

Curriculum Vitae



Personal Information:

Name : **Khaled Ahmed Ahmed Moustafa**
Date of Birth : **2/9/1949**
Nationality : **Egyptian**
Marital Status : **Married**
Languages : **English and German**
Address : **Field Crops Institute, Agricultural
Research Center, Giza, Egypt.**
E-mail : **khaledam100@hotmail.com**

Education and Academic Qualifications:

- ☐ **B.Sc.** **Agricultural Sciences (Genetics) June 1971,
Faculty of Agriculture, Alexandria University.**
- ☐ **M.Sc.** **Agricultural Sciences (Genetics) 1980, Faculty of
Agriculture, cairo University.**
- ☐ **Ph.D.** **Agricultural Sciences (Plant Breeding) 1986,
Gottingen University -Germany.**

Posts Held:

- **Research Assistant at Field Crops Institute, Agricultural Research Center, Giza, Egypt 1973.**
- **Research Associate at Field Crops Institute, Agricultural Research Center, Egypt 1978.**
- **Lecturer (Researcher) at Field Crops Institute, Agricultural Research Center, Egypt 1987.**
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- **Assistant professor at Field Crops Institute, Agricultural Research Center, Egypt 1995.**
- **Professor at Field Crops Institute, Agricultural Research Center, Egypt 2004.**

Research Interest and Experience:

- **Wheat and Barley team Leader , Field Crops Institute , Agricultural Research Center, Egypt 1980.**
- **Develop new Barley varieties i. e. Giza 123, Giza 124 ,Giza 2000 and promising wheat Liens .**
- **Improved Wheat and Barley varieties by breeding for high yielding capacity, heat and drought tolerance, Department of Plant Production College of Agriculture King Saud University, Saudi Arabia.**
- **Develop an appropriate package of cultural practices.**
- **Supervise all research and extension activities and seed production projects at Field Crops Institute ,Agricultural , Research Center, Egypt .**
- **Multiply breeder and basic seeds for wheat and barley cultivated varieties.**

Teaching:

- 1- Principles of Genetics**
- 2- Statistics and Design of Field Experiments**
- 3- Principles of Plant Breeding**

LIST OF PUBLICATION :

M. N. Barakat, Khaled A. Moustafa , M. Saleh, A. A. Al-Doss, A. A. Elshafei, A. K. Salem, F. H. Al- Qurainy (2015). Identification of new SSR markers linked to leaf chlorophyll content, flag leaf senescence and cell membrane stability traits in wheat under water stressed condition. <i>Acta Biologica Hungarica</i> 66 (1): 93–102.	ISI	2015
Mohamed N. Barakat, A. A. Al-Doss, K A. Moustafa, A. A. Elshafei, A. K. Salem (2015) Identification of QTLs for four physiological traits in an advanced backcross population of wheat under drought stress. <i>Plant Omics J</i> 8(2):122-129.	ISI	2015
M. N. Barakat, Khaled A. Moustafa , M. Saleh, A. A. Al-Doss, A. A. Elshafei, A. K. Salem, F. H. Al- Qurainy (2015). Mapping of QTL associated with abscisic acid and water stress in wheat (<i>Triticum aestivum</i> L). <i>Biologia Plantarum</i> (DOI)10.1007/s10535-015-0499-9.	ISI	2015
Khaled A. Moustafa , M. Saleh, A. A. Al-Doss, A. A. Elshafei, A. K. Salem, F. H. Al- Qurainy, M. N. Barakat (2014). Identification of TRAP and SRAP markers linked with yield components under drought stress in wheat (<i>Triticum aestivum</i> L.), <i>POJ</i> 7(4):253-259 (2014) ISSN:1836-3644	ISI	2014
M.S. Saleh, A.A. AL-Doss, A.A. ELshafei, K.A. Moustafa , F.H. AL-Qurainy, and M.N. Barakat (2014). Identification of new TRAP markers linked to chlorophyll content, leaf senescence, and cell membrane stability in water-stressed wheat, <i>Biologia Plantarum</i> 58 (1): 64-70, DOI: 10.1007/s10535-013-0351-z.	ISI	2014
Barakat M. N., A. A. Al-Doss, A. A. Elshafei, K. A. Moustafa and E. A. Ibrahim (2013). Assessment of genetic diversity among wheat doubled haploid plants using TRAP markers and morpho-agronomic traits <i>Australian J. Crop Science</i> 7(1):104-111.	ISI	2013
AA Elshafei, MS Saleh, AA Al-Doss, KA Moustafa , FH Al-Qurainy and MN Barakat (2013). Identification of new SRAP markers linked to leaf chlorophyll content, flag leaf senescence and cell membrane stability traits in wheat under water-stress condition. <i>Australian J. of Crop Science</i> 7:887-893.	ISI	2013

Abdelhalim I. Gahazy, Abdalla Zounouy, K.A. Moustafa and A.A. Al-Doss (2012). Molecular screening of high molecular weight glutenin genes in spring bread wheat genotypes in Saudi Arabia. International Journal of Food, Agriculture & Environment Vol.10(1),157-161.	ISI	2012
Ahmed A.M. Dawabah, Ahmad S. Al-Hazmi, Soloiman M. Al-Rehiyani, Ahmed L. Abdel-Mawgood, Mohamed I. Motawei, Soleman Al-Otayk, Monther T. Sadler, Abdallah M. Elgorban, Hussein M. Migdadi, Khaled A. Moustafa and Abdullah A. Al-Doss (2012). Molecular and molecular characterization of cereal cyst nematode (Heterodera avenae) populations from arid environments Australian J. Crop Science 6(6):970-979.	ISI	2012
Barakat M. N., A. A. Al-Doss, A. A. Elshafei, K. A. Moustafa and E. A. Ibrahim (2012). Anther culture response in wheat (Triticum aestivum L.) genotypes with HMW alleles. Cereal Research Communications 40 (4), 583-591.	ISI	2012
Barakat M. N., A. A. Al-Doss, A. A. Elshafei and K. A. Moustafa (2012). Bulk segregant analysis to detect QTL related to heat tolerance at grain filling rate in wheat using SSR markers. African journal of Biotechnology 11(61), 12436-12442.	ISI	2012
Barakat MN; A.A. Al-Doss, A.A. El-Shafei and K.A. Moustafa (2011). Identification of new microsatellite marker linked to the grain filling rate as indicator for heat tolerance genes in F2 wheat population. Australian J. Crop Science 6(2):104-110.	ISI	2011
Barakat MN; A.A. Al-Doss, K.A. Moustafa , A.A. El-Shafei and M. Saleh (2011) Comparative analysis of diversity based on morpho-agronomic traits and molecular markers in durum wheat under heat stress. African Journal of Biotechnology Vol. 10 (19):3671-3681.	ISI	2011
Al-Doss AA, Al-Hazmi AS, Dawabah AAM, Abdel-Mawgood AA, Moustafa KA , Al-Rehiyani SM, Al-Otayk S, Motawei MI (2010) Impact of peroxidase and Cre resistance genes of selected new wheat lines on cereal cyst nematode (Heterodera avenae woll) resistance. Australian J. Crop Science 5(9):737-743.	ISI	2010
Al-Doss, AA, MN Barakat, K.A. Moustafa , A.A. El-Shafei and M. Saleh (2010) Grain yield stability and molecular characterization of durum wheat genotypes under heat stress conditions. African J. Agricultural Research 5 (22): 3065-3074.	ISI	2010

Al-Doss A A; K A Moustafa ; Eid I Ahmed; AA Elshafei and M N Barakat (2009) Assessment of genetic diversity in Saudi wheat genotypes under heat stress using molecular markers and agronomic traits. Global Science Books. Inter. J. of Plant Breeding 3:103-110.	ISI	2009
Al-Doss AA, Al-Hazmi AS, Dawabah AAM, Abdel-Mawgood AA, Moustafa KA , Al-Rehiyani SM, Al-Otayk S, Motawei MI (2009) Use of		

molecular marker for screening wheat germplasm for cereal cyst nematode resistance genes (Cre) in Saudi Arabia. In 'Cereal cyst nematodes: status, research and outlook.' (Eds IT Riley, JM Nicol, AA Dababat) pp. 177-182.(CIMMYT: Ankara, Turkey).		2009
Barakat MN, A A Al-Doss; K A Moustafa ; Eid I Ahmed and A A Elshafei (2009) Morphological and molecular characterization of Saudi wheat genotypes under drought stress. J. of Food, Agricultures &Environment Vol.7 (4):132-140.	ISI	2009

M. I. Motawei, A. A. Al-Doss and **Kh. A. Moustafa** 2007. Genetic diversity among selected wheat lines differing in heat tolerance using molecular markers J. Food, Agriculture & Environment vol 5(1):84-87 (ISI).

Al-Doss A. A., **Kh. A. Moustafa** and M. O. Ghandorh 2004. Performance of Newly Selected Promising Lines of Wheat under Different Environments in the Riyadh Region.J. Saudi Soc. for Agric.,Vol. 2:69-77.

Moustafa, Kh. A. 2002. Grain yield and filling parameters as affected by irrigation scheduel in barley. J. Agric. Sci. Mansoura Univ. 27 (7): 4435-4444.

Moustafa, Kh. A. 2002.Diallel cross analysis of some quantitative traits in barley. Zagzaig Journal of Agricultural Research.vol 29 (4): 1069-1079.

Al-Derfasi, A.A., and **Kh.A. Moustafa** (2001). Evaluationoin of different stress techniques for selection wheat drought tolerance at post- anthesis stage. J. Agric.Sci. Mansoura Univ., 26(8): 3663-3672.

Molan, Y., A.A. Al- Doss, S. El- Hussieni and **Kh. A. Moustafa**. 2001. Evaluation of wheat genotypes against Bipolaris sorokiniana causing spot blotch .Alex. J. Agric. Res. 46 (3):99-105.

Al-Doss A.A., M.O. Ghandorah and **Kh.A. Moustafa**. 2000. Effect of planting dates and cutting treatments on production of dual-purpose barley in the central region of Saudi Arabia . Res. Bull. No. 87 , Agric. Res . center, King Saud Univ., 5-23.

Al-Dserfasi, A.A., Ghandorah, M.O. and **Kh.A. Moustafa** (1999). Evaluation of some wheat genotypes under drought stress in arid region of Saudi Arabia. *Alex. J. Agric. Res.* 44(3):209-217.

Abo-El-Enin , R.A.; I.A. Ahmed , A.A. El-Sayed, A.S. El- Gamal , A.M. El-Sherbini ,A.M.O. El-Bawab , A.A. El- Hag ,M.M. Abd El-Hamed , F.A. Asaad, M.A. Megahed, M.A. El-Moselhy, **Kh.A. Moustafa** ,M.M. Noaman, M.M. Mahrous, and El-Sayed Dessouki. 1998. Giza 124 , A new barley variety for upper Egypt . *Egypt. J . Appl. Sci.*, 13(3):100-109, 1998.

Ahmed, I.A. , A.S. El-Gamal, R.A. Abo-El-Enin, A. A. El-Sayed, A. A. El- Hag, A. M. O. El- Bawab, A.M. El- Sherbini, M.A. Ei-Moselhy, F.A. Asaad, M. A. Megahed, **Kh. A. Moustafa**, M. M. Abd El-Hamed, M. M. Mahrous, M. M. Noaman and R.A. Rizk. 1998. Giza 123, A new barley variety for the newly reclaimed areas in Egypt. *Egypt. J. Appl. Sci.*, 13(3): 83-92, 1998.

Kh.A. Moustafa and Y.A. Refay. 1998. Effect of planting dates and seeding rates on some barley genotypes grown under the conditions of central Region of Saudi Arabia .*Arab Gulf J. Sci .Res.*, 16(3):643-656.

Moustafa Kh.A., M.O. Ghandorah and S.S. Soliman . 1998. Field evaluation of F3 and F5 families of bread wheat under heat and drought stress at central region of Saudi Arabia. *Alex .J. Agric. Res* .43(3):27-38.

Ghandorh, M. O., L.L. El- Shawaf, **Kh. A. Moustafa** and A. M. Gadallah. 1997. Evaluation of some early generations of bread wheat genotypes grown under heat and water stress at the Central Region of Arabia. *Arab Gulf.J. Sci. Res.*, 15 (2), pp. 505-523.

Ghandorah M.O., I.I.S.El-Shawaf and **Kh .A.Moustafa**(1995). A diallel cross analysis of some quantitative traits in bread wheat (*Triticum aestivum* L.) .*J. King Soud Univ .*, Vol.7, *Agric .Sci .*(2):229-238.

El-Sayed ,A.A., F.A.Assad, A.M. El-Sherbini, M.A. Megahed and **Kh. A. Moustafa** (1994). Effect of seed rate and sowing methods on the newly released barley cultivar Giza 123 grown under rainfed areas, newly reclaimed lands and saline soils. *Proc. 6th Conf. Agron .*, Al-Azhar Univ., Cairo, Egypt, Vol. I : 419-434.(A)

El-Sayed, A.A., **Kh. A. Moustafa**, M.M. Noaman and A.M.O. El-Bawab.(1994). Estimates of stability parameters for barley genotypes. Com. In Sci .and Dev. Res. No.729, Vol. 48:51-66.

Ghandorh M. O., I.I.S.El-Shawaf and **Kh.A. Moustafa** (1994). Influence of inflated heritability estimated on gain of selection in early generations pf spring wheat (*Triticum aestivum*). J. King Saud Univ., Vol. 6, Agric. Sci. (2):289-299.

Silman Z.T., Y.A. Refay and **Kh.A. Moustafa** 1994. Effects of Cycocel rate and time of application on performance of two bread wheat cultivars Res bull., No 44 , college of Agric ., Agric.Res. Center, King Saud Univ.

Ghandorah M. O., I.I.S. El-Shawaf and **Kh.A.Moustafa** (1994) . Genetic evaluation of some quantitative traits in barley grown under semi arid environment. Egypt. J.Appl.Sci. 9 (4):244-258.

Projects shared:

co- investigator of the project CEBR2-08 supported by Center of Excellence in Biotechnology Research, King Saud University, Riyadh, Saudi Arabia.(Mapping QTLs For Traits Linked To Heat Tolerance Genes During Grain Filling in Spring Wheat). 2009-2012).

co- investigator of the project AR-29-2008 supported by King Abdul-Aziz City for Science and Technology, KSA. (Molecular Markers and Doubled Haploid Production for Development of Saudi Wheat with Excellent Bread-making Quality).2009-2012)

co- investigator of the project 12-BIO2675-02 supported by National Plan for Science and Technology (NPST) (Mapping of the quantitative trait loci (QTL) for bread making quality and agronomic traits in spring wheat under heat stress condition). 2013- 2015

Conferences:

Mohamed N. Barakat¹, Abdullah A. AL-Doss, Abdelhalim Ibrahim Ghazi, **Khaled A. Moustafa** and Adel A. Elshafei (2013). Production of Doubled Haploid Lines with High-Molecular-Weight Alleles via Microspore Cultures in Wheat. Plant and Animal Genome XX, san Diego, California-USA 12-16 January 2013.

M.N. Barakat¹, A. A. Al-Doss, M. S. Saleh, A. A. Elshafei, **K. A. Moustafa**, F. H. Al-Qurainy (2013). Identification of new TRAP markers for three physiological traits under water-stress in wheat. Plant Genetics and Breeding Technologies VIPCA 2 Congress February (2013) Austria.

Abdullah Abdulaziz Al-Doss , Adel Ahmed Elshafei , **Khaled Ahmed Moustafa**, Eid ibrahim Ahmed and Mohamed Najeb Barakat (2009). Assessment of Genetic Diversity in Saudi Wheat Genotypes Under Heat Stress Using Molecular Markers and Agronomic Traits Plant and Animal Genome XX, san Diego, California-USA 12-16 January 2009

Abdullah Abdulaziz Al-Doss, Adel Ahmed Elshafei, **Khaled Ahmed Moustafa** and Mohamed Najeb Barakat (2012). Quantitative and micro satellite characterization of heat tolerance at grain filling rate in wheat Plant and Animal Genome XX, san Diego, California-USA 15-19 January 2012

Mohamed Najeb Barakat., Abdullah Abdulaziz Al-Doss, Adel Ahmed Elshafei., Abdelhalim Ibrahim Ghazy., **Khaled Ahmed Moustafa** (2013). Assessment of genetic diversity among wheat doubled haploids using TRAP markers and morphoagronomic traits. Plant Genetics and Breeding Technologies VIPCA 2 Congress February (2013) Austria.