






PERSONAL INFORMATION

Mohamed ElHagarey



-  Replace with house number, street name, city, postcode, country
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-  https://www.researchgate.net/profile/Mohamed_Elhagarey

Sex Male | Date of birth 14/03/1978 | Nationality Egyptian

Dr. M. El-Hagarey has a PhD at irrigation and drainage, 2010, He works as a researcher (PhD) at the Desert Research Center, Soil Conservation and Water Resources department, Irrigation and Drainage unit, He is the winner of **“ICID WatSave Awards 2016” under ‘WatSave Young Professional Award’** besides his work as vice president of Halayb and the Shalateen research station and the president of Al-Kantra Shark research station.

RESUME

He records some patents in hydraulics devices, especially in fluid mechanics and irrigation sciences. Dr. El-Hagarey contributed in many international and national scientific projects, having many of international publications (Article researches, Books, Bulletins, Reports, posters, and journals), and works in Africa, Asia and Europe in the scientific research fields. He contributed in scientific activity by American scientists, he is a member of international and national Societies. Dr. El-Hagarey is a consultant in many companies and committees. Postdoctoral/Dr(PhD)/Researcher/PhD of Agricultural sciences/ A working with strong scientific experiences and organizational skills gained in Associate prof., now seeking to move into Research and development project or postdoctoral position as a researcher or lecture.

JOB APPLIED FOR POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

WORK EXPERIENCE

- January 2015 -present **The president of Al-Kantra Shark research station**
Al-Kantra Shark, Al-Ismailia governorate
Management of the research station and the representative of Desert Research Center President in the governorate.
- February 2011-present **Researcher (PhD)**
Desert Research Center (1 Mathaf El-Mataria St., El-Mataria, Cairo, Egypt. Postal code -11753-
<http://drc.gov.eg>)
 - Scientific investigation and sustainable development projects
 - Soil and water resources conservation department , irrigation and drainage unit.
- May 2011-Feb. 2014 **Researcher (PhD) & vice president of Halayb and Shalateen Research Station**

Deseart Research Center (1 Mathaf El-Mataria St., El-Mataria, Cairo, Egypt. Postal code -11753-
http://drc.gov.eg)

- Scientific investigation and sustainable development projects
- Soil and water resources conservation department & Halayb and Shalateen Research Station

2003-2011 **Agriculture engineer**

Deseart Research Center (1 Mathaf El-Mataria St., El-Mataria, Cairo, Egypt. Postal code -11753-
http://drc.gov.eg)

- Scientific investigation and sustainable development projects
- Halayb and Shalateen Research Station

2001-2003 **Agriculture engineer**

Deseart Research Center (1 Mathaf El-Mataria St., El-Mataria, Cairo, Egypt. Postal code -11753-
http://drc.gov.eg)

- Scientific investigation and sustainable development projects
- Soil and water resources conservation department

EDUCATION AND TRAINING

2005-2010 **PhD of Agricultural engineering**

Faculty of Agriculture- Ain-Shams Univeristy, Cairo, Egypt.

- Machine design, irrigation and Drainage, soil and water relationship, biosystem , machine economics and farm machine.

2000-2005 **MSc of Agricultural engineering**

Faculty of Agriculture- Ain-Shams Univeristy, Cairo, Egypt.

- Machine design, irrigation and Drainage, soil and water relationship, biosystem , machine economics and farm machine.

2000-2005 **BSc of Agricultural engineering**

Faculty of Agriculture- Ain-Shams Univeristy, Cairo, Egypt.

- Machine design, irrigation and Drainage, soil and water relationship, biosystem , machine economics and farm machine.

PERSONAL SKILLS

Irrigation and drainage design, management, scheduling, innovation, statistical analysis, feasibility, ICDL, Microsoft Office, Surfer program, SPSS program and Auto Cad.

Mother tongue(s) Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	B1	B1	B2
TOEFL (501)					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience as a researcher in the scientific research and development.

Organisational / managerial skills

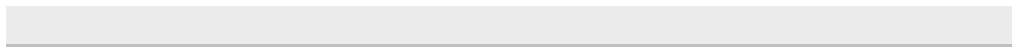
Working as a vice president of Halayb and Shalteen research station and responsible for a team of 25 people

- Job-related skills**
- Innovator of many patents related to the water irrigation devices.
 - Good Committee member of Desert Research center. (Currently responsible for irrigation development)
 - Good Consultant of implementation, renovation and maintenance of the irrigation systems interests of many projects.
 - Design and supervision of implementation, renovation and maintenance of the irrigation systems

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
INDEPENDENT USER	PROFICIENT USER	PROFICIENT USER	INDEPENDENT USER	INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)



Replace with your other computer skills. Specify in what context they were acquired. Example:

- Good command of office suite (word processor, spreadsheet, presentation software)
- Good command of photo editing software gained as an amateur photographer
- Good command of the surfer program for drawing the layout of multiple patterns.
- Good command of SPSS program for statistical analysis.

- Other skills**
- Handmade of prototype of the innovative devices.
 - Drawing.
 - Sculpture.

Driving license 4

ADDITIONAL INFORMATION

Publications

- Elnesr, M. N, Alazba, A. A., El-Hagary, M. E.(2016). EFFECTS OF WATER DEFICIT AND APPLICATION METHOD, ON DRIP IRRIGATED PEACH. Agriculture & Forestry, Vol. 62 Issue 2: 119-136, 2016, Podgorica
- Mahmoud . A.k., M. .E..El-Hagarey. (2016). Wheat Production under Western North Coast Conditions Using A Simulation Model. Journal of Natural Sciences Research Vol..6 No.4, PP. 82-90.
- El-Hagarey, M. E., El-Sabbagh, B. A. , F. Safranyik. Mathematical Model of Engineering and Hydraulic Design Factors of Innovative Pressure Compensating Pottery Dripper. European Journal of Academic Essays 3 (1): 7-20, 2016.
- Mahmoud . A.k., M. .E..El-Hagarey. (2015). Mathematical Model for Maximizing Irrigation Water Benefits. Journal of Natural Sciences Research Vol.5, No.16, PP. 95-104. Mansour, H. A., El-Hagarey, M. E., Saad A., Ibrahim, E. A. And Bralts, V. F. (2015). Management of Sprinkler Irrigation System and Different Egyptian Wheat Varieties for I- Uniformity, Yield and Water Productivity. European Journal of Academic Essays 2(6): 7-13, 2015.
- Mansour, H. A., Saad A., Ibrahim, E. A. And El-Hagarey, M. E., Management of Sprinkler Irrigation System and Different Egyptian Wheat Varieties II-Technological Quality Properties. European Journal of Academic Essays 2(6): 1-6, 2015.
- El-Hagarey, M. E. , Mansour H. A. and Gyuricza, Cs. (2015).Economic Feasibility Analysis of Pressurized Irrigation Systems for Wheat under Desert Environmental Conditions. International Journal of Advanced Research, Volume 3, Issue 5, 903-917
- El-Hagarey, M. E., Mansour, H. A., Gaballah, M. S. (2015). A Net-back, Revenues and Applied Energy Analysis of Irrigated Wheat Using Pressurized Irrigation Systems under Environmental Desert Multi-Criteria. European Journal of Academic Essays 2(1): 10-19.
- El-Hagarey M. E.,. A.M.El-Kot; and A.M.El-Gindy.Movable Surface Irrigation System (MSIS) Design. (IOSR-JAVS). Volume 7, Issue 8 Ver. II (Aug. 2014), PP 01-10
- El-Hagarey M. E. M.N. ELNESR,, H. M. Mehanna and H. A. Mansour (2014). Energy, economic analysis and efficiencies of micro drip irrigation,II- Economic Analysis and efficiencies. (IOSR-JAVS). Volume 7, Issue 8 Ver. II (Aug. 2014), PP 19-26.
- El-Hagarey M. E. M.N. ELNESR,, H. M. Mehanna and H. A. Mansour (2014). Energy, economic analysis and efficiencies of micro drip irrigation, I-Energy Analysis. (IOSR-JAVS). Volume 7, Issue 8 Ver. II (Aug. 2014), PP 11-18.
- Meselhy, A. A. and M. E. El-Hagarey, Study the relationship between using of the modified ridger and efficiency of surface irrigation system in Ras-Sudr area , International Journal of Advanced Research (2014), Volume 2, Issue 7, 1121-1136.
- El-Hagarey M. E., H. M. Mehanna and H. A. Mansour (2014). Movable Surface Irrigation System (MSIS) Impact on Spatial and Temporal Distribution of Soil Moisture and salinity. (IOSR-JAVS). Volume 7, Issue 6 Ver. III (Jun. 2014), PP 49-57.
- Omima M. E. and M. E. El-Hagarey. (2014), Evaluation of Ultra-low Drip Irrigation and Relationship between Moisture and Salts in Soil and Peach(prunperssica) Yield. Journal of American Science 2014;10(8). PP 13-28
- El-Hagarey M. E. (2014). Design and Manufacture of Pottery Dripper for the Use of Saline Water in Irrigation Systems. (IOSR-JAVS). Volume 7, Issue 5 Ver. IV (May. 2014), PP 70-80.
- El-Hagarey. M. E., A.M. Al-Kot; and A.M. El-Gindy. (2013).Design of Auto-compensating nozzle for gated irrigation pipes. Egypt. J. Agric. Res., 91(2A),2013.pp, 113-132. 3rd International Conference of Agricultural & Bio-Engineering, Engineering application for sustainable agriculture development.
- Mansour H. A., Hany M. Mehanna, M. E. El-Hagarey,Ahmed S. Hassan, Using Automation Controller System and Simulation Program for Testing Closed Circuits of Mini-Sprinkler Irrigation System,Open Journal of Modelling and Simulation, 2013, 1, 14-23.
- Mehanna. H.M.; Kh. P. Sabren and M. S. Abdel-Rahman. Validation of SALTMED Model under Different Conditions of Drought And N Fertilizer for Snap Bean In Delta, Egypt. Minia International Conference for Agriculture and irrigation in the Nile basin Countries.2011.
- M. E. El-HagareyA.M.El-Kot; and A.M.El-Gindy: Design of self-compensating nozzle for gated irrigation pipes. Published Agricultural and Biological Sciences (miscellaneous), Department of Agricultural Engineering, Faculty of Agriculture, Ain Shams University, 2010.http://srv5.eulc.edu.eg/eulc_v5/Libraries/start.aspx?fn=ApplySearch&ScopeID=1.&criteria1=2.&SearchText1=ABDEL-RAHMAN+%2CMOHAMED+EL-SAYED
- M. E. El-Hagarey: Design of self-compensating nozzle for gated irrigation pipes. published Ph. D. Thesis, Department of Agricultural Engineering, Faculty of Agriculture, Ain Shams University, 2009
- M. E. El-Hagarey: Design And Management of Low-Head Irrigation Systems, Unpublished M.Sc. Thesis, Department of Agricultural Engineering, Faculty of Agriculture, Ain Shams University, 2005. http://srv5.eulc.edu.eg/eulc_v5/Libraries/start.aspx?fn=ApplySearch&ScopeID=1.&criteria1=9.&SearchText1=Ain+Shams+.Agric.Agric.+Eng.
- M. E. El-Hagarey., A.M.El-Kot; A.A.Abdel-Aziz; and A.M.El-Gindy Design And Management of Modified Pivot Irrigation Systems, Annals of Agricultural Science (Cairo) 2005 Vol. 50 No. 2 pp. 415-432. <http://www.cabdirect.org/abstracts/20063038946.html;jsessionid=3624064368A2375A929292450719D02E>

- Potential Use of Solar Energy and Emerging Technologies in Micro Irrigation, volum (4), by Apple Academic Press Inc. DECEMBER 2016.
- M. E. El-Hagarey , Innovative Movable Surface Irrigation Systems (Modified Pivot). Mohamed El-Hagarey, LAP LAMBERT Academic Publishing
- M. E. El-Hagarey , Innovative Automatic Self-Compensating Gated Irrigation Pipes, Mohamed El-Hagarey, LAP LAMBERT Academic.
- [Water and Fertigation Management in Micro Irrigation], Volume 9 as part of book series on Research Advances in Sustainable Micro Irrigation by Apple Academic Press Inc. <http://appleacademicpress.com/title.php?id=9781771881067>.
- Management of Clogging in Micro Irrigation: Theory and Practices, as part of book series on Research Advances in Sustainable Micro Irrigation by Apple Academic Press Inc.
- Innovations and challenges in Micro Irrigation, volum5, by Megh R. Goyal, Senior Editor – in – Chief to be published by Apple Academic Press, Inc.
- [Micro Irrigation Management, Technological Advances and Their Applications], Volume 5 as part of book series on Innovations and Challenges in Micro Irrigation Book Series by Apple Academic Press Inc.

Projects

- The sustainable development of Sinai peninsula lands.
- The development of cultivation and production job to combat desertification in Sinai land
- Analysis of Globally Important Agricultural Heritage Systems (GIAHS)" in Siwa Oasis, Egypt.
- Balanced Fertilization of Major crops in Egypt
- Precision Estimation of Water Requirements for Some Crops during Kc Determination under Egyptian Conditions New Lands
- Community Development Project Western Saharanomads Red Sea Governorate of the Ministry of Agriculture and the Food Aid (United Nations), WFP, (2003).
- Transfer Project field irrigation techniques of the Faculty of Agriculture, Ain Shams University and the University of Arizona in America A. T. U. T (2000).
- Using Eviews Programs in Statistical Applications.
- The third international conference of Egyptian soil sciences
- Principal of Projects Preparation and Submitting for Grants.
- Integrated assessment of Irrigated farming systems.
- The first international conference 'Food and Agriculture: New Approaches'
- Engineering application for sustainable agriculture development.
- Agricultural development in Sinaa
- Spate irrigation and water management under drought conditions and water scarcity
- Lecture "rationalization of energy consumption for different irrigation systems" Training Course.
- Training Course Center under the title "Development of New Valley between the obstacles and challenges".
- Waterhackathone.
- Agricultural engineering conference.

Conferences and training courses

Seminars

- A seminar entitled "Managing resources of the Nile River," by Dr. Mahmoud AbuZeid.

Honours and awards

- ICID WatSave Awards 2016" under 'WatSave Young Professional Award

Memberships

- Egyptian Society of Agricultural Engineering (ESAE)
- Egyptian Association for Soil Sciences (EASS)
- African Crop Science Society (ACSS)
- Netherlands fellowship Program (NFP) Alumni
- Club Members of Research Corporation in Desert Research Center.

Patents

- Irrigation pottery drippers.
- Hydraulic and Automatic Flow Regulator and Valve.
- Self-cleaning Hydraulic Automatic Screen Filter.
- Moving surface irrigation nozzles.
- Soil and water management machine (SWMR) has a ICID watsave award for YP, 2016

ANNEXES