

a) Personal Information

* Name	Mohammad Reza
* Surname	JALAL KAMALI
* Date of Birth	22/04/1952
* Birth Place	Khash, IRAN
* Nationality	Iranian
* Marital Status	Married
* Children	Three children. One boy and two girls
* Orchid ID	0000-0002-8733-6820

b) Education

* Secondary School Diploma	Natural Science, Razi High School, Zahedan, Iran, 1970
* B.Sc.	Crop Production, Faculty of Agriculture, The Gundi Shahpour University, Mollasani, Ahwaz, IRAN, 1974
* M.Sc.	Plant Breeding, Faculty of Agriculture, The University of Western Australia, Perth, Australia, 1995
* Ph. D.	Plant Breeding (Major: Physiological Aspects of Cereal Breeding) , The University of Western Australia, Perth, Australia, 1999

c) Career

- * **Teaching**
Lecturer at the Agricultural Education Center, Iranshahr, Iran, 1977-1978
- * **Research**
 - Cereal Breeder and Head of Experimental Field Station, Iranshahr, Iran, 1978-1981
 - Cereal Breeder and Head of Experimental Field Station, Khash, Iran, 1981-1984
 - Cereal Breeder, Zahedan, Iran, 1984-85
 - Wheat Breeder and Head of Cereal Research Project of Khorasan Province , Mashhad, Iran, 1985-1992
 - Wheat Breeder in Khorasan Agricultural Research Center, Mashhad, Iran, 1999-2000
 - Wheat Breeder and Coordinator of Wheat breeding Program in Southern Warm and Dry Zone in Iran at Cereal Research Department, Seed and Plant Improvement Institute, (SPII), Karaj, Iran, 2000-2003
 - Deputy Director General for Research, Seed and Plant Improvement Institute, Karaj, Iran, 2001-2006
 - Wheat Breeder and Head of Cereal Research Department, SPII, Karaj, Iran, 2002-2007
 - Senior Scientist, Global Wheat Program and Country Liaison Officer to Iran, International Maize and Wheat Improvement Center (CIMMYT), 2007-2011
 - Principal Scientist, Global Wheat Program and Country Liaison Officer to Iran, International Maize and Wheat Improvement Center (CIMMYT), 2012-2018
 - Head of CIMMYT-Iran Office, 2007-2018
 - Project Leader of Iran-CIMMYT Joint Project: Increasing the Productivity of Wheat and of Wheat-based C Systems in Iran, 2016-2018
 - Lead Wheat Breeder, CIMMYT-Iran Joint Project: Increasing the Productivity of Wheat and of Wheat-based Systems in Iran, 2016-2018

d) Membership

* Crop Sciences Society of Iran, 2000-	Member of the Crop Sciences Society of Iran
* Crop Sciences Society of Iran,	Member of Managerial Board and Treasure of Crop Sciences Society of Iran, 2001-2007
* Crop Sciences Society of Iran	President of the Crop Sciences Society of Iran, 2003-2005
* Crop Sciences Society of Iran	Vice-President of Crop Sciences Society of Iran, 2011-2013
* Iranian Journal of Crop Sciences	Member of Editorial Board of Iranian Journal of Crop Sciences, 2001-
* Iranian Journal of Crop Sciences	Editor in Chief of Iranian Journal of Crop Sciences, 2004-2008
* Seed and Plant Journal	Member of Editorial Board Journal of Seed and Plant, 2000-2008
* Seed and Plant Improvement Journal	Member of Editorial Board of Seed and Plant Improvement Journal-2008-

* Seed and Plant Improvement Journal	Editor in Chief of Seed and Plant Improvement Journal, 2019-
* Seed and Plant Production Journal	Member of Editorial Board of Seed and Plant Production Journal, 2008-
* Seed and Plant Production Journal	Editor in Chief of Seed and Plant Production Journal, 2008-2013 & 2019-
* Crop Breeding Journal (in English)	Member of Editorial Board of Crop Breeding Journal, 2011-
* Crop Breeding Journal (in English)	Editor in Chief of Crop Breeding Journal, 2011-
* Scientific-Technical Committee, SPII	Head of Scientific-Technical Committee, SPII, Iran, 2000-2006
* Scientific-Technical Committee, SPII	Member of Scientific-Technical Committee, SPII, Iran, 2000-
* Board of Promotion Committee, SPII	Secretary, Board of Promotion Committee, SPII, Iran, 2000-2006
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 7 th Iranian Crop Science Congress, Karaj, Iran, 2002
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 8 th Iranian Crop Science Congress, Rasht, Iran, 2004
* International Scientific Committee Iranian Crop Sciences Congress	Member of International Scientific Committee of the 7 th International Wheat Conference. Mar del Plata, Argentina, 2006
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 9 th Iranian Crop Science Congress, Tehran, Iran, 2006
* Scientific Committee of Iranian Genetic Society Congress	Member of Scientific Committee of the 10 th Iranian Crop Science Congress, Karaj, Iran, 2008
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 10 th Congress of Iranian Genetics Society, Tehran, Iran, 2008
* Iranian Genetic Society	Member of The Iranian Genetic Society, 2009
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 11 th Iranian Crop Science Congress, Iran, 2010
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 12 th Iranian Crop Science Congress, Iran, 2012
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 1st International & 13 th Iranian Crop Science Congress, Iran, 2014
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 2nd & 14 th Iranian Crop Science Congress, Iran, 2016
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 3rd International & 15 th Iranian Crop Science Congress, Iran, 2018
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 16 th Iranian Crop Science Congress, Iran, 2020
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 17 th Iranian Crop Science Congress, Iran, 2022
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 18 th Iranian Crop Science Congress, Iran, 2022
* Scientific Committee of Iranian Crop Sciences Congress	Member of Scientific Committee of the 18 th Iranian Crop Science Congress, Iran, 2022
* Agricultural and Natural Resources Engineering Organization of Alborz Province	Permanent member since 2014

e) Publications

*** Final Technical Reports for Research Projects**

- 1 Germplasm development for the cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1987-1988)
- 2 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1987-1988)

- 3 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region Iran (1987-1988)
- 4 Germplasm development for the cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1988-1989)
- 5 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1988-1989)
- 6 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region of Iran (1988-1989)
- 7 Germplasm development for the cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1989-1990)
- 8 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1989-1990)
- 9 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region of Iran (1989-1990)
- 10 Germplasm development for cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1990-1991)
- 11 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1990-1991)
- 12 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region of Iran (1990-1991)
- 13 Germplasm development for cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1991-1992)
- 14 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1991-1992)
- 15 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region of Iran (1991-1992)
- 16 Germplasm development for the cold and temperate areas in Khorasan province- using crossing diverse bread wheat genotypes (1992-1993)
- 17 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for cold and temperate region of Iran (1992-1993)
- 18 Evaluation of bread wheat genotypes in elite regional yield trials (ERWYT) for cold and temperate region of Iran (1992-1993)
- 19 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2001-2002)
- 20 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2001-2002)
- 21 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2001-2002)
- 22 Evaluation of promising bread wheat lines in elite regional yield trials (ERWYT) for the Southern Warm and Dry Zone of Iran (2001-2002)
- 23 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2002-2003)
- 24 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2002-2003)
- 25 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2002-2003)
- 26 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2003-2004)
- 27 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2003-2004)
- 28 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2003-2004)
- 38 Study of phenological variation using growing degree days and its relationships with grain yield in different bread wheat genotypes (2000-2003)
- 29 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2004-2005)

- 30 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2004-2005)
- 31 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2004-2005)
- 32 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2005-2006)
- 33 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2005-2006)
- 39 Evaluation and determination of morph-physiological traits as selection criterion for terminal drought tolerance in spring bread wheat genotypes (2000-2003)
- 40 Evaluation of morph-physiological traits in F5 segregating population and advance lines of large spike (Agropolitetra) and grain quality characteristics in spring wheat (2004-2005).
- 34 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2005-2006)
- 35 Germplasm development for the Southern Warm and Dry Zone of Iran using crossing diverse bread wheat genotypes (2006-2007)
- 36 Evaluation of bread wheat genotypes in preliminary regional yield trials (PRWYT) for the Southern Warm and Dry Zone of Iran (2006-2007)
- 37 Evaluation of bread wheat genotypes in advance regional yield trials (ARWYT) for the Southern Warm and Dry Zone of Iran (2006-2007)
- 41 Production of cultivars tolerant to terminal heat stress and increasing yield potential of bread wheat lines in southern warm zone (Zone II). Final report of five years research project.
- 42 Study of Inheritance of Stripe Rust Resistance and Gene Action Using Diallel Crosses. Registered No. 90/87. Agricultural Research, Education and Extension Organization.
- 43 Mapping of genes controlling yellow rust resistance in wheat using microsatellite markers. Registered No. 89/1661, Agricultural Research, Education and Extension Organization, Iran. 189 pp. Final report of five years research project
- 44 Annual Report of Iran-CIMMYT Joint Project: Increasing the Productivity of Wheat and Wheat-based Systems in Iran, 2017-18
- 45 Annual Report of Iran-CIMMYT Joint Project: Increasing the Productivity of Wheat and Wheat-based Systems in Iran, 2018-19

e) Publications

*** Books**

1. Sadeghian Mottahar, Mozaffari, J., Jalal Kamali, M. R., Dehghani, Shoraki, Y., Shafaadin, S., Khaksar, K., Jazaieri, M. R., Najafian, G. and Esmailzadeh Moghaddam, M. 2007. National guidelines for tests of distinctness, uniformity and stability in bread wheat. Seed and Plant Certification and Registration Institute. Karaj, Iran. 53 pp.
2. Najafian, G., Jalal Kamali, M. R. and Azimian, J. 2008. Description of Iranian grown wheat cultivars and promising lines- Based on standards of International Union for the Protection of New Varieties. Nashr-e-Amozesh Keshavarzi. Agricultural Research and Education Organization. Karaj, Iran. 208 pp. "This book was selected as the best book of the year in 2008 at AREEO, Iran".
3. Jalal Kamali, M. R., Najafi Mirak, T. and Asadi, H. 2012. Wheat: Research and development strategies in Iran. Nashr-e-Amozesh Keshavarzi. Agricultural Research and Education Organization. Karaj, Iran. 240 pp.
4. Mohammadi, R., Jalal Kamali, M. R., Amri, A., Kehel, Z. and Sadeghzadeh, B. 2026. Genotype × environment interactions and its implications for plant breeding. 400 pp. Springer Verlag. Singapore.

*** Book Chapters**

1. Saidi, A., A. Akbari, J. Mozzafari, Heidari, A., M. Seraj-Azari, B. Pirayeshfar, A. Yazdansepas, M. Torabi, A. Alizadeh, M. Vahabzadeh, H. Asadi, M. R. Jalal Kamali. 2001. Iranian Wheat Pool. Pp. 881-898. In: The World Wheat Book: A History of wheat Breeding. A. P. Bonjean and W. J. Angus (Eds.). Limagrain. London-Paris-New York.
2. Jalal Kamali, M. R., Esmailzadeh Moghaddam, M., Roustaii, M., and Afshari, F. 2011. An Overview on Wheat Status in Iran. Pp. 374-381. In: Singh, S. S., Hanchinal, R. R., Gaynendra, Singh, R. K. Sharma, B. S. Tyagi, M. S. Saharan and Indu Sharma (Eds.). Wheat Productivity Enhancement under Changing Climate. Narosa Publishing House. New Delhi, Chennai, Mumbai and Kolkata, India.
3. Ghaffari, A., and M. R. Jalal Kamali. 2013. Wheat Productivity in Islamic Republic of Iran: Constraints and Opportunities. Pp. 98-111. In: Paroda, R., S. Dasgupta, B. Mal, S. S. Singh, M. L. Jat and G. Singh (eds.). Improving Wheat Productivity in Asia.
4. Farshad, A., Jalal Kamali, M. R., Roozitalab, M. H. 2018. Land Management in Space and Time. Pp. 224-259.

In: Roozitalab, M. H., H. Siadat, and A. Frashad (Eds.) The Soils of Iran. Springer

***Peer Reviewed Papers**

English

- 1 Jalal Kamali, M. R. and Boyd, W. J. R. 2000. Quantifying the growth and development of commercial barley cultivars over two contrasting growing seasons in Western Australia. *Aust. J. Agric. Res.* 51: 487-501
- 2 Boyd, W. J., Li, C. D., Grime, C. R., Cakir, M., Potipibool, S., Kaveeta, L., Men, S., Jalal Kamali, M. R., Barr, A. R., Moody, D. B., Lance, R. G., Logue, S. J., Raman, H., and Read, B. J. 2003. Conventional and molecular genetic analysis of factors contributing to variation in the timing of heading among spring barley (*Hordeum vulgare* L.) genotypes grown over a mild winter growing season. *Australia. Aust. J. Agric. Res.* 54: 1277-1301
- 3 Mohammadi, S. A., M. Khodarahmi, Sh. Jamalirad and M.R. Jalal Kamali .2009. Genetic diversity in a collection of old and new bread wheat cultivars from Iran as revealed by simple sequence repeat-based analysis. *J. Annals of Applied Biology.* 154 (1): 1-10
- 4 Ghodsi, M., M. R. Jalal Kamali, D. Mazaheri, M. R. Chaichi. 2008. Water and radiation use efficiency in different developmental stages in four bread wheat cultivars under moisture stress conditions. *Desert.* 12: 129-137
- 5 Badakhshan, H., S. A. Mohammadi, S. Aharizad, M. Moghaddam Vahed, M. R. Jalal Kamali and M. Khodarahmi. 2008. Quantitative Trait Loci in Bread Wheat (*Triticum aestivum* L.) Associated with Resistance to Stripe Rust. *Biotechnol. & Biotechnol. Eq.* 22/2008/4. 901-906
- 6 Esmaeilzadeh Moghaddam, M., M. R. Jalal Kamali, M. Aghaee, F. Afshari and M. Roustaii. 2009. Status of Wheat and Wheat Rusts in Iran. Pp. 155-158. In R. A. McIntosh (ed.), *Borlaug Global Rust Initiative 2009 Technical Workshop Proceedings*. 17-20 March 2009. Cd. Obregon, Mexico: BGRI.
- 7 Bavi, V., Vaezi, B., Abdipour, M., Jalal Kamali, M. R. and Roustaii, M. 2011. Screening of Tolerant Spring Barleys for Terminal Heat Stress: Different Importance of Yield Components in Barleys with Different Row Type. *International Journal of Plant Breeding and Genetics*. ISSN 1819-3595/DOI: 10.3923/ijpbg2011.
- 8 Esmaeilzadeh Moghaddam, Jalal Kamali, M. R., Kazemi, S., Amini, A., Bozorgipour, R., Najafian, G. and Baghaei, N. 2011. Assessment of high molecular weight glutenin sub-units and baking quality related traits in some of the Iranian bread wheat (*Triticum aestivum* L.) landraces. *Crop Breeding Journal* 1(1): 29-40.
- 9 Joshi, A. K., Azab, M., Mosaad, M., Osmanzai, M., Gelalcha, S., Bedada, G., Bhatta, M. R., Hakim, A., Malaker, P. K., Haque, M. E., Tiwari, T. P., Majid, A., Jalal Kamali, M. R., Bishaw, Z., Singh, R. P., Payne, T. and Braun, H. J. 2011. Delivering rust resistance wheat to farmers: A step towards increased food security. *Euphytica* 179(1): 187-196
- 10 Rezaei, M., Zehtab-Salmasi, S., Najafi, N. Ghasemi-Golezani, K. and Jalal Kamali, M. R. 2010. Effects of water deficit on nutrient content and grain protein of bread wheat genotypes. *Journal of Food, Agriculture & Environment* 8(3&4): 132-136
- 11 Lopes, M. S., M. P. Reynolds, M. R. Jalal-Kamali, M. Moussa, Y. Feltaous, I. S. A. Tahir, N. Barma, M. Vargas, Y. Mannes, M. Baum. 2012. The yield correlations of selectable physiological traits in a population of advanced spring wheat lines grown in warm and drought environments. *Field Crops Research* 128:129-136.
- 12 Moshatati, A., S. A. Siadat, Kh. Alami Saeid, A. M. Bakhshandeh and M. R. Jalal Kamali. 2012. Effect of Terminal Heat Stress on Yield and Yield Components of Spring Bread Wheat Cultivars in Ahwaz, Iran. *International Journal of Agriculture: Research and Review* 2 (6): 844-849
- 13 Derakhshani, B., S. A. Mohammadi, M. Moghaddam and M. R. Jalal Kamali. 2012. Molecular characterization of vernalization genes in Iranian wheat landraces. *Crop Breeding Journal* 3 (1): 1-11.
- 14 Derakhshani, B., S. A. Mohammadi, M. Moghaddam and M. R. Jalal Kamali. 2013. Allelic Variation of VRN-1 Locus in Iranian Wheat Landraces. *Journal of Plant Physiology and Breeding* 1(1):45-56.
- 15 Sharma, R. C., S. Rajaram, S. Alikulov, Z. Ziyaev, S. Hazratkulova, M. Khodarahmi, S. M. Nazeri, S. Belen, Z. Khalikulov, M. Mosaad, Y. Kaya, M. Keser, Z. Eshonova, A. Kokhmetova, M. G. Ahmedov, M. R. Jalal Kamali and A. I. Morgounov. 2013. Improved winter wheat genotypes for Central and West Asia. *Euphytica*: DOI 10.1007/s10681-012-0732-y
- 16 Lopes, M. S., M. P. Reynolds, C. L. McIntyre, K. L. Mathews, M. R. Jalal Kamali, M. Moussa, Y. Feltaous, I. S. A. Tahir, R. Chatrath, F. Ogbonnaya, and M. Baum. 2013. QTLs for yield and associated traits in the Seri/Babax population grown across several environments in Mexico, in the West Asia, North Africa, and South Asia regions. *Theor. Appl. Genet.* 126: 971-984
- 17 Zarei, B., Naderi, A., Jalal Kamali, M. R., Lack, Sh. and Modhej, A. 2013. Determination of physiological traits related to terminal drought and heat stress tolerance in spring wheat genotypes. *International Journal of Agriculture and Crop Science* 5 (21): 2511-2520.
- 18 Zarei, B., A. Naderi, M. R. Jalal Kamali, Sh. Lack and Adel. Modhej. 2014. Phonological Traits, Yield Components and their Relationship with Grain Yield Stability in Spring Wheat Genotypes Under Terminal Heat Stress Conditions. *Advances in Environmental Biology* 8(10): 1177-1184

- 19 Tahmasebi, S., B. Heidari, H. Pakneyat, and M. R. Jalal Kamali. 2014. Independent and combined effects of heat and drought stress in the Seri M82 3 Babax bread wheat population. *Plant Breeding* 133: 702-711
- 20 Esmaeilzadeh Moghaddam, M., M. R. Jalal Kamali, Z. Anet, M. Roshani and M. Ghodsi. 2014. Temporal variation in phenological characteristics, grain yield, and yield components of spring bread wheat (*Triticum aestivum* L.) cultivars released in Iran between 1952 and 2009. *Crop Breeding Journal* 4(1): 57-64
- 21 Ramazani, S. H. R., M. Ebrahimi, H. Ghazvini, M. R. Jalal Kamali and A. Izadi Darbandi. 2015. Geographical distribution of vernalization genes in Iranian wheat varieties and lines. *Cereal Research*, Vol. 5 (2): 159-175
- 22 Reynolds, M. P., A. Pask, A. Torres, Y.N. Quiche, G. Molero, S. Sukumaran, P. Figueroa, E. Solis, J. Ireta, A. Borbon, M. R. Jalal Kamali, M. Hussain, A. Firoz Ahmad, M. Rahman, G. Ahmad, M. Dastfal, A.R. Nikzad, S. M. Tabib- Ghaffary, M. Khodarahmi, M. Abdul Hakim, A.K. Joshi. 2015. Pre-Breeding for yield potential: Summary of International Data from 2nd WYCYT and Performance of Pipeline Material. *Proceedings of the International TRIGO*
- 23 Ramazani, S. H. R., M. Ebrahimi, H. Ghazvini, M. R. Jalal Kamali and A. Izadi-Darbandi. 2015. Growth Habit and Vernalization Requirement in some of Iranian Bread Wheat Cultivars. *Biological Forum – An International Journal* 7(1): 1360-1368
- 24 Sukumaran S, M.P. Reynolds, A.J.D Pask, G Molero, A. Torres, Y.N. Quiche, T. Payne, R. Ernesto Solís-Moya, Miguel A. Camacho-Casas, Pedro Figueroa-López, Javier Ireta Moreno, Jorge I. Alvarado-Padilla, Alberto Borbón-Gracia, R. Chatrath, G.P. Singh, V.S. Sohu, G.S. Mavi, V.S.P. Sakuru, R. Naik, S. Biradar, V.K. Mishra, B. Arun, R. Ud-din, S. Kundi, M. Hussain, S.R. Upadhyay, D Pandey, N.C.D. Barma, A. Hakim, Assad Ahmed Hamada, M. Dastfal, A.R. Nikzad, S. M. Tabib- Ghaffary, M. Khodarahmi, H. Akbari Moghaddam, M.R. Jalal-Kamali, A.K. Joshi, 2016. International performance of physiological trait (PT) based lines of the 4th Stress Adaptive Trait Yield Nursery (4th SATYN). In: Reynolds M, et al, (2016). *Proceedings of the 2nd International TRIGO (Wheat) Yield Potential Workshop 2016*. CENEB, CIMMYT, Cd. Obregón, Sonora, Mexico, 9-10 March 2016. Mexico, DF.: CIMMYT
- 25 Zarei Abbasabad, E., Mohammadi, S. A., Moghaddam, M. and Jalal Kamali, M. R. 2016. Analysis of genetic diversity, population structure and linkage disequilibrium in Iranian wheat landraces using SSR markers. *Plant Genetic Resources*: 1–8
- 26 Esmaeilzadeh Moghaddam, M., M. R. Jalal Kamali, N. Soda, S. Sadre Jahani, and M. Ghodsi. 2016. Temporal variation in phenological and agronomic traits of some irrigated facultative/winter bread wheat (*Triticum aestivum* L.) cultivars released between 1943 and 2011 in Iran. *Crop Breeding Journal* 4, 5 and 6 (2; 1 and 2): 9-16.
- 27 Asadi, H., Zamanian, Gh., Shahiki Tash, M. N., Ghorbani, M., and Jalal Kamali, M. R. 2017. An Economic Analysis of Wheat Breeding Programs for Some Iranian Irrigated Bread Wheat Varieties. *Agricultural Economic Review* 18 (1): 5-18.
- 28 Esmaeilzadeh Moghaddam, M., Jalal Kamali, M. R. , Pena, R. J. and Najafian, G. 2017. Genetic diversity for high- and low-molecular weight glutenin subunits in local and commercial bread wheat cultivars released since 1951 in Iran: I- Irrigated. *Crop Breeding Journal* (1 & 2): 1-7.
- 29 Esmaeilzadeh Moghaddam, M., Jalal Kamali, M. R. , Pena, R. J. and Roostaei, M.. 2017. Genetic diversity for high- and low-molecular weight glutenin subunits in local and commercial bread wheat cultivars released since 1951 in Iran: II- Rainfed. *Crop Breeding Journal* (1 & 2): 9-14.
- 30 Reynolds, M. P., A. J. D. Pask, W. J. E. Hoppitt, K. Sonder, S. Sukumaran, G. Molero, C. Saint Pierre, T. Payne, R. P. Singh, H. J. Braun, F. G. Gonzalez, I. I. Terrile, N. C. D. Barma, A. Hakim, Z. He, Z. Fan, D. Novoselovic, M. Maghraby, Kh. I. M. Gad, E. G. Galal, A. Hagra, M. M. Mohamed, A. F. A. Morad, U. Kumar, G. P. Singh, R. Naik, I. K. Kalappanavar, S. Biradar, S. V. Sai Prasad, R. Chatrath, I. Sharma, K. Panchabhai, V. S. Sohu, G. S. Mavi, V. K. Mishra, A. Balasubramaniam, M. R. Jalal-Kamali, M. Khodarahmi, M. Dastfal, S. M. Tabib-Ghaffari, J. Jafarby, A. R. Nikzad, H. Akbari Moghaddam, H. Ghogh, A. Mehraban, E. Solís-Moya, M. A. Camacho-Casas, Pedro Figueroa-López, Javier Ireta-Moreno, Jorge I. Alvarado-Padilla, Alberto Borbón-Gracia, Araceli Torres, Yei N. Quiche, S. R. Upadhyay, D. Pandey, M. Imtiaz, M. U. Rehman, M. Hussain, M. Hussain, R. Ud-Din, M. Qamar, M. Kundi, M. Y. Mujahid, G. Ahmad, A. J. Khan, M. A. Sial, P. Mustatea, E. von Well, M. Ncala, S. de Groot, A. H. A. Hussein, I. S. A. Tahir, A. A. M. Idris, H. M. M. Elamein, Y. Manes, A. K. Joshi. 2017. Strategic crossing of biomass and harvest index—source and sink—achieves genetic gains in wheat. *Euphytica* 213-257.
- 31 Roostaei, M., M. R. Jalal Kamali, E. Roohi and R. Mohammadi. 2018. Evaluation of Sardari bread wheat ecotypes under the rainfed cold conditions of Iran. *The Journal of Agricultural Science* 156: 504–514.
- 32 Lopes, M. S., C. Royo, F. Alvaro, M. Sanchez-Garcia, Emel Ozer, F. Ozdemir, M. Karaman, M. Roustaii, M. R. Jalal-Kamali, and D. Pequeno. 2018. Optimizing Winter Wheat Resilience to Climate Change in Rainfed Crop Systems of Turkey and Iran. *Frontiers in Plant Sciences* 9:563. doi: 10.3389/fpls.2018.00563
- 33 Mahdi Nezhad, N., Jalal Kamali, M. R., MacIntyre, C. L., Fakheri, B. A., Omid, M., Masoudi, B., 2019. Mapping QTLs with main and epistatic effect on Seri 'M82 × Babax' wheat population under salt stress. *Euphytica* 215 (7): DOI: 10.1007/s10681-019-2450-1.
- 34 Vikram, P., Franco, J., Burgueño, J., Li, H., Sehgal, D., Saint-Pierre, C., Ortiz, C., Singh, V. K., Sneller, C., Sharma, A., Tattaris, M., Guzman, C., Pena, J., Sansaloni, C. P., Campos Serna, J. A., Karthikeyan Thiagarajan, K.,

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- 3 Nazeri, M., and Jalal Kamali, M. R. 2006. Study of Phyllochron in hexaploid triticale genotypes (X *Triticosecale wittmack*) under optimum and moisture limited conditions. The 9th Iranian Crop Sciences Congress. Aug. 27– 29, 2006. Tehran– Iran
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- 6 Pirayeshfar, B. Jalal Kamali, M. R., Najafian, G., Keshavarz, A., Nourinia, A., Lotfinejad, L., Ghasemi, M., Khavarinejad, S., Ayeneh, G. A. L., Dastfal, M., Tabib Ghaffari, S. M., Abedini, M., Bahari, M., Koohkan, Sh. A., Afiooni, D., Saberi, M. H., Ghodsi, M., Jafarnejad, A., Amin, H., Shaabanzadeh, B., Ahmadi, Gh., Abdi, H., Meibodi Yazdi, H., Abedi Oskooie, M. S., Rezai, M., Aminzadeh, Gh.R., Razavi, A. R., Soltani, R., Salrhi, P., Hossseini, S. K., Amiri Jabal Barez, F. and Babie, T. 2004. Evaluation of quality of in-country produced wheat in 2003 – 2004 cropping season. The 9th Iranian Crop Sciences Congress. Aug. 27 – 29, 2006. Tehran– Iran
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- 10 Asadi, H., Jalal Kamali, M. R., Daneshian, J., Omid, A. H. Hasan Abadi, H. Fouman Ajirloo, A., Imani, A., Arshad, Y., Beyzai, E., Hosaini, A. H. and Shokoohi, M. H. 2008. Impact analysis of some research achievements of Seed and Plant Improvement Institute (SPII). The 10th Iranian Congress of Crop Sciences. 18-20 Aug. 2008. Karaj, Iran.
- 11 Moshatati, A., Siadat S. A., Fatahi, Gh., Jalal Kamali, M. R. and Alidadi, V. 2008. Effect of grain weight on seed germination and seedling growth in bread wheat cv. Pishtaz. The 10th Iranian Congress of Crop Sciences. 18-20 Aug. 2008. Karaj, Iran.
- 12 Khodarahmi, M., Mohammadi, S. A. and Jalal Kamali, M. R. 2009. Determination of informative markers for some traits associated with resistance to yellow rust in wheat. 6th National Biotechnology Congress of Iran. 13-15 August 2009. Milad Tower Conference Hall, Tehran, Iran.
- 13 Majdi, M., Jalal Kamali, M. R., Eradatmand Asli, D. and Moradi, F. 2012. Grouping of spring wheat genotypes in response to terminal drought stress. In: Proceedings of the 12th Iranian Crop Sciences Congress. 4-6 September 2012. Karaj Branch, Islamic Azad University, Karaj, Iran.
- 14 Ghazvini, H., Ramazani, S. H. R., Jalal Kamali, M. R., Ebrahimi, M., and Dreisigacker, S. 2014. Allelic diversity of vernalization and photoperiod genes in Iranian wheat lines and cultivars. pp.1-10. In Proceedings of 1st International and 13th Iranian Genetic Congress.
- 15 Asadi, H., Zamanian, G. R., Shahiki, M. N., Ghorbani, M., and Jalal Kamali, M. R. 2019. Impact of Irrigated Improved Wheat Varieties on Reducing Cost of Production and Increasing of Return. In: Proceedings of the 2nd International and 14th National Crop Sciences Congress of Iran. 30 Aug.-01 Sept. 2016, University of Guilan, Rasht, Iran.

Reviewer of Articles for Peer Reviewed Journals

- 1- Field Crops Research
- 2- Euphytica
- 3- Seed and Plant
- 4- Iranian Crop Sciences
- 5- Applied Field Crops Research
- 6- Iranian Journal of Field Crops Research
- 7- Journal of Soil Research
- 8- Research Achievements for Field and Horticultural Crops
- 9- Journal of Agroecology
- 10- Journal of Plant Physiology and Breeding

Miscellaneous

- 1 Keshavarz, A., Jalal Kamali, M. R., Dehghani, A. B., Hamid Nejad, M., Sadri, B., Hydari, A. and Mohsenin, M. 2002. National Pilot Plan for Increasing Irrigated and Dryland Wheat Grain Yield and Production in Iran.

- 2 Jalal Kamali, M. R., Asadi, H. and Najafi Mirak, T. 2009. Irrigated and Dryland Wheat Strategic Research Program. Registered by Agricultural Research, Education and Extension Organization.
- 3 Asadi, H., Jalal Kamali, M. R., Daneshian, J. Omid Tabrizi, A. H., Hasanabadi, H. Fouman Ajirloo, A., Imani, A., Arshad, Y., Hosseini, A. H., Shokoohi, M. H., and Bayzaee, I. 2006. Impact assessment of research achievements in Seed and Plant Improvement Institute. Published by Seed and Plant Improvement Institute. 186 pp.

f) Thesis

Supervisor

M.Sc.	2
Ph. D.	4

Advisor

M. Sc.	6
Ph. D.	10

g) Significant Achievements

- 1 Release of 7 bread wheat cultivars
- 2 Release of one barley cultivar
- 3 Recognition as Influential Crop Science Scientist in 2012 by Crop Science Society of Iran
- 4 Recognition as Distinguished Cereal Breeder in 2013 by the Farmer's House of Iran
- 5 Recognition as Distinguished Agriculture Engineer in 2016 by the Academy of Science of Iran.
- 6 Recognition for High Contribution to Increasing Self-reliance Coefficient and Sustainability of Agricultural Production in Iran by the Minister of Agriculture of Iran.
- 7 Recognition for High Contribution to Wheat Research and Production in Iran and International Level by Global Wheat Program, CIMMYT.
- 8 Recognition as Selected Pioneer Scientist by the selection committee of the National Science Week of Iran in 2020.
- 9 Recognition for Contribution to Improving the Quality of Seed and Plant and Crop Breeding Journals as Editor-in-Chief, by Director General of Seed and Plant Improvement Institute in July 2022.