



## OMAR MAGHAWRI IBRAHIM HASSAN

### Research Professor

<p><b>PERSONAL INFORMATION</b></p>	<p>Full Name: Affiliations: Address: Mobile No.: E-mail: Important links:</p>	<p>Omar Maghawri Ibrahim Hassan Arid Lands Cultivation Research Institute, SRTA-City Nehaila street, Almamoura, Alexandria, Egypt. 01005296594 <a href="mailto:dromarnrc@gmail.com">dromarnrc@gmail.com</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=rntX5_wAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=rntX5_wAAAAJ</a> <a href="https://www.scopus.com/authid/detail.uri?authorId=7005663080">https://www.scopus.com/authid/detail.uri?authorId=7005663080</a></p>
<p><b>EDUCATION</b></p>	<p><b>Ph.D. (Crops science), 2007</b> Faculty of Agriculture, Alexandria University, Egypt. <b>M.Sc. (Crop science), 1999</b> Faculty of Agriculture, Alexandria University, Egypt. <b>B.Sc. (Crops science), 1994</b> Faculty of Agriculture, Alexandria University, Egypt</p>	
<p><b>ACTIVITIES</b></p>	<p><b>Scientific Activities</b></p> <ul style="list-style-type: none"> <li>• Attending the workshop Climate change and agricultural sectors: impacts, vulnerability and adaptation 25 May 2016 at City of Scientific Research and Technological Applications.</li> <li>• Attending the workshop Nutritional and Therapeutic uses of Honey Bee Products ٢٤ May 2016 at City of Scientific Research and Technological Applications.</li> <li>• Attending the workshop Climate change and combat desertification for agriculture production in Egypt and China 27 April 2016 at National Research Centre.</li> </ul>	

- Attending the workshop Research ethics: basics and principles 29 March 2016 at City of Scientific Research and Technological Applications.
- Attending and organizing the workshop Hydroponics, introduction and applications by using different types of water 22 December 2015 at City of Scientific Research and Technological Applications.
- Attending the international workshop Assessing crop production. Nutrient management. Climate risk and environmental sustainability with simulation models 18-23 May 2015 at Georgia University, USA.
- Attending and organizing the workshop Moringa, its food and medical importance 11 May 2015 at City of Scientific Research and Technological Applications.
- Attending the workshop Chromatography and new techniques in food sciences 30 March 2015 at Faculty of Agriculture, Saba Basha, Alexandria.
- Attending the workshop Modern detection of mycotoxins in food and feed 10 February 2015 at City of Scientific Research and Technological Applications.
- Attending and organizing the workshop Data analysis and modeling using CoStat statistical software 1 December 2014 at City of Scientific Research and Technological Applications.
- Attending the workshop Future of magnetic agriculture in Egypt 30 April 2014 at National Research Centre.
- Attending the workshop Applications of biotechnology in agriculture ٢٢ February 2014 at National Research Centre.
- Attending the symposium, sustainable development and food security, January 21, 2014, National Research Centre, Egypt.
- Attending the International training workshop of soil and water conservation and dry land farming for developing countries in Shaanxi, China from 28 August to 16 September 2013.

- Attending the workshop, Data statistical analysis using SPSS program “statistical Basic and Practical application”, March 31, 2013 organized by National Research Centre, Egypt.
- Attending the third scientific forum, Production of cereals actual and hopes, January 30, 2013 organized by Agriculture and Biology Research Division, National Research Centre, Egypt.
- Attending the second scientific forum, Water affairs in Egypt and the role of scientific research, November 11, 2012 organized by Agriculture and Biology Research Division, National Research Centre, Egypt.
- Attending the first scientific forum, Affairs of modern Egyptian agriculture, October 14, 2012 organized by Agriculture and Biology Research Division, National Research Centre, Egypt.
- Attending the workshop, water crisis over River Nile, the solutions and alternatives which held in Alexandria, Egypt, October 14, 2010 organized by Agricultural Syndicate.
- Attending the training course of integrated management of Land & Water by using modern Technology for Sustainable Agricultural development which held from 21/2/2010 to 25/2/2010 and organized by Soil Salinity and Alkalinity Research Laboratory in Alexandria-Egypt.
- Attending the international training workshop of controlling desertification for Arabian countries in Ningxia, China from 26 July to 6 August 2006.
- Attending The first international conference “ Food and Agriculture: New Approaches” December 2-4, 2013, National Research Centre, Egypt.
- Attending the conference of Wheat and Bread problem in Alexandria, 25 May 2008.
- Attending the 4<sup>th</sup> scientific conference of the agricultural and biological research division under the theme “Safe Agriculture Products for Health &

	<p>Environment by using Recent Technologies” May 5 - 6, 2008, National Research Center.</p> <ul style="list-style-type: none"> <li>• Attending the conference of Desert Agriculture in Faculty of Agriculture, Alexandria University, Egypt, July 16-17 2006.</li> </ul>
	<p><b>Administrative Activities</b></p> <ul style="list-style-type: none"> <li>• Head of the Department of Plant Production (October 2017- October 2020)</li> <li>• Acting Head of the Department of Plant Production (September 2015- October 2017)</li> </ul>
	<p><b>Extra-curriculum Activities</b></p> <ul style="list-style-type: none"> <li>• Member of the project of "cultivation of Qattara depression with some promising halophytes" from December 2014 to December 2015 funded by Academy of Scientific Research and Technology.</li> <li>• Member of the project “Solar greenhouse desalination system self-productive energy and irrigated water demand” from July 2015 to July 2016 funded by STDF.</li> <li>• Member of the project, introducing new crops (quinoa) in Egypt, project no. 9050307 at National Research Centre from 2013 to 2016.</li> <li>• Member of the project, improving the productivity of flax and soy bean in new reclaimed soil, project no. 10120201 at National Research Centre from 2013 to 2016.</li> <li>• Member of the project, production management of green and dry forage crops for balanced animal production, project no. 10120202 at National Research Centre from 2013 to 2016.</li> <li>• Member of the project, manufacturing a machine for harvesting of Jatropha and Jojoba, project no. 10121001 at National Research Centre from 2013 to 2016.</li> </ul>

	<ul style="list-style-type: none"> <li>• Member of the project, maximizing the productivity of the main cereal crops in Egypt, project no. 9050307 at National Research Centre from 2010 to 2013.</li> <li>• Member of the project, increasing the profit from soil by cultivating nontraditional forage crops, project no. 9050501 at National Research Centre from 2010 to 2013.</li> <li>• Member of the project of Advanced Technology Utilization and Transfer (ATUT) from July 1997 to Mars 1998 concerning the use of sulfur to improve Wheat yield and quality in new reclaimed soils in Egypt.</li> <li>• Member of the project of National Agricultural Research Project (NARP) from January 1995 to June 1995 concerning the production of <i>Kochia</i> and <i>Salicornia</i> plants under irrigation with diluted sea water.</li> <li>• Publishing a book in arabic language, statistical analysis using CoStat, (No. 15845/2010).</li> <li>• Publishing a book in arabic language, Crop modeling, (No. 13444/2018)</li> </ul>
<p style="text-align: center;"><b>LIST OF PUBLICATIONS</b></p>	<ol style="list-style-type: none"> <li>1. <b>O. M. Ibrahim</b>, Shalaby, E. E., Kabish, M. O., Thalooh, A. T., Ahmad, M. A., Al Kramany, M.F., and Tawfik, M. T. <b>(2018)</b>. Simulating wheat response to different climate change scenarios under different nitrogen fertilizer supply in Northern Egypt. <i>Asian J. Crop Sci.</i>, 10: 66-72.</li> <li>2. El-Nasharty, A. B.; S.S. El-Nwehy, A.I. Rezk and <b>O.M. Ibrahim. (2017)</b>. Improving Seed and Oil yield of Sunflower Grown in Calcareous Soil under Saline Stress Conditions. <i>Asian Journal of Crop Science</i>, 9: 35-39.</li> <li>3. Bakry A. B., Maha Mohamed-Shater Abdallah, <b>Ibrahim, O.M.</b>, Hala Mohamed Safwat El-Bassiouny. <b>(2017)</b>. Effect of hemin, Fe-EDTA and arginine on growth, yield and chemical constituents of two sesame cultivars grown under sandy soil conditions. <i>BIOSCIENCE RESEARCH</i>, 14(1): 56-66.</li> </ol>

4. M.M. Tawfik, Elham A. Badr, **O.M. Ibrahim**, Ebtihal M. Abd Elhamid and Mervat Sh. Sadak. (2017). Biomass and some physiological aspects of *Spartina patens* grown under salt affected environment in South Sinai. Int. J. Agric. Res., 12: 19-27.
5. **O.M. Ibrahim**, A.A. Gaafar, B. A. Bakry, M.F. El Kramany. (2016). Alleviating the Adverse Effect of Salinity on Maize by the Ameliorative Effect of Salicylic Acid. Egypt. J. Agron. 38(3), 569-577.
6. EL-Tahan A.M., Wali, A.M., Badwi, Sh. A.T., Sorour, S. Gh. R., and **O.M. Ibrahim**. (2016). The Combined Effect of Different Types of Fertilizers and Antioxidants as a Strategy to Improve Wheat Yield. Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(4): 2003-2007.
7. **Ibrahim, O.M.**, Asal M. Wali, Elham A. Badr, and Ghalab, E.G. (2016). Response of wheat yield to soil application of humic acid and foliar application of sodium silicate. Research Journal of Pharmaceutical, Biological and Chemical Sciences 7(4): 1741-1749.
8. **O.M. Ibrahim**, M.M. Tawfik Elham, A. Badr and Asal M. Wali (2016). Evaluating the Performance of 16 Egyptian Wheat Varieties Using Self-Organizing Map (SOM) and Cluster Analysis. Journal of Applied Sciences. 16: 47-53.
9. **Ibrahim, O.M.**, Gaafar, A.A., Asal M. Wali, Tawfik, M.M., Marwa M. El-Nahas. (2016). Estimating cultivar coefficients of a spring wheat using *GenCalc* and *GLUE* in *DSSAT*. J. Agron., 15:130-135.
10. Elham A. Badr, **O.M. Ibrahim**, M.M. Tawfik and Amany. A. Bahr. (2015). Management strategy for improving the productivity of wheat in newly reclaimed sandy soil. International Journal of ChemTech Research. 8(4):1438-1445.
11. Asal M. Wali, Elham, A. Badr, **Ibrahim, O.M.** and Ghalab E.G. (2015). Can humic acid replace part of the applied mineral fertilizers? A study on

two wheat cultivars grown under calcareous soil conditions. *International Journal of ChemTech Research*. 8(9):20-26.

12. **O. M. Ibrahim**, A.A. Gaafar, Asal M. Wali and M.M. Tawfik (2015). Assessing the performance and variability of some Sugar beet varieties using Self-organizing map artificial neural network and Cluster analysis. *International Journal of ChemTech Research*. 8(9):12-19.
13. **Ibrahim O. M.**, Bakry A. B., El kramany M.F and Elewa T. A. (2015). Evaluating the role of Bio-char application under two levels of water requirements on wheat production under sandy soil conditions. *Global journal of advanced research*. 2(2):411-418.
14. **Ibrahim, O.M.** (2015). Evaluating the effect of salinity on corn grain yield using multilayer perceptron neural network. *Global journal of advanced research*. 2(2):400-411.
15. **Ibrahim, O.M.**, Bakry, A. B., Asal, M. Waly and Elham, A. Badr (2014). Modeling grain and straw yields of wheat using back propagation and genetic algorithm. *Asian Academic research Journal of Multidisciplinary*. 1(28):153-162.
16. El Habbasha, S. F., Elham A. Badr, El kramany, M.F., and **O.M. Ibrahim** (2014). Grouping of some Egyptian Wheat genotypes with cluster analysis. *Global journal of advanced research*. 1(2):93-100.
17. Alice T. Thalooth, Tawfik M. M., and **Ibrahim O.M.** (2014). Effect of Partial substitution of  $K^+$  by  $Na^+$  on yield, yield components, and quality characters of sugar beet. *Global journal of advanced research*. 1(1):1-7.
18. Bakry, B.A., **Ibrahim, O.M.**, Eid A. R., and Elham A. Badr. (2014). Effect of Humic Acid, Mycorrhiza Inoculation, and Biochar on Yield and Water Use Efficiency of Flax under Newly Reclaimed Sandy Soil. *Agricultural Sciences*, 5, 1427-1432.

19. **Ibrahim, O.M.**, Bakry, B.A., Thalooh, A.T. and El-Karamany, M.F. (2014). Influence of Nitrogen Fertilizer and Foliar Application of Salicylic Acid on Wheat. *Agricultural Sciences*, 5, 1316-1321.
20. Bakry, A.B., **Ibrahim, O.M.**, Abd El-Fattah Elewa, T. and El-Karamany, M.F. (2014). Performance Assessment of Some Flax (*Linum usitatissimum* L.) Varieties Using Cluster Analysis under Sandy Soil Conditions. *Agricultural Sciences*, 5, 677-686.
21. **O.M. Ibrahim** (2013). A comparison of methods for assessing the relative importance of input variables in artificial neural networks. *Journal of Applied Sciences Research*, 9(11): 5692-5700.
22. **O.M. Ibrahim**, A.T. Thalooh and Elham A. Badr (2013). Application of Self Organizing Map (SOM) to Classify Treatments of the First Order Interaction: A comparison to Analysis of Variance. *World Applied Sciences Journal*. 25 (10): 1464-1468.
23. **Ibrahim, O.M.** (2012). Simulation of Barley grain yield using artificial neural networks and multiple linear regression models. *Egypt. J. Appl. Sci.*, vol. 27, No.1, p. 1-11.
24. El-Hariri, D. M, Bakry, B. A, Elewa, T. A. and **O. M. Ibrahim** (2012). Evaluation of some flax (*Linum usitatissimum* L.) varieties under the conditions of newly reclaimed sandy soils. *International Journal of Academic Research* Vol. 4. No.1. January.
25. **O.M. Ibrahim**, M.M. Tawfik, Elham, A. Badr, and Magda H. Mohamed (2011). Biological reclamation of salt affected soil through revegetation of *Kochia indica*. *Bulletin of the National Research Centre, Cairo*, Vol. 36, No.2 p.131-144.
26. **O.M. Ibrahim**, Magda H. Mohamed, M.M. Tawfik, Elham A. Badr (2011). Genetic diversity assessment of Barley (*Hordeum vulgare* L.) genotypes

using cluster analysis. International Journal of Academic Research Vol. 3. No. 2. March.

27. Magda, H. Mohamed, M. M. Tawfik, **O.M. Ibrahim** and Maha, M. Tawfeek (2011). Improvement of growth, productivity and nutritional value of *sorghum bicolor* in newly reclaimed sandy soil. Bulletin of the National Research Centre, Cairo, Vol. 36, No.3 p.209-221.
28. Ahmed, M.A., **O.M. Ibrahim**, and Elham A. Badr (2010). Effect of Bio- and mineral phosphorus fertilizer on the growth, productivity and nutritional value of fenugreek (*Trigonella foenum graecum, L*) In newly cultivated land. Research journal of Agriculture and Biological Sciences, 6(3):339-348.
29. M.F. EL kramany, **O.M. Ibrahim**, Elham, A. Badr and M.A. Ahmed (2009). The Dual effect of bio and organic fertilization on yield, its components and chemical composition of two chickpea varieties. Egypt. J. Appl. Agric Res. (NRC) vol.2, No.1, pp. 41-48.
30. El kramany, M.F; **Ibrahim, O.M**; El Habbasha, S.F. and Ashour, N.I. (2009). Screening of 40 Triticale (*X Triticosecale wittmack*) Genotypes under Sandy Soil Conditions. Journal of applied Sciences Research, 5(1): 33-39.
31. Elham A. Badr, **O.M. Ibrahim** and M.F. ELkramany (2009). Interaction effect of biological and organic fertilizer on yield and yield components of two Wheat cultivars. Egypt. J. Agron. Vol.31.No.1, pp.17-27.
32. Elham A. Badr and **O.M. Ibrahim** (2009). Effect of irrigation intervals, biological, organic and mineral fertilization on the yield and yield components of Sunflower plants. Egypt. J. Agron. vol. 31, No.1, pp. 29-37.