzad, U., T. Shahbaz, A. Khan, Z. Hassan, **S.A. Naqvi**, M. Iqbal, T. Abbas and M. Shahjahan. 2019. Effects of auxin (iba) concentrations with different dipping time on root ability of grape cuttings (*Vitis vinifera*). The International Journal of Science & Technoledge. 7:45-48.
22. Ahsen, M.A., **S.A. Naqvi**, M.J. Jaskani, M. Waseem, I.A. Khan, K. Hussnain, K. Mahmood and M.M. Khan. 2019. Evaluation of exotic citrus rootstocks against *Fusarium* spp. Journal of Global Innovations in Agricultural and Social Sciences. 7:151-156.
23. Sharif, N., M.J. Jaskani, **S.A. Naqvi** and F.S. Awan. 2019. Exploitation of diversity in domesticated and wild ber (*Ziziphus mauritiana* lam.) germplasm for conservation and breeding in Pakistan. Scientia Horticulturae. 249:228-239.
24. Nafees, M., M.J. Jaskani, **S.A. Naqvi**, M.S. Haider and I.A. Khan. 2018. Evaluation of elite pomegranate genotypes of Balochistan based on morphological, biochemical and molecular traits. International Journal of Agriculture & Biology. 20:1405-1412.
25. Haider, M.S., I.A. Khan, M.J. Jaskani, **S.A. Naqvi**, S. Mateen, U. Shahzad and H. Abbas. 2018. Pomological and biochemical profiling of date fruits (*Phoenix dactylifera* l.) during different fruit maturation phases. Pakistan Journal of Botany. 50:1069-1076.
26. Shahzad, U., M.J. Jaskani, F.S. Awan, M. Shahjahan, **S.A. Naqvi** and A. Wasaya. 2018. Genetic divergence of *Moringa oleifera*, economically important, yet an endangered species from Pakistan. International Journal of Agriculture & Biology. 20:1497-1504.
27. Zango, O., E. Cherif, N. Chabrilange, S. Zehdi-Azouzi, M. Gros-Balthazard, **S.A. Naqvi**, A. Lemansour, H. Rey, Y. Bakasso and F. Aberlenc. 2017. Genetic diversity of southeastern Nigerian date palms reveals a secondary structure within western populations. Tree Genetics & Genomes. 13:1-11.
28. Qadri, R., S. Waheed, M. Haider, I. Khan, **S.A. Naqvi**, M. Bashir and M. Khan. 2016. Physicochemical characterization of fruit of different date palm (*Phoenix dactylifera* l.) varieties grown in Pakistan. The Journal of Animal & Plant Sciences. 5:1268-1277.
29. Zehdi, S., E. Cherif, M. Gros-Balthazard, **S.A. Naqvi**, B. Ludeña, N. Chabrilange, S. Abdoukader, A. Daher, N. Bouguedoura, S. Moussouni, F. Si-Dehbi, J.F. Terral, S. Santoni, M. Ballardini, A. Mercuri, M. Bensalah, K. Kadri, A. Othmani, C. Littardi, A. Salhi-Hannachi, J.C. Pintaud, and F. Aberlenc-Bertossi. 2016. Genetic structure of the date palm (*Phoenix dactylifera* L.) in the Old World reveals a strong differentiation between eastern and western populations. Annals of Botany. 116:101-112.
30. **Naqvi, S.A.**, I.A. Khan, J.C. Pintaud, M.J. Jaskani, and A. Ali. 2015. Morphological characterization of Pakistani date palm (*Phoenix dactylifera* L.) genotypes. Pakistan Journal of Agricultural Sciences. 52:645-650.
31. Haider, M.S., I.A. Khan, M.J. Jaskani, **S.A. Naqvi**, M. Hameed, M. Azam, A.A. Khan, and J.C. Pintaud. 2015. Assessment of morphological attributes of date palm accessions of diverse agro-ecological origin. Pakistan Journal of Botany. 47:1143-1151.
32. Maryam, M., M.J. Jaskani, B. Fatima, M.S. Haider, **S.A. Naqvi**, M. Nafees, R. Ahmad, and I.A. Khan. 2015. Evaluation of pollen viability in date palm cultivars under different storage temperatures. Pakistan Journal of Botany. 47:377-381.
33. **Naqvi, S.A.**, M.M. Khan, M.J. Jaskani, K. Mahmood, S.M.A. Basra, K. Husnain, and I.A. Khan. 2015. Possible role of mucilage in desiccation and germination of citrus rootstock seeds. Pakistan Journal of Agricultural Sciences. 52:93-96.
34. Naveed, K., M.A. Khan, M.S. Baloch, M. Arif, **S.A. Naqvi**, J. Khan, and S. Ali. 2015. Early planting date can compensate the reduction in wheat yield due to fodder cutting in dual purpose wheat. Pakistan Journal of Agricultural Sciences. 52:469-477.
35. Haider, M.S., I.A. Khan, **S.A. Naqvi**, M.J. Jaskani, M. Shahid, and E.G. Ahmed. 2014. Flesh and fiber characterization at three different edible stages of date fruit development. International Journal of Food and Nutritional Sciences. 3:16-22.
36. Haider, M.S., I.A. Khan, M.J. Jaskani, **S.A. Naqvi**, and M.M. Khan. 2014. Biochemical attributes of dates at

- three maturation stages. *Emirates Journal of Food & Agriculture*. 26:953-962.
37. Ballardini, M., A. Mercuri, C. Littardi, **S.A. Naqvi**, M. Couderc, B. Ludeña, and J.C. Pintaud. 2013. The chloroplast DNA locus psbZ-trnfM as a potential barcode marker in *Phoenix* L. (Arecaceae). *ZooKeys*. 365:71-82.
 38. Haider, M.S., I.A. Khan, **S.A. Naqvi**, M.J. Jaskani, R.W. Khan, M. Nafees, Maryam, and I. Pasha. 2013. Fruit developmental stages effects on biochemical attributes in date palm. *Pakistan Journal of Agricultural Sciences*. 50:577-583.
 39. Iftikhar, Y., M. Shahid, M.A. Khan, and **S.A. Naqvi**. 2012. Protein analysis of stem bark from three citrus varieties infected with citrus tristeza virus in Pakistan. *Pakistan Journal of Phytopathology*. 24:167-169.
 40. Khan, M.M., M. Iqbal, M.A. Hanif, M.S. Mahemood, **S.A. Naqvi**, M. Shahid, and M.J. Jaskani. 2012. Antioxidant and antipathogenic activities of citrus peel oils. *Journal of Essential Oil Bearing Plants*. 15:972-979.
 41. **Naqvi, S.A.**, M. M. Khan, M. Shahid, M. J. Jaskani, Iqrar A. Khan, M. Zober and K. M. Zia. 2011. Biochemical Profiling of Mucilage Extracted from Seeds of Different Citrus Rootstocks. *Carbohydrate Polymers* 83: 623-628
 42. Iftikhar, Y., S.M. Mughal, M.M. Khan, M.A. Khan, A. Batool, **S.A. Naqvi** and SamiUllah. 2011. Some Biochemical Changes in Tristeza Infected Citrus Trees in Pakistan. *International Journal of Science and Nature* 2: 621-624

II. Review Articles:

1. Hussain, M.I., S. Danish, **S.A. Naqvi**, M.J. Jaskani, M.A. Asghar, I.A. Khan, M. Munir and A. Muscolo. 2024. Physiological, biochemical, and comparative genome analysis of salt and drought stress impact on date palm (*Phoenix dactylifera* L.): Tolerance mechanism and management. *Plant Growth Regulation*. 1-23.
2. Shehzad, M., H. Rasheed, **S.A. Naqvi**, J.M. Al-Khayri, J.M. Lorenzo, M.A. Alaghbari, M.F. Manzoor and R.M. Aadil. 2021. Therapeutic potential of date palm against human infertility: A review. *Metabolites*. 11:408-427.
3. Younas, A., **S.A. Naqvi**, M.R. Khan, M.A. Shabbir, M.A. Jatoi, F. Anwar, M. Inam-Ur-Raheem, N. Saari and R.M. Aadil. 2020. Functional food and nutra-pharmaceutical perspectives of date (*Phoenix dactylifera* L.) fruit. *Journal of Food Biochemistry*. 44:e13332.

III. Conferences/Proceedings papers:

1. Khan, M.M., M.J. Jaskani, M. Tauhid Iqbal, **S.A. Naqvi** and I.A. Khan. Production of disease free citrus nursery plants through sanitation techniques: a progress report. In: M.M. Khan *et al.* (Eds.), Sep. 12-13, 2007, pp. 13-28.
2. Khan, M.M., Y. Iftikhar, M. Abbas, **S.A. Naqvi**, M. Tauhid Iqbal and I.A. Khan. Disease free citrus nursery production system. In: M.M. Khan *et al.* (Eds.), Sep. 12-13, 2007, pp. 29-35.

IV. Book Chapters:

1. **Naqvi, S.A.**, M. Waseem, T.A. Naqvi, M.J. Jaskani, and I.A. Khan. 2023. Germplasm Genetic Diversity, Conservation and Utilization. In: Jameel M. Al-Khayri, S. Mohan Jain, Dennis V. Johnson, and R.R. Krueger (eds.), *Date Palm*. CABI. pp. 65-89.

2. Al-Yahyai, R., M.M. Khan, and **S.A. Naqvi**. 2023. Date Palm Plantation Establishment and Maintenance. In: Jameel M. Al-Khayri, S. Mohan Jain, Dennis V. Johnson, and R.R. Krueger (eds.), Date Palm. CABI. pp. 179-208.
3. Khan, R.R., I. Ul Haq, and **S.A. Naqvi**. 2023. Pest and Disease Management. In: Jameel M. Al-Khayri, S. Mohan Jain, Dennis V. Johnson, and R.R. Krueger (eds.), Date Palm. CABI. pp. 297-338.
4. M.S. Haider, W. Shafqat, M.J. Jaskani, **S.A. Naqvi**, and I.A. Khan. 2023. Grapes Cultivation for Climate Change Resilience. In: Adel Ahmed Abul-Soad and Jameel M. Al-Khayri (eds.), Cultivation for Climate Change Resilience: Temperate Fruit Vol 2. CRC Press, Taylor & Francis Group. pp. 170-193.
5. **Naqvi, S.A.**, W. Shafqat, M.S. Haider, F. Awan, I.A. Khan, and M.J. Jaskani. 2021. Gender Determination of Date Palm. In: Jameel M. Al-Khayri, S. Mohan Jain, and Dennis V. Johnson (eds.), Volume 1: The Date Palm Genome. Compendium Plant Genome, Springer Nature Switzerland AG. pp. 161-177.
6. Shafqat, W., **S.A. Naqvi**, R. Maqbool, M. Haider, M.J. Jaskani, and I.A. Khan. 2021. Climate Change and Citrus. Intech Open: Web of Science Publishers. pp. 1-22.
7. Maryam, M.J. Jaskani, and **S.A. Naqvi**. 2016. Date Palm Pollen Storage and Viability. In: Jameel M. Al-Khayri, S. Mohan Jain, and Dennis V. Johnson (eds.), Volume 2: Germplasm Conservation and Molecular Breeding: Date Palm Biotechnology Protocols. Humana Press, Springer Nature, USA. pp. 3-14.
8. Qasim, M. and **S.A. Naqvi**. 2012. Dates: A Fruit from Heaven. In: A. Manickavasagan, M. Mohamad Essa, and E. Sukumar (eds.), Dates: Production, Processing, Food & Medicinal Values. CRC Press, USA. pp. 341-350.

V. Reports:

1. Kousar, R., J. Nasir, and **S.A. Naqvi**. 2019. Policy Perspectives Regarding Value Chain and Marketing Issues of Apricot and Apple. Final Report of PARB-CAS Project No. 967. University of Agriculture, Faisalabad.
2. Khan, I.A., Z. Iqbal, **S.A. Naqvi**, M.A. Saifee, and Z.-U. Haq. 2010. First Year Progress Report on Documentation of Traditional Agricultural Knowledge and Technologies in Punjab-Pakistan. Endowment Fund Secretariat, University of Agriculture, Faisalabad, Pakistan.
3. **Naqvi, S.A.**, M. Alvi, M.J. Jaskani, and Z. Ahmad. 2015-2016. 2nd Year Progress Report on Establishment of Date Palm Germplasm Unit. Endowment Fund Secretariat, University of Agriculture, Faisalabad, Pakistan.
4. Establishment of a Modern Citrus Nursery of Certified Plants through Sanitation Techniques. Final Report of Project.

VI. Abstracts:

1. Safdar, M., **S.A. Naqvi**, M.J. Jaskani, I.A. Khan, W. Ullah, I. Pasha, M. Shahid, and A. Hanif. 2018. Phytochemical Screening and Antimicrobial Evaluation of Pomegranate Peel Extract. Abstracts Book ICBBB-2018, December 09-11, 2018, University of Agriculture, Faisalabad, Pakistan. pp. 130.
2. Waseem, M., **S.A. Naqvi**, M.J. Jaskani, M. Shahid, H. Fatima, and I.A. Khan. 2018. The Physiochemical Composition of Date Palm Fruits at Three Different Edible Stages. Abstracts Book ICBBB-2018, December 09-11, 2018, University of Agriculture, Faisalabad, Pakistan. pp. 239."
3. Raza, M.K., M.J. Jaskani, **S.A. Naqvi**, N. Sharif, and I.A. Khan. 2018. Morphological Variability of Date Palm Male Trees. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 3.
4. Sharif, N., M.J. Jaskani, **S.A. Naqvi**, M.K. Raza, and I.A. Khan. 2018. Evaluation of Pakistani Ber (*Ziziphus mauritiana* Lam.) Genotypes Based on Morphological and Biochemical Traits. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 4.

5. Safdar, M., **S.A. Naqvi**, M.J. Jaskani, I.A. Khan, I. Pasha, M. Shahid, and A. Hanif. **2018**. GC-MS and FT-IR Analysis of Phytochemical and Organic Compound of Pomegranate Peel Extract. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 6.
6. Qureshi, M.A., M.J. Jaskani, A.S. Khan, **S.A. Naqvi**, and I.A. Khan. **2018**. Effect of Exotic Rootstocks on Physico-Chemical Attributes of Kinnow Mandarin. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 32.
7. Din, S.U., M.J. Jaskani, **S.A. Naqvi**, and I.A. Khan. **2018**. Physical and Biochemical Characterization of Jamun Germplasm. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 35.
8. Ahsen, M.A., **S.A. Naqvi**, M.J. Jaskani, M. Waseem, I.A. Khan, and I. Ul Haq. **2018**. Screening of Exotic Citrus Rootstocks Against Fusarium Spp. 1st Annual Postgraduate Students Research Symposium, December 4, 2018. pp. 36.
9. Ahmad, J.N., M. Manzoor, S.T. Ahmad, M. Jafir, I. Ahuja, A. Bones, **S.A. Naqvi**, and I.A. Khan. **2017**. Molecular Detection, Characterization and Biological Evaluation of Red Palm Weevil (*Rhynchophorus ferrugineus*) Associated Fungal Entomopathogen (*Metarhizium anisopliae*) from Pakistan. Presented in San Diego, California, USA (August 13-17, 2017).
10. Ahmad, J.N., M. Manzoor, S.T. Ahmad, M.J. Arif, I.A. Khan, **S.A. Naqvi**, and R.M. Giblin Davis. **2017**. Silencing of CYP450 Gene Through RNAi Enhances the Susceptibility and Mortality in Red Palm Weevil (RPW) (*Rhynchophorus ferrugineus*). 1st International Conference of Biotechnology held in Lahore Garrison University, Lahore (October 11-12, 2017).
11. **Naqvi, S.A.**, M.M. Khan, M. Shahid, M.J. Jaskani, T. Iqbal, and I. Ahmad. **2008**. Proximate Composition of Seed Mucilage in Citrus Rootstocks. 1st International Seminar on Medicinal Plants: Isolation and Application, May 21-23, 2008. pp. 60.
12. **Naqvi, S.A.**, M.M. Khan, M. Shahid, and M.J. Jaskani. **2008**. Unveiling of Mucilage Extracted from Seeds of Different Citrus Rootstocks. 9th Biennial Conference of Pakistan Society for Biochemistry and Molecular Biology: Advances in Biochemistry and Molecular Biology, December 17-20, 2008. pp. 101.

VII. Extension article – Farmer’s Guide:

1. **Summar A. Naqvi**, M. J. Jaskani, Saeed Ahmad, AmanUllah Malik, M. Waseem. **2018**. Nursery and Orchard Establishment of exotic date palm varieties (URDU). Published by Govt. of Punjab and UAF
2. **Summar A. Naqvi**, Iqrar A. Khan, M. J. Jaskani, Zulqarnain Ahmad. **2016**. Date palm varieties in Pakistan (URDU), Vol 1, 1st edition Published by EFS-IHS
3. Muhammad J. Jaskani, Abdul Karim, **Summar A. Naqvi** and Saqib Shahzad. **2017** (URDU). Amrod ke Baghaat”, Published by Institute of Horticultural Sciences, University of Agriculture Faisalabad, funded by Pakistan Agricultural Research Board, Punjab.
4. **Summar A. Naqvi**, Iqrar A. Khan, M. J. Jaskani, Rizwan Shaokat, Shahab U Din. **2016**. Date palm varieties in Pakistan (URDU), Vol 2, 1st edition Published by EFS-IHS
5. **Summar A. Naqvi**, Iqrar A. Khan, M. J. Jaskani, Salman Haider. **2016**. Apricot varieties grown in Pakistan (2016) (URDU), 1st edition Published by EFS-IHS.
6. **Summar Abbas Naqvi**. **2010**. Medicinal value of Jamun. ‘DAWN’: Economic & Business Review May 24-30. P. III.
7. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. March, **2009**. Citrus peel oil – a neglected product. A Newsletter of PHDEB “HortiMag”, Vol. 53.
8. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. **2009**. Citrus peel oil – a neglected product. Daily ‘DAWN’: Economic & Business Review March 23-29. P. III.
9. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. **2009**. Greening disease a threat to citrus crop. Daily ‘DAWN’: Economic & Business Review March 2-8. P. III.

10. **Summar Abbas Naqvi** and M.H. Ranjha. **2008**. Ber: an ignored but important nutritive crop. Daily 'DAWN': Economic & Business Review June 2. P. III.
11. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. **2009**. Is citrus dying? Daily 'DAWN': Economic & Business Review March (Submitted).

VIII. Manual (For Under – Post Graduate Students):

1. Jaskani, M.J., **Summar A. Naqvi**, A.S. Khan. **2021**. Hort-302: Introductory Horticulture. In: Horticulture Practical Manual Series (Managing Ed. A.U. Malik). Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan. pp. 1: 1-60.
2. Anwar, R., **Summar A. Naqvi**, A.S. Khan, S.U. Rehman. **2021**. Hort-502: Production of Fruits. In: Horticulture Practical Manual Series (Managing Ed. A.U. Malik). Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan. pp. 1: 1-56.
3. **Naqvi, S.A.**, M. Saeed, M.J., Jaskani, I.A. Khan. **2021**. Hort-704: Mango & Date Palm Culture. In: Horticulture Practical Manual Series (Managing Ed. A.U. Malik). Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan. pp. 1: 1-60.

3.2. RESEARCH GRANTS

Sr. #	Position	Project Title	Funding Agency	Budget (Million Rs.)	Duration	Status
<u>COMPLETED</u>						
1	PI	Establishment of date palm germplasm unit.	Endowment Fund Secretariat (EFS)	4.703 M	01 Jan 2013 to 31 Dec 2016	Completed
2	PI	Fingerprinting of Jamun (<i>Syzygium cumini</i>) genetic resources of Punjab	Higher Education Commission (HEC)	0.405 M	2016-2017	Completed
3	PI	Capacity building and entrepreneurship linkage development – a complete package for date palm growers of Punjab	SIOP-HEC	0.860 M	2017-2018	Completed
4	PI	Introduction of exotic tissue culture date palm plants under cooperatives department	Department of Cooperatives, Govt. of Punjab	36 M	2017-2018	Completed

5	PI	Capacity building and entrepreneurship linkage development – a complete package for date palm growers of Punjab	Endowment Fund Secretariat (EFS)	2.544 M	2019-2021	Completed
6	PI/ Team Leader	Evaluation and management of indigenous date palm genetic resources for economic traits, <i>Fusarium</i> wilt and red palm weevil	Punjab Agricultural Research Board (PARB)	36 M	2018-2023	Completed
7	Co- PI	Policy paper on date palm: Industry mapping, value addition and marketing options	USPCAS-AFS	0.770 M	2017-2018	Completed
8	Co- PI	Policy Perspectives Regarding Value Chain and Marketing Issues of Apricot and Apple	USPCAS-AFS-PARB	0.595 M	2017-2018	Completed
9	Co- PI	Selection and breeding of citrus rootstocks for drought and heat stress	Higher Education Commission (HEC)	4.37 M	2018-2021	Completed
10	Co-PI	Gene editing of biological agents for nutritional, biochemical and therapeutic purposes (Establishment of National Center for Genome Editing for Crop Improvement and Human Health (NCGE)	Planning Commission, Govt. of Pakistan	591 M	2021-2024	Completed
11	Team Scientist	Multiplication and canopy management of ber promising cultivars at marginal lands	Punjab Agricultural Research Board (PARB)	4.5 M	2019-2022	Completed
12	Team Member	Technology transfer to citrus growers in relation to changing cultivars in existing citrus orchards through top working	Endowment Fund Secretariat (EFS)	1.449 M	2014-2017	Completed
13	Team Member	Punjab Agriculture Leadership Program	Endowment Fund Secretariat (EFS)	2.230 M	2017-2018	Completed

14	Team Member	Establishment of grapes germplasm Unit	Endowment Fund Secretariat (EFS)	2.5 M	2019-2022	Completed
15	Team Member	China-Pakistan Economic Palm Production Technology Integrated Demonstration Base at UAF	CRI-CATAS (China)	6 M	2020-2022	Completed
<u>ACTIVE GRANTS</u>						
16	Team Member	Citrus variety evaluation, popularization, and the R&D demonstration of high-quality production technology	Republic of China	6 M	2023-2026	On-going
17	Co-PI	Introduction of Citrus germplasm under road and belt Initiative	CPEC-CRG (HEC)	15 M	2024-2027	On-going

R&D ACHIEVEMENTS

- Possess extensive experience of > 13 years in Horticulture (Teaching, Research & Development).
- Collection & Maintenance of Horticultural Fruit Germplasm
- Fifty (50) MSc. (Hons.) and Ph.D. students are produced.
- Morphological & physicochemical and molecular characterization of date palm (139) apricot (64), apple (65), ber (70), Jamun (50) accessions from Pakistan, and pomegranate (86) accessions from Afghanistan.
- Date palm laboratory was established.
- SSR-based genotyping of 139 indigenous date palm accessions is done.
- Barcoding of 100 indigenous date palm varieties
- GBS of 96 indigenous date palm varieties
- Thirty indigenous Pakistani date palm varieties are sequenced (Sanger) and submitted to NCBI.
- In total, 129 indigenous date palm accessions are assessed morphologically and genetically.
- In total, 100 indigenous date palm accessions are profiled biochemically
- In total, 100 indigenous and 15 exotic date palm varieties were collected and conserved at Date Palm, GPU, IHS-UAF.
- Selection of top 12 date palm varieties for export.
- Introducing exotic tissue culture-derived elite varieties
- Standardization of technology for the establishment of tissue culture-derived date palm nursery
- Established the first pictorial manual for date growers in Pakistan
- Developed an Android app. titled “Date Palm” for date growers (Urdu) and a YouTube Channel for date palm growers funded by EFS-USDA. Use of social media i.e. WhatsApp group “Date Palm” to bring all date palm stakeholders together, creating a discussion environment and solving their issues.
- Introduced Chinese-based pheromone technology for RPW control under an MOU with CRI-CATAS, China
- Partnership with Palm Group, IRD France in the development of PhoenixDB website i.e. <http://bioinfo-web.mpl.ird.fr/phoenixDB/index.php>
- Established varietal profile of apricot of Pakistan

4. AWARDS AND HONORS

I. AWARDS & FELLOWSHIPS:

Award/Fellowship	Funding Agency	Year	Country
French Embassy & HEC joint Fellowship	French Embassy, Islamabad & HEC	2012	France
International Research Support Initiative Program	Higher Education Commission (HEC), Islamabad-Pakistan	2011	France

II. CERTIFICATES:

Title	Certification by	Year
Training course on “International Featured Standard (IFS) V6.0: I. Food, II. Brokers, III. Logistics	BUREAU VERITAS Certification	January 7-11, 2013
Training course on “Global GAP for Integrated Farm Assurance V4.0: I. Livestock, II. Fruits & Vegetables, III. Dairy	BUREAU VERITAS Certification	December 10-14, 2012
Basic Computer Training Course	Punjab Information Technology Board, Government of Punjab, Pakistan	February 22, 2007 to March 07, 2007
Special Diploma Course in English Language	National University of Modern Languages, Islamabad - Pakistan	August – December, 2007

5. COMMUNITY SERVICES

I. Extension Articles/Farmer’s Guide:

1. **Summar A. Naqvi**, M. J. Jaskani, Saeed Ahmad, AmanUllah Malik, M. Waseem. 2018. Nursery and Orchard Establishment of exotic date palm varieties (URDU). Published by Govt. of Punjab and UAF
2. Muhammad J. Jaskani, Abdul Karim, **Summar A. Naqvi** and Saqib Shahzad. 2017 (URDU). Amrod ke Baghaat”, Published by Institute of Horticultural Sciences, University of Agriculture Faisalabad, funded by Pakistan Agricultural Research Board, Punjab.
3. **Summar A. Naqvi**, Iqrar A. Khan, M. J. Jaskani, Zulqarnain Ahmad. 2016. Date palm varieties in Pakistan (URDU), Vol 1, 1st edition Published by EFS-IHS
4. **Summar A. Naqvi**, Iqrar A. Khan, M. J. Jaskani, Rizwan Shaokat, Shahab U Din. 2016. Date palm varieties in Pakistan (URDU), Vol 2, 1st edition Published by EFS-IHS

5. **Summar A. Naqvi**, Iqbal A. Khan, M. J. Jaskani, Salman Haider. 2016. Apricot varieties grown in Pakistan (2016) (URDU), 1st edition Published by EFS-IHS.
6. **Summar Abbas Naqvi**. 2010. Medicinal value of Jamun. 'DAWN': Economic & Business Review May 24-30. P. III.
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8. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. 2009. Citrus peel oil – a neglected product. Daily 'DAWN': Economic & Business Review March 23-29. P. III.
9. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. 2009. Greening disease a threat to citrus crop. Daily 'DAWN': Economic & Business Review March 2-8. P. III.
10. **Summar Abbas Naqvi** and M.H. Ranjha. 2008. Ber: an ignored but important nutritive crop. Daily 'DAWN': Economic & Business Review June 2. P. III.
11. Mueen Iqbal, Dr. M.M. Khan and **Summar Abbas Naqvi**. 2009. Is citrus dying? Daily 'DAWN': Economic & Business Review March (Submitted).

II. EDITORIAL SERVICES/EXPERIENCE

1. Associate Editor, Journal of Global Innovations in Agricultural Sciences. ISSN (Online): 2788-4546; ISSN (Print): 2788-4538. <https://www.jgiass.com/> (2016-2020)

III. MEMBERSHIPS (LEARNED SOCIETIES)

1. International Society of Horticultural Sciences, USA.
2. Pakistan Society of Horticultural Sciences

IV. MEDIA APPEARANCE (T.V Talk):

1. **Summar A. Naqvi**. 12th of July, 2007. A talk entitled "Healthy Citrus Nursery Production" presented on "KOOK" channel.

6. PROFESSIONAL DEVELOPMENT ACTIVITIES

I. CAPACITY BUILDING/TRAININGS/SEMINARS (INTERNATIONAL):

Title	Organizers	Country	Year
Training course on date palm production technologies for Arab countries	Chinese Academy of Tropical Agricultural Sciences	China	October 17 th , 2017 to October 31 st , 2017
Participated in Asian Food and Agribusiness Conference: Enhancing Exports of Organic Products organized by Asian Productivity Organization (APO)	the Development Academy of the Philippines	Philippines	13-15 September 2017
Participated in 4th International course on gene bank management	TUBITAK, Izmir	Izmir, Turkey	May 02-06, 2016

and biodiversity conservation			
Oral presentation on “First insights onto the distribution and diversity of <i>Phoenix loureiroi</i> in Pakistan	annual EUNOPS XII meeting	Sanremo-Italy	12-13 May 2012
PhD Visiting Scholar	Institute de Recherché et Development (IRD)	Montpellier, France	2011 for 06 Months
PhD Visiting Scholar	Institute de Recherché et Development (IRD)	Montpellier, France	2012 for 06 Months

II. CAPACITY BUILDING/TRAININGS/SEMINARS (HELD IN PAKISTAN):

Title	Date	Venue	Remarks
7 th International Conference of Horticulture	February 23-24, 2023	Department of Horticulture, MNSUA, Multan	Speaker
International Conference on Date Palm	August 22-23, 2022	Department of Horticulture, MNSUA, Multan	Speaker
One-day training course on Red Palm Weevil control in date palm	February 18, 2021	Horticulture Research Station, Bahawalpur, Punjab	Speaker
Farmer day/workshop/seminar on “Multiplication of promising ber cultivars”	March 15, 2021	Experimental Fruit Research Garden, Square 32, University of Agriculture, Faisalabad.	Organizer
Capacity building of date palm farmers of Jhang	October 01, 2020	Jhang	Organizer/Speaker
Capacity building of date palm farmers of Layyah	October 02, 2020	Layyah	Organizer/Speaker
Capacity building of date palm farmers of Muzaffargarh	October 03, 2020	Muzaffargarh	Organizer/Speaker
Capacity building of date palm farmers of Faisalabad	November 03, 2020	Faisalabad	Organizer/Speaker
Seminar on “Role of plant genetic resources in varietal development and seed system”	January 10-2019	Ayub Agriculture Research Institute, Faisalabad	Participant
One day Farmer workshop/seminar on “Establishment and Papaya Production Technology”	13 th Feb, 2019	Fruit Plant Nursery, University of Agriculture, Faisalabad.	Organizer
One day Farmer workshop/seminar on “Meadow orcharding system in Guava	25 th Feb, 2019	Post Graduate Agriculture Research Station, University of Agriculture, Faisalabad.	Organizer
International Horticulture Conference, Pakistan	Feb 26-28, 2019	Department of Horticulture, Bahauddin Zikriya University., Multan	Participant

Training program for growers and distribution of date palm plants	March 4-5, 2019	Fruit Nursery Area, Institute of Horticultural Sciences, University of Agriculture, Faisalabad.	Organizer/Trainer
One day farmer workshop/seminar on “Guava Canopy Management in Ultra Density Plantation”	March 11, 2019	Guava Farm, Shahkot	Organizer
Training on “Orchard Establishment & Management” Project Capacity Building of Agriculture Scientist funded by Govt. of Balochistan.	March 11-20, 2019	Office of Research, Innovation & Commercialization, University of Agriculture, Faisalabad.	Organizer
International workshop on “Green Energy Technologies: Opportunities and Challenges”	October 29-30, 2019	University of Agriculture, Faisalabad.	Organizer
International workshop on Developing vegetable seed industry	January 11, 2018	Institute of Horticultural Sciences, University of Agriculture, Faisalabad	Participant
International horticulture conference 2018: Pakistan Horti expo – trade and conference	January 13-14, 2018	Expo Center, Lahore Institute of Horticultural Sciences, UAF in collaboration with Department of Agriculture, Government of the Punjab & Pakistan Society for Horticultural Science	Organizer
Training workshop on “Efficient date palm pollination using pollinator”	March 30, 2018	Date Palm Research Station, Jhang	Organizer/Trainer
International date palm conference titled “Diversification of high value cropping through promotion of horticulture	11-12 April, 2018	Ayub Agriculture Research Institute, Faisalabad	Invited Speaker
Training workshop on “Fruit tree value assessment”	18 th April, 2018	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Organizer
One day “1 st annual IHS postgraduate Students Research Symposium”	3 rd May, 2018	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Organizer
2 nd International Conference of Biochemistry, Biotechnology and Bioinformatics	December 09-11-2018	department of biochemistry. University of Agriculture Faisalabad, Pakistan	Participant
Training on “value addition”	December 10-13, 2018	University of Agriculture Faisalabad.	Organizer

International workshop on diversification value addition of floriculture	March 01-02, 2017	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Participant
International conference on Advances in Agriculture Resource Management”	5 th to 7 th April, 2017	University of Agriculture, Faisalabad (UAF)	Organizer
One day International seminar on “Overview of coconuts research in China	August 02, 2017	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Organizer
International seminar & training workshop on CRISPR/Cas based Genome Editing	September 19 & 20, 2017	U.S.-PCAS-AFS, Center for Advanced Studies, University of Agriculture Faisalabad.	Participant
One day seminar on Recent Research and Developments in Mango Technologies in the World.	September 23, 2017	Institute of Horticultural Sciences, University of Agriculture Faisalabad in collaboration with Pakistan Society of Horticultural Sciences.	Participant
Training workshop on clonal propagation of guava through softwood cuttings (PARB-179)	28 th November, 2017	Farmer’s Field, Sharqpur Sharif, Sheikhpura	Organizer
2nd International conference of Horticultural Sciences	18-20 February 2016	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Poster presentation on “Establishment of date palm germplasm unit
Training on Horticultural Nurseries (Fruits, Vegetables, Ornamentals) for Farmers from Balochistan	March 07-10, 2016	Office of Research & Commercialization, University of Agriculture, Faisalabad.	Trainer (Date Palm Production Technology)
Training on value Addition of Horticultural Crops (Farmers from Balochistan)	March 16-19, 2016	Office of Research & Commercialization, University of Agriculture, Faisalabad.	Trainer (Date Palm Value Addition)
Seminar on “Future perspective of potato Biodiversity & Food Security”	6 th April, 2016	University of Agriculture, Faisalabad.	Organizer
One day seminar on “Establishment of date palm germplasm unit”	June 01, 2016	Date Palm Research Station, Turbat-Balochistan	Resource person/Speaker
One day Seminar on Dissemination Seed Production Technology of Vegetable Crops	August 20, 2016	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Participant
One day seminar on “Establishment of date palm germplasm unit	December 28, 2016	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Resource person/Speaker

One day workshop on “Clonal propagation of guava through softwood cuttings”	December 29, 2016	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Organizer
Date Palm Scientist meeting	12 November 2012	Ayub Agriculture Research Institute, Faisalabad-Pakistan	Oral presentation of “Distribution and diversity of date palm in Pakistan”
1 st international symposium on date palm	March 3-4, 2011	Institute of Horticultural Sciences, University of Agriculture Faisalabad.	Organizer

7. INTERNATIONAL LINKAGES AND EXPOSURE

I. COUNTRIES VISITED:

Serial #	Country	Year	Purpose
1	France	2011 (6 month)	PhD Research work
2	France	2012 (6 month)	-do-
3	Italy	2011 (1 month)	PhD Research work
4	Italy	2012 (2 weeks)	PhD Research work & oral presentation in European Palm Scientists Meeting
5	Turkey	2016	4th International course on gene bank management and biodiversity conservation
6	Philippines	2017	Asian Food and Agribusiness Conference: Enhancing Exports of Organic Products organized by Asian Productivity Organization (APO)
7	China	2017	Training course on date palm production technologies for Arab countries/Oral presentation

II. PROFESSIONAL (date palm researchers) LINKAGES:

Sr. #	Name	Country	Address
1	Dr. Robert Krueger	USA	Horticulturist & Curator USDA-ARS National Clonal Germplasm Repository for Citrus & Dates 1060 Martin Luther King Blvd Riverside, CA USA 92507-5437 Ph: +1-951-827-6980 Fx: +1-951-827-4398 robert.krueger@usda.gov
2	Dr. Muriel Gros Belthazard	UAE	Senior Research Scientist, Senior Research Scientist,

			Institut de Recherche pour le Développement (IRD), Université de Montpellier, UMR DIADE, Montpellier, France. / Email: : muriel.gros-balthazard@ird.fr
3	Dr. Jameel M. Al-Khayri	Saudi Arabia	Professor, Department of Agricultural Biotechnology, College of Agriculture and Food Sciences, King Faisal University, Al-Ahsa 31982, Saudi Arabia Telephone:+966504803962 Email: jkhayri@kfu.edu.sa; jmkhayri@yahoo.com
4	Dr. Muhammad Mumtaz Khan	Oman	Associate Professor, Department of Crop Sciences, College of Agriculture & Marine Sciences, Sultan Qaboos University. Email: mumtaz@squ.edu.om
5	Dr. Mohammed Aziz El Houmaizi	Morocco	Professor / International Date Palm expert of FAO Université Mohammed Premier Morocco
6	Dr. Adel Ahmad Abul-Soad	Egypt	Deputy Director for Research Affairs Horticulture Research Institute, Agricultural Research Centre, 9 Cairo Univ. st., Orman, 12619, Giza, Egypt Mobile: Egypt 002 01002598746 Office landline: 002 02 35724114 Official email: adel.aboelsoaud@arc.sci.eg
7	Dr. Frederique Aberlenc	France	Institut de Recherche pour le Développement (IRD), Université de Montpellier, UMR DIADE, Montpellier, France. Email: frederique.aberlenc@ird.fr
8	Dr. Hussein J. Shareef	Iraq	Professor, Department of Date Palm Research Center, Basrah University, Iraq Email: hussein.shareef@uobasrah.edu.iq
9	Dr. Yang Yaodong	China	Coconut Research Institute, Chinese Academy of Tropical Agricultural Sciences, China. Tel: 0086-0898-63330684 Email: yyang@catas.cn ; yyang8@qq.com
10	Dr. Iqrar A. Khan	Pakistan	National Distinguished Professor/Ex Vice Chancellor University of Agriculture, Faisalabad. Pakistan. Email: iqarahmadkhan2008@gmail.com
11	Dr. Muhammad Jafar Jaskani	Pakistan	Institute of Horticultural Sciences University of Agriculture, Faisalabad. Pakistan. Email: jjaskani@uaf.edu.pk

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