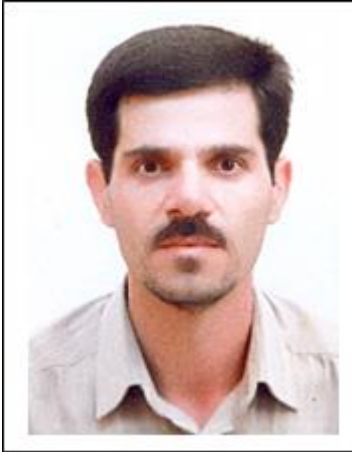




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Education

- ✓ 1995, B.Sc. Agronomy and Plant Breeding, University of Tehran
- ✓ 1998, M.Sc. Plant Breeding, University of Tehran
- ✓ 2003, Ph.D. Plant Genetics and Breeding, University of Tehran

Research Interest

- ✓ Wheat breeding

Positions

- ✓ Winter and Facultative wheat breeder, SPII, Iran, 2003-2012
- ✓ Head of durum wheat breeding program, SPII, Iran, 2012 to 2017
- ✓ Deputy Director General for SPII, Iran, 2014 to 2017
- ✓ Winter wheat Breeder in Iran-CIMMYT joint project "Increasing the productivity of wheat and wheat-based systems in Iran", 2017 to ...

Achievements

- ✓ Sharing in Release of five winter and facultative bread wheat cultivars, **Mihan**, **Zare** and **Uroum**, **Heydari** and **Zarrineh** for cold climate zone of Iran, 2010
- ✓ Release of **Shabrang**, a durum wheat cultivar for warm and drought climate zone of Iran, 2015
- ✓ Release of **Hana**, a durum wheat cultivar for temperate climate zone of Iran, 2016
- ✓ Release of **Aran**, a durum wheat cultivar for warm and drought climate zone of Iran, 2018

Publication

Books:

- 1- Mohammadi, V. and Najafi Mirak, T., 1999. Plant Breeding. Dibagaran, Tehran, Iran (In Persian)
- 2- Najafi Mirak, T. and Sheikhi, A., 2007. A guide to the wheat production. Agriculture education press. Karaj, Iran (In Persian)
- 3- Jalal Kamali, M.R., Najafi Mirak, T., and Asadi H. 2012. Wheat: Research and Development Strategies in Iran. Agriculture education press. Karaj, Iran (In Persian)

Journals Papers

1. Najafi Mirak, T., Hoseeiinzadeh, A., Ghannadha, M.R., 1998. Genetic study of resistance sunn pest (*E. integriceps*) in wheat. Iranian J. Agric. Sci. 3(3): 495-504. (In Persian)
2. Najafi Mirak, T., Zali, A., Hoseinzadeh, A., Rasoulia, G. and Saidi, A., 2003. Study of some bread and durum wheat resistance to Russian wheat aphid, *Diuraphis noxia* (Mordvilko). JWSS, 7(4):115-128. (In Persian)
3. Najafi Mirak, T., Zali, A. Hoseinzadeh, A., Saidi, A. and Rasoulia, G., 2004. Inheritance of resistance to Russian wheat aphid, *Diuraphis noxia* (Mordvilko), based on leaf rolling in wheat. Seed and Plant, 20(2): 245-257. (In Persian)
4. Dashtaki, M., Yazdansepa, A., Najafi Mirak, T., Ghannadha, M.R., Jokar, R., Eslampour, M.R., Moayedi A.A., Nazeri, M., Abedi Oskooie, S., Aminzadeh, G.R., Soltani, R., Ashoori, Sh. And Koochaki M.R., 2004. Stability of grain yield and harvest index in winter and facultative bread wheat (*Triticum aestivum* L.) genotypes. Seed and Plant, 20(3): 263-279. (In Persian)
5. Najafi Mirak, T., Zali, A. Hoseinzadeh, A., Saidi, A. and Rasoulia, G., 2004. Inheritance and allelism of resistance to Russian wheat aphid, *Diuraphis noxia* (Mordvilko) in Iranian wheat cultivars. IJAB, 3: 25-28.
6. Sheikholeslami, M., Okhovat, M., Hajarood, G., Sharifi Tehrani, A. Javan Nikkhah, M. and Najafi Mirak, T., 2005. Investigation on interaction of isolate-genotype between *Erysiphe betae* and *Beta vulgaris* under greenhouse condition. J. Sugar beat, 21(3): 123-135. (In Persian)

7. Kebriyai, A., Yazdansepas, A., Keshavarz, S., Bihanta, M. R. and Najafi Mirak, T., 2007. Stability of grain yield in promising winter and facultative wheat (*Triticum aestivum* L.) lines. Iranian J. Crop Sci. 9(3): 225-236. (In Persian)
8. Nourbakhsh, A., Zali, A., Hoseinzadeh, A. and Najafi Mirak, T., 2008. Genetic study of resistance to Russian Wheat Aphid, *Diuraphis nexia* (Morduilko), in advanced durum wheat (*Triticum turgidum* var. durum) lines. Iranian J. Crop Sci. 10(2): 125-135. (In Persian)
9. Rahimzadeh, R. and Najafi Mirak, T., 2009. Effect of planting methods and plant density on grain yield and agronomic characteristics of sunflower (*Helianthus annuus* L.) under rainfed conditions. Iranian J. Crop Sci. 11(2): 123-135. (In Persian)
10. Rahimi, M., Najafi Mirak, T. and Rashidi, V., 2009. Grain Yield Stability of Bread Wheat Cultivars and Lines with Different Growth Habits in Temperate Agro-climate Zone of Iran. Seed and Plant Improvement J. 25(3): 451-469. (In Persian)
11. Yazdansepas, A., Keshavarz, S., Kebriyai, A., Rafeepour, Sh., Aminzadeh, G.R., Koochaki M.R., Chaichi, M. and Najafi Mirak, T., 2009. A Study of Grain Yield, Yield Components in some Promising Bread Wheat (*Triticum aestivum* L.) Genotypes under Normal Irrigation and Terminal Drought Stress Conditions. 40(1): 109-119. (In Persian)
12. Hamedanian, P., Hoseinzadeh, A., Najafi Mirak, T. and Nourbakhsh, A., 2010. Evaluation of Resistance of Bread Wheat Cultivars to Russian Wheat Aphid at Seedling and Stem Elongation Growth Stages. Seed and Plant Improvement J. 1(1): 27-42. (In Persian)
13. Najafi Mirak, T., 2011. Study of grain yield stability of bread wheat genotypes in cold agro-climatic zone of Iran. Iranian Journal of Crop Sciences. 13(2): 380-394. (In Persian)
14. Najafi Mirak, T., Jalal Kamali, M.R., Sharifi, H., Esmaelzadeh Moghadam, M., Rahimi, M., Rezaee, M., Chaichi, M., Babaei, T., Senjari, A.G., Nazeri, M., Ezatahmadi, M., Salehi, P., Hoseini Bay, K., Ashoori, Sh., sarikhani, sh., Jafarnegad, A., Afuni, D., Nikooseresht, R., Hasnpour, J., Sayahfar, M., Nikzad, R.

- and Kamel, M., 2011. Study of Possibility of Grouping Wheat Research Stations of Iran Based on Days to Heading of Bread Wheat Genotypes. *Seed and Plant Production J.*, 27(4): 379-398. (In Persian)
15. Yazdansepas, A., Najafi Mirak, T., Golkari, S., Rezaee, M., Ashoori, Sh., Nazeri, M., Godsi, M., Razavi, A.R., Ezatahmadi, M., Chaichi, M., Babae, T., Senjari, A.G., Aminzadeh, G.R., safavi, Abedi, S., Salehi, P., Hoseini Bay, K., Afshari, F., Soltani, R., Pedram, A., Koochaki M.R., Hooshyar, R., Seif, I., Malihipour, A., Pirayeshfar, B. and Agnom, R., 2011. Oroum, A New Bread Wheat Cultivar for Irrigated Condition in Cold Regions of Iran. *Seed and Plant Improvement J.* 27(3): 445-448. (In Persian)
 16. Yazdansepas, A., Akbari, A., Senjari, A.G., Rezaee, M., Chaichi, M., Babae, T., Aminzadeh, G.R., Zare Feizabadi, A., Ezatahmadi, M., Ashoori, Sh., Najafi Mirak, T., Godsi, M., Soltani, R., Abedi, S., Nazeri, M., Razavi, A.R., Salehi, P., Hoseini Bay, K., Afshari, F., safavi, S. and Pirayeshfar, B., 2011. Mihan, A New Bread Wheat Cultivar for Irrigated and Post-Anthesis Drought Stress Conditions in Cold Regions of Iran. *Seed and Plant Improvement J.* 27(4): 631-634. (In Persian)
 17. Yazdansepas, A., Khodarahmi, M., Rezaee, M., Nazeri, M., Pedram, A., Chaichi, M., Razavi, A.R., Koochaki M.R., Najafi Mirak, T., Babae, T., Senjari, A.G., Ezatahmadi, M., Godsi, M., Ashoori, Sh., Soltani, R., Aminzadeh, G.R., Abedi, S., Salehi, P., Hoseini Bay, K., Afshari, F., Hooshyar, R., Pirayeshfar, B., Malihipour, A., Agnom, R. safavi, S. and Zare Feizabadi, A., 2011. Zareh, A New Bread Wheat Cultivar for Irrigated and Post-Anthesis Drought Stress Conditions in Cold Regions of Iran. *Seed and Plant Improvement J.* 27(4): 635-638. (In Persian)
 18. Sanaey, N. and Najafi Mirak T., 2012. Wheat Resistance to the Adult Insect of Sunn Pest, *Eurigaster Integriceps* Put. *American Journal of Agricultural and Biological Sciences* 7 (1): 56-60, 2012.
 19. Najafi Mirak, T. 2012. Evaluation of resistance to Sunn pest (*Eurygaster integriceps* Put.) in wheat and triticales genotypes. *Crop Breeding Journal* 2(1):43-48.
 20. Ahmadi, J., Mohammadi, A. and Najafi Mirak, T., 2012. Targeting Promising Bread Wheat (*Triticum aestivum* L.) Lines for Cold Climate Growing

- Environments Using AMMI and SREG GGE Biplot Analyses. *J. Agr. Sci. Tech.* (2012) Vol. 14: 645-657.
21. Salehi, T., Najafi Mirak, T., Bihamta, M.R., Majidi Heravan, E., 2012. Inheritance of Russian wheat aphid resistance in Iranian bread wheat cultivar 'Azadi'. *Advances in Environmental Biology*, 6(10): 2582-2585, 2012.
 22. Mayeli, A., Beheshti, B., Bakhoda, H. and Najafi Mirak, T., 2014. Comparison of Potato vegetative traits in aeroponic and solid culture systems. *JMEAST*. 8(3),198-203.
 23. Najafi Mirak, T., Najafian, G., Khorsandi, H., Moen Namini, S. and Sharagi, G., 2013. Effect of Sunn Pest Damage on Bread Making Quality of Bread Wheat Cultivars. *Seed and Plant Production J.*, 29(4): 413-427. (In Persian)
 24. Aghaee-Sarbarzeh, M., Bahari, M., Farzadi, H., Andarzian, B., Dastfal, M. and NajafiMirak T., 2014. Evaluation of grain yield and its stability in durum wheat genotypes in warm and dry areas of Iran. *Iranian Journal of Crop Sciences*. 16(1):1-11. (In Persian)
 25. Afiuni, A., Jalali, A.H., Khakpour, R., Safaei, Leili., Najafi-Mirak, T. and Akbari G.,2014. Response of bread wheat genotypes with different flowering habits to sowing date in Isfahan. *J. Crop Improvement*, 16(1): 55-68. (In Persian)
 26. Najafi Mirak, T., Shahbaz Pour Shahbazi, A., Mohammadi, A., Afshari, F., Bahari, M., Akbari Moghadam, H., Rostami, H., Lotfali Aeineh, Gh., Moayedi, A., Dastfal, M., Farzadi, H. and Ahmadi, Gh., 2015. Shabrang, New durum Wheat Cultivar for Warm and Dry Agro-Climate Zone of Iran. *Res. Ach. for Field and Horticulture Crop J.* 4(2): 89-100. (In Persian)
 27. Rahmani, A., Jafarnezhad, A., Najafi Mirak, T. and Armi, M.,2016. Parametric Stability Analyses for Grain Yield of Promising Durum Wheat Genotypes in Moderate Region of Iran. 7(6): 156-163.
 28. Yazdansepas, A., Rezaee, M., Chaichi, M., Babaei, T., Aminzadeh, G.R., Zare Feizabadi, A., Razavi, A.R., Senjari, A.G., Godsi, M., Kamel, M., Abedi, S., Nazeri, M., Ezatahmadi, M., Salehi, P., Hoseini Bay, K. Ashoori, Sh., Saeidi, A., Esmaelzadeh Moghadam, M., Najafi Mirak, T., Afshari, F., Seraj, M., Hooshyar, R., safavi, S., Ata Hoseini, M., 2017. Heydari, A New Bread Wheat Cultivar for

- Irrigated and Post-Anthesis Drought Stress Conditions in Cold Regions of Iran. Res. Ach. for Field and Horticulture Crop J. 6(2): 165-176. (In Persian)
29. Najafi Mirak, T., Dastfal, M., Andarzian, B., Farzadi, H., Bahari, M. and Zali, H., 2018. Stability Analysis of Grain Yield of Durum Wheat Promising Lines in Warm and Dry Areas Using Parametric and Non-Parametric Methods. Journal of Crop Production and Processing, 8(2): 79-96. (In Persian)
 30. Najafi Mirak, T., Dastfal, M., Andarzian, B., Farzadi, H., Bahari, M. and Zali, H., 2018. Assessment of non-parametric methods in selection of durum wheat (*Triticum turgidum* L. var. durum) stable genotypes. Agrobreeding J., 20(2): 126-138. (In Persian)

Posters and Presentations

1. Najafi Mirak, T. and Hoseinzadeh, H. 2001. Inheritance of resistance to Sunn pest (*E.integriceps*) in wheat. 4th international Triticeae Symposium, September 10-12, 2001, Cordoba, Spain
2. Najafi Mirak, T. and Saidi, A. 2001. Contribution of genetics and breeding in yield potential increase and changes in yield- related traits in Iranian released cultivars of wheat. 4th international Triticeae Symposium, September 10-12, 2001, Cordoba, Spain
3. Mohammadi, V. and Najafi Mirak, T. 2001. Resistance to Sunn pest (*E. integisepts*) in advanced lines of durum wheat (*Triticum turgidum*). 4th international Triticeae Symposium, September 10-12, 2001, Cordoba, Spain
4. Najafi Mirak, T., Zali, A. and Hoseinzadeh, A., 2002. Resistance to Russian wheat aphid *D. noxia*, in durum and bread wheats. VIIth European Congress of Entomology. 7-13 October 2002, Thessalonikii, Greece.
5. Najafi Mirak, T., Zali, A. and Hoseinzadeh, A., 2003. Inheritance and allelism of resistance to Russian wheat aphid, *D.noxia*, in Iranian wheat cultivars. Tenth International Wheat Genetics Symposium, Paestum, Italy.
6. Najafi Mirak, T. and Mohammadi, V., 2004. Resistance to Sunn pest (*E. integisepts*) in Advanced lines of Durum and Bread Wheat. Second International Conference on Sunn Pest. ICARDA, Aleppo, Syria, 19-22 July 2004.

7. Najafi Mirak, T., Mohammadi, V. and Vaezi, Sh., 2004. Resistance to Sunn pest (*E. integiseps*) in Advanced lines of Durum and Bread Wheat. 8th Crop Science Congress, Gilan, Iran. (In Persian)
8. Yazdansepas, A. and Najafi Mirak, T., 2006. Wheat breeding in cold regions of Iran. International Plant Breeding Symposium. Mixico city, Mixico.
9. Najafi Mirak, T., Azemaieshfard, P., Yazdansepas, A. and Khaloobageri, M., 2008. Genetic Response of Bread and Durum wheat and Triticale to Sunn pest, *Eurygaster integriceps* Put. 11th International Wheat Genetics Symposium. Sydney, Autsralia.
10. Nourbakhsh, A., Zali, A., Hoseinzadeh, A. and Najafi Mirak, T., 2008. Genetic study of resistance to Russian Wheat Aphid, *Diuraphis nexia* (Morduilko), in advanced durum wheat (*Triticum turgidum* var. durum) lines using diallel method. 10th Crop Science Congress, Karaj, Iran. (In Persian)
11. Rahimi, B., Yazdansepas, A., Sadegpour, N., Taeb, M. and Najafi Mirak, T., 2008. Using analysis of variance based methods for stability analysis of grain yield in Iranian winter wheat genotypes. 10th Iranian Genetic Congress. Tehran, iran. (In Persian)
12. Rahimi, B., Sadegpour, N., Yazdansepas, A., Taeb, M. and Najafi Mirak, T., 2008. Genotype by environment interaction effect on grain yield stability in Iranian winter wheat genotypes by using AMMI model. 10th Iranian Genetic Congress. Tehran, iran. (In Persian)
13. Najafi Mirak, T., Salehi, T., Gazvineh, M. and Bihamta, M.R., 2010. Genetic Diversity for Resistance to RWA in Iranian Wheat Germplasm. International Russian Wheat Aphid Workshop, Singapore, Singapore.
14. Rahimi, B., Yazdansepas, A., Sadegpour, N. and Najafi Mirak, T., 2010. Adaptability and stability of bread wheat in Cold area of Iran. 11th Iranian Genetic Congress. Tehran, iran. (In Persian)
15. Nazeri, M., Zare feizabadi, A., Koohestani, B. and Najafi Mirak, T. 2010. Response of different growth habit of wheat to delay in sowing in Mashhad. 11th Crop Science Congress, Tehran, Iran. (In Persian)

16. Ezat Ahmadi, M., Najafi Mirak, T. and Sharifi H., 2010. Response of wheat with different growth habit to delay in sowing. 11th Crop Science Congress, Tehran, Iran. (In Persian)
17. Afsah Vakili, A., Najafi Mirak, T., Peyghambari, A., Mohammadi, V. and Asgarian, M. 2011. Yield stability of bread wheat using univariate method. 5th Research Achievement Congress. Sanandaj, Iran. (In Persian)
18. Najafi Mirak, T., 2012. Studying on wheat resistance to Russian Wheat Aphid based on leaf rolling. 12th Iranian Genetic Congress. Tehran, Iran. (In Persian)
19. Najafi Mirak, T., 2012. Studying on wheat resistance to Russian Wheat Aphid based on leaf chlorosis. 12th Iranian Genetic Congress. Tehran, Iran. (In Persian)
20. Najafi Mirak, T. and sanaee, N., 2012. Identification of Genetic sources for resistance to sunn pest nymphs in durum wheat. 12th Iranian Genetic Congress. Tehran, Iran. (In Persian)
21. Najafi Mirak, T. and sanaee, N., 2012. Identification of Genetic resources for resistance to sunn pest nymphs in bread wheat. 12th Iranian Genetic Congress. Tehran, Iran. (In Persian)
22. Hayati, R., Khodarahmi, M. and Najafi Mirak, T. 2012. Genetic variation and relationship between grain yield and some traits of advanced durum wheat lines. 12th Iranian Genetic Congress. Tehran, Iran. (In Persian)
23. Sasani, Sh., Najafi Mirak, T. and Kaffashi, A.K., 2015. On farm study of superior durum-wheat elite lines compare to local checks on moderate climate field of Iran. 9th International Wheat Conference, 20-25 Sep. 2015, Sydney, Australia