

CURRICULUM VITAE

Personal Data

First Name: Farshid

Surname: Talat

Sex: Male

Date of Birth: 06/01/1974

Nationality: Iranian

Marital Status: Married

Children: 2

Current Address:

1. West Azerbaijan Agricultural and Natural Resources Research and Education Center, Urmia-IRAN

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Training and Vocational Background

1. A training course on cottonseed production, Cotton Research Institute. (1999-15 Days)
2. A training course on cotton male sterility and cotton hybrid technology (applied and theories) under supervising of Dr.B.M.Khadi, consultant of FAO (3-months-1997 & 1998)
3. A course of advanced biometry at agricultural education center of ministry of agriculture (2000)
4. A training course on DUS (Distinctiveness – Uniformity – Stability) test in variety trials by FAO experts. Tabriz-IRAN (2008-6 Days)

Employment

- Scientist, Head of breeding research department – Cotton research Institute. Varamin – IRAN, 2001-2007
- Scientist, Deputy of research, West Azerbaijan Agricultural and Natural Resource Research Center Urmia-IRAN
- Deputy Director General, West Azerbaijan Agricultural and Natural Resources Research Center, Urmia, Iran, 2014 till Now

Publications (Some Selected)

H.D. Baneh, **F. Talat** and S.S.Udikeri (2021). Iranian wild grape genotypes Genetic diversity, germplasm conservation and their importance in breeding programs. *Vitis Journal* (Submitted)

Talat F, Udikeri SS (2020). Synonymous Codon Usage Bias Factors Affecting Chloroplast Genome of Grape Wine *Vitis vinifera*. *Int.J.Curr.Microbiol.App.Sci.* 9(11): 1971- 1977. doi: <https://doi.org/10.20546/ijcmas.2020.911.234>

Talat F, Hasaninezhad S, Badri M (2020). Bioinformatics Codon Usage Analysis of Chloroplast Genomes in Some Diploid Species and Comparison with Two Tetraploid Species of Cotton. *Journal of Plant Research*. Vol 32 (4): 713-723.

Alishah O, MahmoodJanloo H, Hekmat M H, Naderi Arefi A, Sidmasoomi S Y, **Talat F**. Genotype × Environment Interaction and Yield Stability of Hopeful Cotton (*G.hirsutum* L.) Genotypes . *jcb*. 2019; 11 (31) :226-236

Farshid Talat, Hamed Doulati Baneh (2019). CODON USAGE BIAS AND COMPARATIVE BIOINFORMATICS ANALYSES OF THE CHLOROPLAST GENOMES OF VITIS VINIFERA WITH TWO CAUCASICA SUBSPECIES OF GRAPE FRUIT. 42st WORLD CONGRESS OF VINE AND WINE 17th GENERAL ASSEMBLY OF THE OIV JULY 15th – 19rd 2019 – GENEVA – SWITZERLAND

Hamed Doulati Baneh, **Farshid Talat** (2019). IRANIAN WILD GRAPE GENOTYPES: GENETIC DIVERSITY, GERMPLASM CONSERVATION AND THEIR IMPORTANCE IN BREEDING PROGRAMS. 42st WORLD CONGRESS OF VINE AND WINE 17th GENERAL ASSEMBLY OF THE OIV JULY 15th – 19rd 2019 – GENEVA – SWITZERLAND

Farshid Talat, Nesa Ghaffari, Abolhasan Faraji, Mehdi Badri Anarjan (2019) Comparative and bioinformatics analysis of the chloroplast genomes of three varieties of Strawberry: *F.vesca*, *F.virginiana* and *F.chiloensis*. IRANIAN JOURNAL OF PLANT BIOLOGY (IJPB), Vol 11 (2): 63-76.

Mahdi BADRI ANARJAN , **Farshid TALAT** , Amir FAYYAZ MOGHADDAM (2019). YIELD COMPONENTS ANALYSES IN Cotton: *G. hirsutum* CULTIVARS WITH MULTIVARIATE STATISTICAL METHODS. Genetika, Vol 51(2):595-606.

Talat F, Jamshidian Z, Aivazi A, Karapetian J (2019). SEED PRIMING APPLICATION ON SEEDLING CHARACTERISTICS AND MORPHO-PHYSIOLOGICAL PROPERTIES OF CORIANDRUM SATIVUM. Annals of Biology. Vol 35(2): 273-279.

Talat F, Shahdparvar S, Anarjan MB (2018). Comparative Bioinformatics Analyses of the Chloroplast Genomes of *Vitis vinifera* with Two Caucasic Subspecies of Grape Fruit. J Phylogenetics Evol Biol 6: 208. DOI: 10.4172/2329-9002.1000208

Talat F, Hasaninezhad S, Badri M (2018). Synonymous codon usage bias in chloroplast genome of *Gossypium thurberi* and *Gossypium arboreum*. International Congress on “Cotton and Other Fibre Crops” , Umiam (Barapani), Meghalaya. India. pp: 205-214.

Talat F, Badri M, Sootoudemaram K (2018) . Multivariate analyses of quantitative and qualitative characteristics of hopeful cotton varieties under cold weather conditions. Iranian Journal of Field Crop Science. Vol 49(1): 179-195.

Atashbeigi S , **Talat F**, Fajri A (2018). Investigating the Effect Of Seed Priming And Bio-Fertilizer On The Quantitative And Qualitative Characteristics Of The *Calendula Officinalis* Plant. Scinzer Journal of Engineering, Vol 4(1): 1-11.

Talat F, Shahdparvar S, Karapetian J (2018). SYNONYMOUS CODON USAGE BIAS IN CHLOROPLAST GENOME OF *Vitis vinifera* and Two Caucasic Subspecies of Grape Fruit. Proceeding of International Scientific Conference PLAMIC2018 «Plants and microbes: the future of biotechnology» Russia, Ufa, 13-17 June 2018.

Talat F, Badri Anarjan M (2018). Yield and yield components in Cotton (*G. hirsutum* L.) cultivars from multivariate statistical analyses point of view. Proceeding of International Scientific Conference PLAMIC2018 «Plants and microbes: the future of biotechnology» Russia, Ufa, 13-17 June 2018.

Talat F (2018). Chloroplast DNA sequencing and analysis of three D-Genome cotton species. Proceeding of International Scientific Conference PLAMIC2018 «Plants and microbes: the future of biotechnology» Russia, Ufa, 13-17 June 2018.

Nasrollahi H, **Talat F**, Bernoosi I, Badri M (2017). Comparative bioinformatics analyses of the chloroplast genome of a diploid Cotton (*G. herbaceum*) with two allotetraploid species. *Journal of Crop Biotechnology*. Winter (2017) 20: 1-12.

Jjamshidian Z, **Talat F** (2017). Effects of Seed Priming on Morphological and Phonological Characteristics of the Coriander (*Coriandrum sativum* L.). *Advances in Plants & Agriculture Research*. Vol. 7, Issue. 6

Jamshidian Z, **Talat F**, (2017). Effects of seed priming on morphological and phonological characteristics of the coriander (*Coriandrum sativum* L.). *Adv Plants Agric Res*; 7(6):411–415. DOI: 10.15406/apar.2017.07.00275

Shahdparvar S, **Talat F**, Karapetian J (2016). Factors Affecting Synonymous Codon Usage Bias in Chloroplast Genome of *Vitis vinifera*. Proceeding of the 5th International Conference on Biotechnology and bioengineering. December 8 - 10, 2016 Bangkok, Thailand.

Talat F, Badri M, Sootoudemaram K (2016). Multivariate statistical analyses of quantitative and qualitative characteristics of hopeful cotton varieties in West Azerbaijan province of Iran under cold weather conditions. Proceeding of the 5th International Conference on Biotechnology and bioengineering. December 8 - 10, 2016 Bangkok, Thailand.

Talat F, Wang K (2016). Complete Chloroplast Genome Sequences of Three D Genome Cotton Species and Their Evolutionary Implications. Proceeding of World Cotton Research Conference 6. 2-6 May. Goiania, Brazil.

Talat F, Shahdparvar s, Jamshidian Z, Badri M (2016). Multivariate statistical analyses of earliness in upland cotton. Proceeding of World Cotton Research Conference 6. 2-6 May. Goiania, Brazil.

Talat F, Wang Kunbo (2015). Comparative Chloroplast Genome Sequence Analyses of *Gossypium thurberi* With Two Cultivated Allotetraploid *Gossypium* Species. *Iranian Journal of Biotechnology*, *Iranian Journal of Biotechnology*, Vol 13(3): 47-56.

Talat F, Badri M, Akbari R (2015). Study on quantitative and qualitative characteristics of hopeful cotton cultivars and their adaptability. *International Conference in Science and Technology*, Kuala Lumpur, Malaysia.

Talat F, Wang K (2014). Chloroplast genome study, new tool in plant biotechnology; *Gossypium* spp. as a model crop. *Journal Of Current Research In Science* . 2014, Vol. 2, No. 6, pp: 838-850

Wang L, Liu F, **F Talat**, MKR Khan, Shaohui L, Chunying W, Xiangdi Z, Yuhong W, Jinping H, Kunbo W (2012). Multivariate statistical analyses of yield and some agronomic traits in an elite cotton hybrid LMY 15. *African Journal of Agricultural Research*. Vol. 7(35), pp. 4919-4926

F Talat, K Wang (2011). Complete sequence of wild cotton (*G.turneri*) chloroplast genome: structural organization and phylogenetic relations to other angiosperms. World Cotton Research Conference-5 Renaissance Convention Centre, Mumbai 7-11 November

F Talat, N Ghadirian, A Eivazi (2011). Genetic analysis of earliness in upland cotton using diallel-crossing method. *Agronomy Journal (Pajouhesh & Sazandegi)*. 85: 8-18

F Talat, N Ghadirian, V Ghasemian, S Haghi, I Bernoosi (2011). Earliness: Multivariate analysis overview to a strategic property in cotton. *Journal of Agricultural research (Zeitoon)*. 31(218): 25-34

K Wang, MJ Shang, F Liu, **F Talat** (2010). Cotton Chloroplast Genome Sequence. Proceeding of International Cotton Genome Initiative (ICGI).21-23 Sep. Canberra, Australia.

Iraj Bernoosi, **F Talat**, A Hassanzadeh, N Nemati, Z Hosseininejad (2009). Earliness component analyses in upland cotton through diallel cross method. *Indian Journal of Crop Sciences*. 4 (1-2) : 61-65

A Hasanzadeh, Y mirzadeh, **F Talat**, S Hagi, V Ghasemian and R Sokouti (2009). Assessment of input and output energy in chick-pea production under rainfed farming system. 10th International Meeting on Soils. 23-26 June. Beirut- Lebanon

R Sokouti, A Hasanzadeh, **F Talat**, and S Pakdaman (2009). Spatial variability of macronutrient for soil fertilization management. 10th International Meeting on Soils. 23-26 June. Beirut- Lebanon

A Hasanzadeh, **F Talat**, S Hagi, V Ghasemian and R Sokouti (2009). Auxiliary energy flow in sunflower cultivation and its effects on environment. 10th International Meeting on Soils. 23-26 June. Beirut- Lebanon

A Behradfar, A Hassanzadeh Gorttapeh, M Zardashty and **F Talat** (2009). Evaluation Correlated Traits for Seed and Oil Yield in Sunflower (*Heliathus annuus L.*) Through Path Analysis in under Condition Relay Cropping. *Research Journal of Biological Sciences* 4 (1): 82-85

Vafae Tabar M and **F Talat** (2008). Quantitative and qualitative traits of some promising cotton cultivar in Varamin region. *Journal of Dynamic Agricultural Vol 5 No 2*. pp 245-256.

Zargharan MR, MH Safaralizadeh, E sadeghi & **F Talat** (2008). Survey of populus leaf miner *Lithocolletis populifoliella* tr. Density on different populus clones in west Azerbaijan. *Journal of Dynamic Agricultural Vol 5 No 1*. pp 85-96.

A Hasanzadeh, M E Kordlar, **F Talat**, M Roshdi, N Akhondi, H Salehzadeh and R Amirnia (2008). Evaluation of onion cultivation energy balance in east Azerbaijan province. International meeting on soil fertility land management and agro climatology. 29 Oct- 1 Nov. Kusadasi, TURKEY.

F Talat, Iraj Bernoosi (2008). Earliness component analyses in upland cotton through diallel cross method. 4th Asian Cotton Research and Development Network. 23-27 Sep 2008. Anyang- CHINA

A Hassanzadeh, N Nemati, F Faghenaby, **F Talat**, M Mojarrad, R Amirnia and H Salehzadeh (2008). Evaluation of economy and compared energy efficiency on grape in west Azerbaijan province. Research Journal of Biological Science. 3(9): 1090-1093

A Hassanzadeh, J Panahy and **F Talat** (2008). Floristic study of Marakan protected region(West Azerbaijan province). Research Journal of Biological science. 3(6): 581-588

H khoshnoud, n Nemati, r Amirnia, m Ghiyasi, A Hassanzadeh, **F Talat** and H Salehzadeh (2008). Insecticidal properties of Verbascum Cheiranthifolium against R.dominica on wheat and barley. Pakistan Journal of Biological Science.11(5): 783-787

F Talat (2008). Situation and future prospects of cotton breeding in Iran. 5th International Crop science and Exhibition (ICSC 2008).

F Talat, K G Chegini and M R Bihamta (2008). Multivariate analysis of quantitative and qualitative properties of introduced cotton cultivars 5th International Crop science and Exhibition (ICSC 2008).

F Talat, D Rouhipour, O Alishaah and M R Mogaddam (2008). Investigation on quantitative and qualitative properties of some new cotton cultivars. 5th International Crop science and Exhibition (ICSC 2008).

F Talat, M Fathi, O Alishaah and H Molla Hosseini (2008). Investigation on quantitative and qualitative properties of some introduced cotton cultivars. 5th International Crop science and Exhibition (ICSC 2008).

F Talat, K Goodarzvand chegini and M Reza Bihamta (2008). Investigation on morphological and phonological properties of introduced cotton varieties using augmented design. 5th International Crop science and Exhibition (ICSC 2008).

F Talat (2008). Genetic analysis of earliness in upland cotton (*G.hirsutum* L.). 5th International Crop science and Exhibition (ICSC 2008).

F Talat and D Rouhipour (2008). Earliness and morphological character fixation of commercial varieties derived from backcross populations. 5th International Crop science and Exhibition (ICSC 2008).

F Talat and H Roknizadeh (2008). Cytogenetic study of some tetraploid cotton cultivars of Iran (*G.hirsutum* L.). 5th International Crop science and Exhibition (ICSC 2008).

Chegini KG, Bihamta MR, Zali A and **Talat F** (2007). Elementarily evaluation of quantitative and qualitative traits in introduced cotton genotypes. Iranian Journal of Agronomy and Plant Breeding. 3(2):91-102.

A Eivazi, **F Talat**, A Saeed and H Ranji (2007). Selection for osmoregulation gene to improve grain yield of wheat genotypes under osmotic stresses. Pakistann Journal of Biological Science.10(20): 3703-3707,2007

Ramezani MR and **F Talat** (2007). Investigation of general and specific combining ability in cotton using line * tester analysis. Journal of agricultural Sci. Islamic Azad University. 1: 57-65

Talat F and et.al (2004). Path analysis of earliness component in upland cotton. Iranian Journal of Crop Sciences.vol1.no1

Talat F and et.al (2004). Chromosome analyses in some triploid hybrids of cotton. Proceeding of the 8th Iranian crop production and breeding congress.

Talat F and et.al (2003). Research and development efforts on hybrid cotton production Iran. Abstracts of paper and poster presentations, World Cotton Research Conference-3. Cape Town, South Africa.

Talat F (2002). Cotton breeding studies in Iran: History and future trends. Proceeding of the 2nd meeting of the Asian cotton research and development network. Tashkent, Uzbekistan.

Talat F and et.al (2002). Hybrid cotton production efforts in cotton research institute of Iran. Proceeding of 7th Iranian crop science congress.

Talat F and et.al (2002). Investigation on quantitative and qualitative characteristics of some introduced cotton varieties. Proceeding of the 7th Iranian crop science congress.

Talat F and Abd Mishani (2000). Association between high molecular weight glutenin subunits (HMW-GS) and bread-making quality in Esfahan landraces of bread wheat by electrophoresis. Proceeding of the 6th Iranian congress of crop production and breeding sciences.

Research Activities

Coordinating of 48 research projects in different parts of cotton producing areas in Iran.

Introducing of three cotton cultivars by the Ministry of Agriculture of IRAN.

Participation in Meetings

1. 2nd meeting of the Asian Cotton research and Development Network with presentation; Country Report of Cotton Production in Iran. November 14-16, 2002. Tashkent-Uzbekistan.
2. International workshop on cotton biotechnology. Final meeting of CFC/ICAC project on cotton Geminiviruse. September 28-30, 2003. Dubai-UAE.
3. Second INCANA meeting. September 6-8, 2004. Tashkent-Uzbekistan.
4. First Iran-ICARDA Seed Workshop with presentation; The Cotton Seed Sector in IRAN. Oct 26 to Nov 3, 2002. Tehran-Iran.
5. DUS-TEST in plant breeding coordinated by ICARDA. Tabriz-IRAN. Sep 10-18 2008.
6. 4th Meeting of Asian Cotton Research and Development Network. 23-27 Sep 2008. Anyang- China.
7. XII Plant genomics conference in China. August 19-21, 2011. Anyang- China.
8. International Conference in Science and Technology, December 2015, Kuala Lumpur, Malaysia
9. World Cotton Research Conference 6. 2-6 May 2016. Goiania, Brazil.
10. 5th International Conference on Biotechnology and Bioengineering ICBB2016 Dec. 8-10, 2016 Bangkok, Thailand.
11. International Workshop on Plant Genetic Resources and Gene bank Operations Management System (Jointly sponsored by COMSTECH, PARC AND ECOSF), May 8-11, 2018, Islamabad, Pakistan.
12. International Scientific Conference PLAMIC2018 «Plants and microbes: the future of biotechnology» Russia, Ufa, 13-17 June 2018.

Research Topic for PhD Thesis

Plant Biotechnology in the field of Genomics:
Chloroplast genome sequencing of some D-genome species of cotton.
Supervisor: Prof. Dr. Wang KunBo

Thesis Committees

Serving in M.Sc. thesis committees as supervisor for 25 M.Sc. students since spring 2014.

Memberships

1. Member of Iranian Society of Crop Production and Breeding Sciences
2. Member of Agricultural Engineering organization of Iran
3. Active member of INCANA secretariat in Iran (Coordinator Assistant)

Knowledge of English language

Written Excellent
Spoken Excellent
Listening Excellent

Innovations

- Complete chloroplast genome sequence submission of *Gossypium turneri* to NCBI with accession number JQ 742090 (released at 2015)
- Complete chloroplast genome sequence submission of *Gossypium laxum* to NCBI with accession number KF806549 (released at 2015)
- Complete chloroplast genome sequence submission of *Gossypium schwendimanii* to NCBI (in processing)

Awards

- Honor B.S. Student, University of Urmia, Iran (1993-1997)
- Honor M.Sc. Student, University of Tehrana, Iran (1997-1999)
- Honor Scientific Researcher, Agricultural Research, Education and Extension Organization (AREEO), Ministry of Jihad Agriculture, Iran (2007)
- Beijing Government Scholarship for PhD Degree (2010-2014)
- Top speaker, Second International Conference in Science and Technology, Malaysia, 2015
- Top speaker, International Scientific Conference PLAMIC2018 «Plants and microbes: the future of biotechnology» Russia, Ufa, 13-17 June 2018.

Educational background

- B.Sc. in the field of agronomy and Plant Breeding from Urmia University-Iran (1993-1997), First grade student
- M.Sc. in the field of Plant Breeding-Biotechnology from Tehran University-Iran (1997-1999), First grade student
- Ph.D. in the field of Biotechnology-genomics from Chinese Academy of Agricultural Sciences, Beijing, China (2010-January 2014)