



ELSAYED MANSOUR ELSAYED

Assistant Professor of Plant Breeding

Education:

European PhD in Plant Breeding, Lleida University (UdL), Spain, April 2013, with qualification *cum laude*. Thesis entitled, Analysis of the efficiency in the Spanish National Barley Breeding Program. Past results and prospects for future improvements using molecular markers.

<http://www.tdx.cat/handle/10803/111291>

European PhD criteria

<http://inseed.cimr.pub.ro/en/documents/Legislatie%20Europeana/EURODOCTORATE.pdf>

M.Sc. in Plant Breeding (120 ECTS), Lleida University (UdL), Spain, joint with Mediterranean Agronomic Institute of Zaragoza (IAMZ), Spain, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), with qualification *cum laude*, October 2010. Thesis entitled, Yield gain and genotype by environment interaction in the Spanish National Barley Breeding Program.

<http://agris.fao.org/agris-search/search.do?recordID=QC2010600021>

Postgraduate Specialisation Diploma in Plant Breeding (60 ECTS), The Mediterranean Agronomic Institute of Zaragoza (IAMZ), Spain, The International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), October 2008 to June 2009.

B.Sc. Agriculture Science of Agronomy, Faculty of Agriculture, Zagazig University, Egypt, June 2005, Excellent with honour degree “90.67%”.

Nationality: Egyptian

Date of birth: 10th July 1984

Civil status: Married
Have three kids

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Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=55329805400>

ResearchGate:

https://www.researchgate.net/profile/Elsayed_Mansour3

Google Scholar:

<https://scholar.google.com/eg/citations?user=DGSEpDQAAAAJ&hl=en>

Experience:

13/2/2020 up-till now

Assistant professor of plant breeding (50% teaching + 50% research) Agronomy Department, Faculty of Agriculture, Zagazig University, **Egypt**

13/8/2019 to 12/2/2020

Postdoctoral researcher, Aula Dei Experimental Station, Spanish National Research Council, **Spain**

30/10/2018 to 12/8/2019

Assistant professor of plant breeding (50% teaching + 50% research) Agronomy Department, Faculty of Agriculture, Zagazig University, **Egypt**

24/9/2013 to 30/10/2018

Lecturer of plant breeding (50% teaching + 50% research) Faculty of Agriculture, Zagazig University, **Egypt**

1/11/2008 to 24/4/2013

Research assistant, Aula Dei Experimental Station, Spanish National Research Council, **Spain**

28/6/2012 to 21/8/2012

Visiting Scholar (research), Oregon State University, **United States**

21/2/2011 to 20/7/2011

Visiting Scholar (research), The James Hutton Institute, Invergowrie, Dundee, **Scotland, UK**

3/10/2005 to 31/10/2008

Teaching Assistant (50% teaching + 50% research) Agronomy Department, Faculty of Agriculture, Zagazig University, **Egypt**

Permanent job description

50% teaching lectures and practical sections of classic and modern plant breeding for undergraduate and postgraduate students, round table discussions, practical visits and Supervision four master and two PhD students.

50% conducting experimental trails, statistical analysis and writing manuscripts.

Undergraduate courses

Principles of plant breeding, Improvement of self and cross pollinated crops, Specialized computer, and Statistics and experimental design

Postgraduate courses

Evaluation and testing in breeding programs, Selection and improving the populations, Modern plant breeding and Breeding for specific purposes.

Technical skills:

- ✓ Sowing trials in field and nurseries for screening and evaluating new genotypes under stress conditions
- ✓ Crossing excellent materials to create promising combinations in field crops as barley, wheat and maize
- ✓ Using phenotypic and MAS for selecting new excellent adapted and high-yielding combinations through breeding programs
- ✓ Field data scoring
- ✓ DNA extraction
- ✓ Polymerase Chain Reaction (PCR)
- ✓ Contributing to other tasks activities and projects research works when required

Computer skills:

- ✓ Using Genome studio and FlapJak to assess the quality of SNPs calls
- ✓ Constructing linkage map using Joinmap
- ✓ QTL analysis for multi-environment phenotypic data using Genstat
- ✓ Present the QTLs in Mapchart
- ✓ Analyzing experiments with different designs using Genstat and Statistix
- ✓ Performing response equation and cluster analysis using SPSS
- ✓ Constructing figures using GraphPad Prism
- ✓ Using EndNote to manage references
- ✓ Using Microsoft Office tools (Word, Excel and PowerPoint)

Fields of interest in research:

Improving field crops using classical and modern plant breeding methods to obtain new genotypes perform better under normal and stress (biotic and abiotic) conditions.

Languages:

Arabic (native), fluent in English and Spanish

Articles:

1. Gracia, M.P., **E. Mansour***, A.M. Casas, J.M. Lllasa, B. Medina, J.L. Molina-Cano, M. Moralejo, A. López, P. López-Fuster, J. Escribano, F.J. Ciudad, P. Codesal, J.L. Montoya, and E. Igartua. **2012**. Progress in the Spanish National Barley Breeding Program. **Spanish Journal of Agricultural Research (IF=1.04, Q2)** 10:741-751.
2. Ponce-Molina, L., A.M. Casas, M.P. Gracia, C. Silvar, **E. Mansour**, W.B.T. Thomas, G. Schweizer, M. Herz, and E. Igartua. **2012**. Quantitative trait loci and candidate loci for heading date in a large population of a wide barley cross. **Crop Science (IF=1.64, Q1)** 52:2469-2480.
3. **Mansour***, E., A.M. Casas, M.P. Gracia, J.L. Molina-Cano, M. Moralejo, L. Cattivelli, W.T.B. Thomas, and E. Igartua. **2013**. QTL for agronomic traits in an elite barley population for Mediterranean conditions. **Molecular Breeding (IF= 1.86, Q1)** 33: 249-265.
4. Igartua, E., **E. Mansour**, C.P. Cantalapiedra, B. Contreras-Moreira, M.P., Gracia, P. Fuster, J. Escribano, J.L. Molina-Cano, M. Moralejo, F.J. Ciudad, W.T.B. Thomas, I. Karsai, and A.M. Casas. **2015**. Selection footprints in barley breeding lines detected by combining genotyping-by-sequencing with reference genome information. **Molecular Breeding (IF=1.86, Q1)** 35:1-14.
5. **Mansour, E.**, and R.M.Y. Heakel. **2015**. Evaluation of barley genotypes under terminal heat stress at grain filling period using polyethylene tunnels. **Middle East Journal of Agriculture Research**. 4(4): 1101-1112.
6. **Mansour, E.**, and E., Moustafa. **2016**. Estimation of combining ability and genetic components for yield contributing traits in spring barley under normal and salinity conditions. **Egyptian Journal of Agronomy**. 38:431-453.
7. **Mansour, E.**, M.I. Abdul-Hamid M.T. Yasin, N. Qabil, and A. Attia. **2017**. Identifying drought-tolerant genotypes of barley and their responses to various irrigation levels in a Mediterranean environment. **Agricultural Water Management (IF= 3.54, Q1)** 194:58-67.
8. **Mansour***, E., A.M.A. Merwad, M.A.T. Yasin, M.I.E. Abdul-Hamid, E.E.A. Elsobky, and H. Oraby. **2017**. Nitrogen use efficiency in spring wheat: genotypic variation and grain yield response under sandy soil conditions. **The Journal of Agricultural Science, Cambridge Core (IF= 1.33, Q2)** 155:1407-1423.
9. Oraby, M.A., A.A. El-Khawaga, **E. Mansour**, and M.A. Megahed. **2018**. Assessing drought tolerance of sixteen barley genotypes under different irrigation treatments. **Zagazig Journal of Agricultural Research**. 45(4): 1193-1208.
10. Abd-Allah, H.T., H.A. Rabie, **E. Mansour**, and A.A. Swelam. **2018**. Genetic variation and interrelationships among agronomic traits in thirty bread wheat genotypes under water deficit and normal irrigation conditions. **Zagazig Journal of Agricultural Research**. 45(4): 1209-1229.

Articles:

11. **Mansour***, E., E.A. Moustafa, N. Qabil, A. Abdelsalam, H.A. Wafa, A. El Kenawy, A.M. Casas, and E. Igartua. **2018**. Assessing different barley growth habits under Egyptian conditions for enhancing climate change resilience. **Field Crops Research (IF= 3.87, Q1)** 224: 67-75.
12. **Mansour***, E., E.A. Moustafa, N.Z.A. El-Naggar, A. Abdelsalam, and E. Igartua. **2018**. Grain yield stability of high-yielding barley genotypes under Egyptian conditions for enhancing resilience to climate change. **Crop and Pasture Science (IF= 1.33, Q2)** 69:681-690.
13. **E. Mansour**, E. Desoky, M.M.A. Ali, M.A.T. Yasin, M.I.E. Abdul-Hamid and E.E.A. Elsobky. Response of some faba bean genotypes to foliar application of some antioxidants under drought stress (in written stage)
14. **E. Mansour**, E., Moustafa and S. Elyamany. Assessing salinity tolerance of twenty-one barley genotypes using multiple parameters and stress tolerance indices (in written stage)

Conferences:

Contributions:

- **E. Mansour**, J. L. Molina-cano, W. T. B. Thomas, M. P. Gracia, M. Moralejo, L. Cattivelli, A. M. Casas, and E. Igartua. QTL for agronomic traits at an elite barley population. **Poster. 19th EUCARPIA GENERAL CONGRESS, 21st -24th May 2012, Budapest, Hungary.**
- **E. Mansour**, M. P. Gracia, A. M. Casas, J. M. Lasa, V. Martínez, B. Medina, J. L. Molina-Cano, M. Moralejo, A. López, P. López-Fuster, J. Escribano, F. J. Ciudad, P. Codesal, J. L. Montoya, P. M. Hayes, A. Cuesta-Marcos, and E. Igartua. Relationship between genotype-by-environment interaction and the vernalization requirements of barley in Spain. **Poster. VI Congreso de Mejora Genética de Plantas, Gijón, Spain, 11-13 septiembre 2012.**
- **E. Mansour**, C. P. Cantalapiedra, A. M. Casas, B. Contreras-Moreira, M. P. Gracia, and E. Igartua. Selection footprints revealed by GBS in a barley breeding program. **Poster. COST TD801 StatSeq, 5th Workshop, 24-26, April 2013, Helsinki, Finland.**
- E. Igartua., **E. Mansour**, C. P. Cantalapiedra, W. T. B. Thomas, B. Contreras-Moreira, M. P. Gracia, P. López-Fuster, J. Escribano, J. L. Molina-Cano, M. Moralejo, F. J. Ciudad, I. Karsai, and A. M. Casas. Selection QTL in barley breeding lines detected by combining genotyping-by-sequencing with reference genome information. **Poster. 20th EUCARPIA Conference Wernigerode, June 29 - July 4, 2014, Germany.**
- **Oral presentation** on Identification of drought tolerant genotypes under changing Mediterranean climate conditions. Workshop **7 March 2018, Zagazig University, Egypt.**

Conferences:

Attendance:

- V Congreso de Mejora Genética de Plantas, July 7th - 9th, 2010, **Madrid, Spain.**
- The Monogram Workshop 11th - 13th April 2011, University of Nottingham, **Nottingham, UK.**
- The Eighth International Conference for Plant Breeding, May 14th – 15th, 2013, Kafrelsheikh University, **Egypt.**
- The Fifth Field Crops Conference, November 18th – 20th, 2014, Agricultural Research Center, Giza, **Egypt.**
- Workshop on using new molecular markers techniques in breeding strategy 26th March 2015, Ismailia, **Egypt.**
- The Ninth International Conference for Plant Breeding, September 7th, 2015, Banha University, **Egypt.**
- Workshop on agricultural biotechnology applications. Agricultural Genetic Engineering Research Institute (AGERI), February 9th 2016, Agricultural Research Center (ARC), **Egypt.**
- International workshop on climate change and combat desertification for agricultural production in Egypt. April 27th 2016, National Research Centre, **Egypt.**
- 10th International Conference of Plant Breeding, 5-6th September 2016, Faculty of Agriculture, Menoufia University, **Egypt.**
- 11th International Conference of Plant Breeding, October 3-4th 2017, Faculty of Agriculture, Kafrelsheikh University, **Egypt.**

Participation in research projects:

- Genetics and development of plant materials in the Spanish National Barley Breeding Program (2008 – 2010) funded by the Spanish government.
- QTL detection for adaptation and disease resistance in barley (2010 - 2012) funded by the Spanish government.
- Improving yield potential and drought tolerance in wheat under Sinai conditions (2015-2018) funded by the Egyptian government

References:

Dr. Ernesto Igartua Arregui

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