

Curriculum Vitae

Personal Data

Name Hassan Ragab Hassan El-Ramady
Date of birth 01.11.1969
Place of birth Damro El-Hadady, Sedi Salem, Kafr El-Sheikh, Egypt
Nationality Egyptian
Marital status Married, with 2 children
Languages Arabic, English and German



Contact Data

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Office Address Soil and Water Sciences Department, Faculty of Agriculture, Kafrelsheikh University, 33516 Kafr El-Sheikh, Egypt
Home Address 3 Shabab 2 City, El-Mashabek, Bolak El-Dakror, 12984 Giza, Egypt
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Website <http://www.kfs.edu.eg/ramady.html>
Researcher ID F-2587-2011

School education

1976-1985 Elementary School, Goul Gamal, Kafr El-Sheikh, Egypt
1986-1988 Secondary School, Borg El-Borullus, Kafr El-Sheikh, Egypt

University education

1989-1992 Under graduate study at Soil Sci. Dept., Faculty of Agriculture, Kafr El-Sheikh, Tanta University, Egypt (B. Sc. Degree)
1993-1997 Graduate study for Master degree, at Soil Sci. Dept., Faculty of Agriculture, Kafr El-Sheikh, Tanta University, Egypt. Title of thesis: "**Response of sugar beet to nitrogen and potassium dressing at different levels of soil salinity**" (M. Sc. degree)
2004-2008 Ph. D. degree at Technical University of Braunschweig, Faculty of Life Sciences (Biology) and Institute of Crop and Soil Science (Julius Kuehn-Institute, JKI), Federal Research Center (FAL), Braunschweig, Germany. Title of Ph. D. thesis: "**A contribution on the bio-actions of rare earth elements in the soil/plant environment**".

Academic data

Title Assistant Professor of Soil and Water Sciences
1993-1997 Demonstrator of Soil Sci. Dept., Fac. of Agric., Kafr El-Sheikh, Tanta Uni.,

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| | Egypt |
| 1997-2008 | Assistant lecturer of Soil Sci. Dept., Fac. of Agric., Tanta/Kafrelsheikh Uni., Egypt |
| 2008-2014 | Assistant Professor of Soil and Water Sci. Dept., Fac. of Agric., Kafrelsheikh Uni., Egypt |
| 2014- until now | Associate Professor of Soil and Water Sci. Dept., Fac. of Agric., Kafrelsheikh Uni., Egypt |

Professional Membership

(1) International professional membership

1. Member of the American Society of Agronomy (ASA)
2. Member of Crop Science Society of America (CSSA)
3. Member of Soil Science Society of America (SSSA)
4. Member of International Union of Soil Science (IUSS)
5. Member of Australian Soil Science Society Inc. (ASSSI)
6. Member of German Soil Science Society (*Deutsche Bodenkundliche Gesellschaft*, DBG)
7. Member of German Society for Plant Nutrition (*Deutsche Gesellschaft für Pflanzenernährung*, DGP)
8. Member of African Crop Science Society (ACSS)
9. Member of European Society for Soil Conservation (ESSC)
10. Member of Asia-Pacific Chemical, Biological and Environmental Engineering Society (APCBEEES)
11. Member of International Society for Horticultural Science (ISHS)
12. Member of World Overview of Conservation Approaches and Technologies (WOCAT): an established global network of Soil and Water Conservation (SWC) specialists, contributing to sustainable land management (SLM)

(2) National professional membership

1. Member of Egyptian Soil Science Society (ESSS), *communication coordinator* and member of directors board for **ESSS**
2. Member of Egyptian Society of Crop Science (ESCS)
3. Member of Environment Protection Scientific Society (EPSS) Kafrelsheikh Uni., Egypt (vice president of EPSS)
4. Member of Egyptian Geographic Society (*Société de géographie d'Egypte*)

Mission and Grants:

1. Mission to Germany **2004 – 2008** to get Ph. D. Degree (JKI, Institute for Crop and Soil Science, Braunschweig, Germany)
2. Partnership and Ownership Initiative (ParOwn) postdoctoral scholarship in **University of Debrecen Centre for Agricultural and Applied Economic Sciences, Faculty of Agricultural and Food Sciences and Environmental Management, Institute of Bio and Environmental Energetics, Hungary** for **3 months** (from December 2012 to February 2013) supported from the **Egyptian ministry of higher education and scientific research**.
3. Postdoctoral scholarship in **University of Debrecen Centre for Agricultural and Applied Economic Sciences, Faculty of Agricultural and Food Sciences and Environmental Management, Institute of Bio and Environmental Energetics, Hungary** for **5 months** (from March to July 2013) supported from **Hungarian Scholarship Board**, the Ministry of Education and Culture, **Hungary**.
4. Postdoctoral scholarship in **University of Debrecen, Agricultural Botantics, Plant Physiology and Biotechnology Dept.**, Faculty of Agricultural, Food Sciences and Environmental

Management, **Hungary** for **7 months** (from November 2013 to June 2014).

Visits and Invitations:

- Invitation to participate in the “**German Science Day**” in the frame of the official opening of the German Science Centre is coming up on **12 November 2012** in the DWZ, DAAD Cairo.
- Invitation to **The First Global Soil Week “Soils for Life”** organized by Institute for Advanced Sustainability Studies (IASS), **Germany** within the framework of the FAO’s Global Soil Partnership in conjunction with European Commission, Umwelt Bundes Amt and United Nations Convention to Combat Desertification (UNCCD) in Berlin, **November 18 – 22, 2012 Germany**.
- Invitation for **5 months (from January to May 2013)** to Laboratory (Orsós Ottó Lab), Plant Biotechnology Department, *Centre for Agricultural and Applied Economic Sciences, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Hungary*.
- Invitation to participate in the **London Symposium on Climate Change** at the Oxford and Cambridge Club, **London, 22, 23 and 24, June, 2013**.
- Invitation to **Summer of Soil** from **7 July to 9 August 2013, Järna, Sweden**. Summer of Soil is a 5-week, multi-disciplinary accelerator program designed to awaken and inspire a collaborative movement to rebuild and maintain living soils. The program includes a series of hands-on soil-related courses, an exhibition of regenerative growing practices and the 5-day Living Soil Forum for bringing conversation to action.
- Invitation for the **2nd Global Soil Week 2013 “Losing Ground?”** organized by Institute for Advanced Sustainability Studies (IASS), **Germany** within the framework of the FAO’s Global Soil Partnership in conjunction with European Commission, Umwelt Bundes Amt and United Nations Convention to Combat Desertification (UNCCD) in Berlin on **27-31 October 2013**.
- Invitation for **7 months (from November 2013 to June 2014)** to Nano Food Lab, DE AGTC Institute of Animal Science, Biotechnology and Nature Conservation, **University of Debrecen, Hungary**.

Research interests:

- Sustainable Water and Nutrient Management
- Biogeochemistry of Trace Elements (Cu, Se and REEs) in the Rhizosphere
- Phyto- and Bio-remediation of Trace Elements (Cu, Se and REEs)
- Biofortification and Production of Biofortified Crops
- Global Climate Changes and Agriculture

Professional activities:

- Teaching theoretical and practical courses for undergraduate and graduate students in Soil Sciences Department, Faculty of Agriculture, Kafrelsheikh University from March, 1993 – Present (*Soil Fertility and Plant Nutrition, Soil & Water Pollution and Remediation Techniques; Soil Management and Conservation; Soil Microbiology and Biogeochemistry of Trace Elements*).
- Supervising research for graduate students (M. Sc. & Ph. D.) in the field of **Sustainable water and nutrient management** and **the biogeochemistry of trace elements in the rhizosphere**, 2009 – Present.
- Member of Board of Directors Egyptian Soil Science Society (ESSS), 23.5.2013 – present and **communication coordinator** for ESSS from 2011
- Vice president of the Environment Protection Scientific Society (EPSS), Kafrelsheikh University, 2011 – present.
- Peer-Reviewer in some Journals such as:

Global Advanced Research Journal of Agricultural Science (GARJAS)

African Journal of Microbiology Research (AJMR)

Agricultural Science Research Journal (ARJ)

Journal of Soil Science and Environmental Management (JSSEM)

List of publications:

Books:

Percent contribution of *El-Ramady* indicated as (%) at the end of each publication

1. ***El-Ramady, H. (2009)***. A contribution on the bio-actions of rare earth elements in the soil/plant environment. Ph. D. Thesis. Julius Kühn-Institut, Bundesforschungsinstitut für Kulturpflanzen, Quedlinburg, Deutschland, ISBN 978-3-930037-51-3 (**100 %**).
2. ***El-Ramady, H. and Neama Abdalla (2010)***. Soil and Environmental Sciences Glossary: Illustrated soil and related environmental sciences glossary. VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-25160-9 (**90 %**).
3. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 1). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-25758-8 (**80 %**).
4. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 2). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-25880-6 (**80 %**).
5. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 3). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-25885-1 (**80 %**).
6. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 4). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-25912-4 (**80 %**).
7. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 5). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-26152-3 (**80 %**).
8. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 6). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-26157-8 (**80 %**).
9. ***El-Ramady, H., N. Abdalla and T. Shalaby (2010)***. Glossary of Agricultural and Environmental Sciences Terms: Illustrated glossary of agricultural and environmental sciences terms and related subjects (Vol. 7). VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-26332-9 (**80 %**).
10. ***El-Ramady, H., S. Youssef and S. E.-D. Faizy (2010)***. Glossary of Nutrients: Plant Essential Macro- and Micro-nutrients and Their Deficiency Symptoms. VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-17479-3 (**80 %**).
11. ***El-Ramady, H. (2011)***. Handbook of REEs – fundamentals and applications. LAP-Verlag LAMBERT Academic Publishing-, Germany, ISBN-No. 978-3-8465-1052-0 (**100 %**).
12. ***El-Ramady, H. (2010)***. Ecotoxicology of rare earth elements: Ecotoxicology of rare earth elements within soil and plant environments. VDM-Verlag Dr. Mueller, Germany, ISBN-

- No. 978-3-639-23680-4. (100 %)
13. **El-Ramady, H.** (2010). Ecotoxicology of REEs: Effects of rare earth elements (REEs) on soil and plant and Ecotoxicology of REE-fertilizers. VDM-Verlag Dr. Mueller, Germany, ISBN-No. 978-3-639-24913-2. (100 %)
 14. **Shehata, S. A. and H. El-Ramady** (2011). Micronutrients: uptake and its roles in plants. Print house Fares Abd El-Hameed for Printing and Publishing, ISBN-No. 978-977-403-505-0 (in Arabic) (90 %).
 15. **El-Ramady, H., A. Belal, S. El-Marsafawy, E. Belal, S. A. Shehata and S. Z. Yehia** (2012). Contemporary Environmental Readings (Vol. 1) – Climate Change: A Blessing or a Curse for Agriculture. 1st Edition. LAP-Verlag LAMBERT Academic Publishing-, Germany, ISBN-No. 978-3-8465-8220-6 (80 %).
 16. **Hafez, O., S. Mashali and H. R. El-Ramady** (2012). Access to Chemistry: fundamentals of general chemistry. LAP-Verlag LAMBERT Academic Publishing-, Germany, ISBN-No. 978-3-8465-8678-5 (20 %).
 17. **Faizy, S. E.-D., S. M. Youssef, A. M. Abou El-Kheer and H. El-Ramady** (2012). Principles of plant nutrition. Electronic Book, Ministry of High Education, Supreme Council of Universities, Egypt (in Arabic) (60 %).
 18. **El-Ramady, H.; N. A. Abdalla and S. A. Shehata** (2013). Contemporary Environmental Readings: Towards sustainability for agriculture (Vol. 2). LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN: 978-3-659-34290-5. (80 %)
 19. **Shehata, S. A., Z. Fawzy and H. El-Ramady** (2013). Contemporary environmental readings (Vol. 3) Egyptian agriculture: present and future. LAP-Verlag LAMBERT Academic Publishing-, Germany, ISBN-No. 978-3-659- 44498-2 (40 %).
 20. **El-Ramady, H., N. A. Abd Alla and E. B. Belal** (2013). Contemporary Environmental Readings: Biofortification and phytoremediation (Vol. 4). LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN: 978-3-659-45276-5. (80 %).

Book chapter:

Percent contribution of ***El-Ramady*** indicated as (%) at the end of each publication:

1. **El-Ramady, H. R.; Samia M. El-Marsafawy and Lowell N. Lewis** (2013). Sustainable Agriculture and Climate Changes in Egypt. *In: Sustainable Agriculture Reviews*. E. Lichtfouse (ed.), Sustainable Agriculture Reviews **Vol. 12**, DOI 10.1007/978-94-007-5961-9_2, Springer Science + Business Media B.V. pp: 41 – 95. (80 %)
2. **El-Ramady, H. R.** (2013). An atlas of African soils: Egypt. Joint Research Centre, European Commission and the African Union in collaboration with Africa Soil Science Society (ASSS) (100 %)
3. **El-Ramady, H. R.** (2014). Integrated Nutrient Management and Postharvest of Crops. *In: Sustainable Agriculture Reviews*, E. Lichtfouse (ed.), Sustainable Agriculture Reviews **Vol. 13**, DOI 10.1007/978-3-319-00915-5_8, Springer International Publishing Switzerland. Pp: 163 – 274. (100 %)
4. **Alshaal, T. A.; A. M. Abou El-Khir, N. Elhawat, T. M. El-Essawi and H. El-Ramady** (2013). Integrated nutrient management and soil quality. *In: El-Ramady, H. R.; N. A. Abdalla and S. A. Shehata* (Eds.), Contemporary Environmental Readings: Towards sustainability for agriculture (Vol. 2). LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN: 978-3-659-34290-5. (50 %)
5. **El-Shahway, A. S.; M. E. Abowaly, M. A. Koriem, A. R. Abd El-Maged and H. El-Ramady** (2013). Continuous rice cultivation and soil fertility. *In: El-Ramady, H. R.; N. A. Abdalla and S. A. Shehata* (Eds.), Contemporary Environmental Readings: Towards sustainability for agriculture (Vol. 2). LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN: 978-3-659-34290-5. (50 %)
6. **Shehata, S. A.; K. F. Abd El-Gawad, M. Y. Hashem, G. I. Mahmoud and H. El-Ramady**

- (2013). Foliar nutrition and post-harvest of vegetable crops. In: El-Ramady, H. R.; N. A. Abdalla and S. A. Shehata (Eds.), Contemporary Environmental Readings: Towards sustainability for agriculture (Vol. 2). LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN: 978-3-659-34290-5. (50 %)
7. **El-Ramady, H., É. Domokos-Szabolcsy, T. A. Shalaby, J. Prokisch and M. Fári (2014).** Selenium in agriculture. In: E. Lichtfouse (ed.), Environmental Chemistry for a Sustainable World Vol. 5, Springer Science + Business Media B.V. (in press) (80 %)
 8. **El-Ramady, H., T. Alshaal, É. Domokos-Szabolcsy, T. Shalaby, Y. Bayoumi, N. Elhawat, A. Sztrik, J. Prokisch and M. Fári (2014).** Selenium and its role in higher plants. In: E. Lichtfouse (ed.), Environmental Chemistry for a Sustainable World Vol. 6, Springer Science + Business Media B.V. (in press) (80 %)
 9. **El-Ramady, H., T. Alshaal, M. Amer, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch and M. Fári (2014).** Soil quality and plant nutrition. In: E. Lichtfouse (ed.), Sustainable Agriculture Reviews Vol. 14, Springer Science + Business Media B.V. ISBN 978-3-319-06015-6 (in press) (80 %)
 10. **El-Ramady, H., É. Domokos-Szabolcsy, N. A. Abdalla, H. S. Taha and M. Fári (2014).** Postharvest management of fruits and vegetables storage. In: E. Lichtfouse (ed.), Sustainable Agriculture Reviews Vol. 15, Springer Science + Business Media B.V. (in press) (80 %)
 11. **El-Ramady, H., T. Alshaal, S. A. Shehata, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch M. Fári and L. Marton (2014).** Soil science, plant nutrition and micro-farms. In: E. Lichtfouse (ed.), Sustainable Agriculture Reviews Vol. 14, Springer Science + Business Media B.V. ISBN 978-3-319-06015-6 (in press) (80 %)
 12. **El-Ramady, H., T. Alshaal, É. Domokos-Szabolcsy, T. Shalaby, Y. Bayoumi, N. Elhawat, A. Sztrik, J. Prokisch and M. Fári (2014).** Selenium and its role in higher plants. In: E. Lichtfouse (ed.), Environmental Chemistry for a Sustainable World Vol. 6, Springer Science + Business Media B.V. (in press).
 13. **El-Ramady, H. (2014).** Selenium phytoremediation by giant reed (*Arundo donax* L.) and restoring sustainable environment. In: E. Lichtfouse (ed.), Environmental Chemistry for a Sustainable World Vol. 6, Springer Science + Business Media B.V. (in press)
 14. **Alshaal, T., Elhawat N., É. Domokos-Szabolcsy, J. Kátai, L. Márton, M. Czako, H. El-Ramady and M. Fári (2014).** Giant Reed (*Arundo donax* L.): A Green Technology for Clean Environment. In: Ansari A. A. et al. (Eds.), Phytoremediation: Management of Environmental Contaminants V-I/II. Springer Science + Business Media B.V. (in press)

Scientific papers

(1) Local revised scientific papers

1. **Ibrahim, S. M.; S. E-D. A. Faizy; E. M. Elwakeel and H. R. El-Ramady (1997).** Impact of sugar beet cultivation under two levels of soil salinity on soil physical and chemical properties and water consumption. *J. Agric. Res. Tanta Univ.* 23 (4); 430-439.
2. **Abou El-Kheir, A. M.; T. A. Alshaal; T. M. El-Essawi; H. R. El-Ramady (2013).** Biological and biochemical soil quality indicators as affected by different cultivated crops (faba bean, onion and garlic). *Egyptian Journal of Soil Science*, Vol. 53 (2): xxx (in press).
3. **El-Ramady, H. R.; T. A. Alshaal; A. M. Abou El-Kheir; T. M. El-Essawi (2013).** Chemical soil quality indicators as affected by different cultivated crops. *Egyptian Journal of Soil Science*, Vol. 53 (1): xxx (in press).
4. **El-Shahway, A. S.; M. E. Abowaly; M. A. Koriem; A. R. Abd El-Maged; H. R. El-Ramady (2013).** Impact of continuous rice cultivation on soil fertility status in the Nile Delta of Egypt. *Egyptian Journal of Soil Science*, Vol. 53 (3): xxx (in press).

5. El-Shahway, A. S.; M. E. Abowaly; M. A. Koriem; A. R. Abd El-Maged and **H. R. El-Ramady** (2013). Impact of continuous rice cultivation on soil physical properties in the Nile Delta of Egypt. *Egyptian Journal of Soil Science* (in press).

(2) Papers in international peer-reviewed journals (Impacted, IF)

1. Haneklaus, S., **H. El-Ramady**, A. Berk, and E. Schnug (2009). Use of rare earth elements in agriculture: a review. *Journal of Agronomy and Crop Science*, (in press) (IF: 2.15).
2. Belal, A. A.; **H. R. El-Ramady**; E. S. Mohamed and A. M. Saleh (2012). Drought Risk Assessment Using Remote Sensing and GIS Techniques. *Arabian Journal of Geosciences*, DOI 10.1007/s12517-012-0707-2, Springer (IF: 0.74).
3. Alshaal, T., É. Domokos-Szabolcsy, L. Márton, M. Czakó, J. Kátai, P. Balogh, N. Elhawat, **H. El-Ramady** and M. Fári (2013). Phytoremediation of bauxite-derived red mud by giant reed (*Arundo donax* L.). *Environmental Chemistry Letters*, Vol. 11 (3): 295 – 302. DOI 10.1007/s10311-013-0406-6 (IF: 1.62).
4. Alshaal, T., É. Domokos-Szabolcsy, L. Márton, M. Czakó, J. Kátai, P. Balogh, N. Elhawat, **H. El-Ramady**, A. Gerócs and M. Fári (2013). Restoring Soil Ecosystems and Biomass Production of *Arundo donax* L. under Microbial Communities-Depleted Soil. *Bioenergy Research*, 7 (1): 268 – 278. DOI: 10.1007/s12155-013-9369-5 (IF: 4.25).
5. Belal, E. B., M. M. Hassan and **H. R. El-Ramady** (2013). Phylogenetic and characterization of salt-tolerant rhizobial strain nodulating faba bean plants. *African Journal of Biotechnology*, 12 (27): 4324-4337. DOI: 10.5897/AJB2012.3040 (IF: 0.5).
6. Shalaby, T. A. and **H. R. El-Ramady** (2014). Effect of foliar application of some biostimulants on growth, yield and its components and storability of garlic (*Allium sativum* L.). *Australian Journal of Crop Science*, 8(2): 271 – 275 (IF: 1.63).
7. Elhawat, N., T. Alshaal, É. Domokos-Szabolcsy, L. Márton, M. Czakó, J. Kátai, P. Balogh, A. Sztrik, **H. El-Ramady**, M. Molnár and M. Fári (2014). Phytoaccumulation potentials of two biotechnologically propagated ecotypes of *Arundo donax* in copper-contaminated synthetic wastewater. *Environmental Science and Pollution Research*, DOI 10.1007/s11356-014-2736-8 (in press) (IF: 2.618).

(3) Papers in international peer-reviewed journals (Non-Impacted)

1. El-Marsafawy, S. M.; M. K. Hassanein, **H. El-Ramady**, N. Y. Mokhtar (2012). Climatic Changes and their impact on the behavior of some maize varieties in Egypt. *New York Science Journal*, 5 (11): 83 – 99. No. 9414, Marsland Press, (ISSN: 1554 – 0200). <http://www.sciencepub.net/newyork>.
2. Shehata, S. A., Z. F. Fawzy and **H. R. El-Ramady** (2012). Response of cucumber plants to foliar application of chitosan and yeast under greenhouse conditions. *Australian Journal of Basic and Applied Sciences*, Vol. 6(4): 63 – 71.
3. Shehata, S. A.; M. Y. Hashem, G. I. Mahmoud, K. F. Abd El-Gawad, **H. R. El-Ramady** T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch and M. Fári (2013). Effect of foliar nutrition on post-harvest of onion seed under sandy soil and saline irrigation water conditions. *International Hungarian Journal for Horticulture*, 19 (1-2): 111 – 120.
4. Shehata, S. A.; M. Y. Hashem, G. I. Mahmoud, K. F. Abd El-Gawad, **H. R. El-Ramady** T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch and M. Fári (2013). Effects of foliar nutrition on onion seed storage under controlled atmosphere. *International Hungarian Journal for Horticulture*, 19 (1-2): 101 – 110.
5. Shehata, S. A.; M. Y. Hashem, G. I. Mahmoud, K. F. Abd El-Gawad, **H. R. El-Ramady**,

- T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch and M. Fári (2013). Effects of foliar nutrition on onion seed storage under modified atmosphere packages. *International Hungarian Journal for Horticulture*, 19 (1-2): 93 – 100.
6. Shehata, S. A.; M. Y. Hashem, G. I. Mahmoud, K. F. Abd El-Gawad, **H. R. El-Ramady**, T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, J. Prokisch and M. Fári (2013). Effects of foliar nutrition, storage temperatures and period on onion seed longevity. *International Hungarian Journal for Horticulture*, 19 (1-2): 29 – 47.
7. Elhawat, N., T. A. Alshaal, S. Kratz, É. Domokos-Szabolcsy, **H. R. El-Ramady**, J. Prokisch, P. Eszenyi, A. Sztrik, B. Babka and M. Fári (2013). Ecotoxicology of Copper in Horticultural Soils: A Review. *International Hungarian Journal for Horticulture*, 19 (1-2): 7 – 19.
8. **El-Ramady, H. R.**, M. M. Amer and M. A. Aiad (2013). Sustainable water and nutrient management: Use of land leveling, cut off irrigation and N- fertilizer in wheat production. *Journal of Applied Sciences Research*, 9 (3): 2232-2243.
9. Kurucz, E. **H. R. El-Ramady** and M. G. Fári (2014). Industrial-scale plantlet production by seed priming and nursery tray seedling method in *Sida hermaphrodita* L. Rushby. *International Journal of Horticulture Sciences* (in press).
10. Domokos-Szabolcsy, É., **H. R. El-Ramady**, T. Alshaal, T. Shalaby, Y. Bayoumi, N. Elhawat, A. Sztrik, J. Prokisch and M. Fári (2014). Biofortifying Vegetable Crops with Selenium. *International Journal of Horticulture Sciences* (in press).

Publications in international Congresses and Symposia (Full text):

1. **El-Ramady, H.**, S. Haneklaus, K. Stoeven, S. E.-D. A. Faizy and E. Schnug (2010). Effects of rare earth element-fertilizer on maize and oilseed rape. The 12th International Conference of Egyptian Society of Crop Science (ESCS), 20-22 September 2010, El-Arish, North Sinai, Egypt.
2. **El-Ramady, H.**, S. Haneklaus, K. Stoeven, S. E.-D. A. Faizy and E. Schnug (2010). Transfer and uptake of rare earth element-fertilizer and its oxidative stress on maize and oilseed rape. The 6th International Conference of Sustainable Agricultural Development, 27 – 29 December 2010, Fayoum Uni., Faculty of Agriculture, Egypt.
3. Mashali, S., S. Shaheen, **H. El-Ramady**, A. Balba and A. Khattab (2011). Phosphorus loss into ground water in paddy soils as influenced by irrigation system and rate of added-P. Conference of German Soil Science Society: ‘*Boeden verstehen – Boeden nutzen – Boeden fit machen*’, 3 – 9 September 2011, Berlin and Potsdam, Germany.
4. Youssef, S., S. E.-D. Faizy, M. Hegazy and **H. El-Ramady** (2011). Effect of different nitrogen and potassium levels and foliar application of boron on wheat yield. Conference of German Soil Science Society: ‘*Boeden verstehen – Boeden nutzen – Boeden fit machen*’, 3 – 9 September 2011, Berlin and Potsdam, Germany.
5. **El-Ramady, H. R.** and A. Belal (2012). The Nile and climate change: A review. Minia International Conference for *Agriculture and Irrigation in the Nile Basin Countries*, 26-29 March 2012, El-Minia, Egypt.
6. Belal, A.A.; **H. R. El-Ramady** and E. S. Mohamed (2012). Drought Risk Assessment Using Remote Sensing and GIS Techniques. The International Conference of Institute of African Research and Studies – Cairo University from 28-29 May 2012 about: "*Nile Basin: Development Challenges and the Future of the Egyptian Cooperation*".
7. **El-Ramady, H. R.** and A. A. Belal (2012). The Nile and Climate Changes: A Case Study for Egypt. The International Conference of Institute of African Research and Studies – Cairo University from 28-29 May 2012 about: "*Nile Basin: Development Challenges and the Future of the Egyptian Cooperation*".
8. Alshaal, T. A., A. M. Abou El-Khir, T. M. El-Essawi and **H. R. El-Ramady** (2012). Soil

- Quality Indicators As Affected By Different Cultivated Crops: I. Effects of wheat, clover and sugar beet on biological and biochemical indicators. Proc. 13th international Conf. Agronomy., Fac. of Agric., Benha Univ., Egypt, 9-10 September 2012, pp: 146 – 166, Benha, Egypt.
9. **Abou El-Khir, A. M., T. A. Alshaal, T. M. El-Essawi and H. R. El-Ramady (2012).** Biological and Biochemical Soil Quality Indicators as Affected By Different Cultivated Crops (Faba Bean, Onion and Garlic). The 10th International Conference of Egyptian Soil Science Society (ESSS) on “*Towards Optimal Utilization of Soil and Water Technologies*” and 4th International Conference “*On-Farm Irrigation and Agroclimatology*” in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, 5 – 8 November 2012, El-Ameria, Alexandria – Egypt.
 10. **El-Ramady, H. R., T. A. Alshaal, A. M. Abou El-Khir and T. M. El-Essawi (2012).** Chemical Soil Quality Indicators As Affected By Different Cultivated Crops. The 10th International Conference of Egyptian Soil Science Society (ESSS) on “*Towards Optimal Utilization of Soil and Water Technologies*” and 4th International Conference “*On-Farm Irrigation and Agroclimatology*” in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, 5 – 8 November 2012, El-Ameria, Alexandria – Egypt.
 11. **El-Ramady, H. R.; M. M. Amer and M. A. Aiad (2012).** Sustainable Water and Nutrient Management: I. Use of Land Leveling, Cut off Irrigation and N- Fertilizer in Wheat Production. The International Annual Meetings “*Visions for a Sustainable Planet*” for ASA, CSSA, and SSSA 2012 October 21-24 Cincinnati, OH, USA.
 12. **El-Shahway, A. S., M. E. Abowaly, M. A. Koriem, A. R. Abd El-Maged and H. R. El-Ramady (2012).** Impact of Continuous Rice Cultivation on Soil Fertility Status in the Nile Delta of Egypt. The 10th International Conference of Egyptian Soil Science Society (ESSS) on “*Towards Optimal Utilization of Soil and Water Technologies*” and 4th International Conference “*On-Farm Irrigation and Agroclimatology*” in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, 5 – 8 November 2012, El-Ameria, Alexandria – Egypt.
 13. **El-Shahway, A. S., M. E. Abowaly, M. A. Koriem, A. R. Abd El-Maged and H. R. El-Ramady (2012).** Impact of Continuous Rice Cultivation on Soil Physical Properties in the Nile Delta of Egypt. The 10th International Conference of Egyptian Soil Science Society (ESSS) on “*Towards Optimal Utilization of Soil and Water Technologies*” and 4th International Conference “*On-Farm Irrigation and Agroclimatology*” in conjunction with FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems, 5 – 8 November 2012, El-Ameria, Alexandria – Egypt.
 14. **Shams, A. S., H. M. Abd El-Rahman and H. R. El-Ramady (2012).** Evaluation of Integrated Nutrient Management Practices for Lettuce under Clay Soil and Drip Irrigation in Egypt. The 1st International WATERBIOTECH Conference “*Biotechnology for Africa’s sustainable water supply*” held on National Research Center, October 9 – 11, 2012, Giza, Egypt.
 15. **El-Ramady, H. R., M. M. Amer, M. A. Aiad, T. Alshaal and N. Elhawat (2013).** Significance of nutrient and water sustainability: Effect of land leveling, cut off irrigation and N- fertilization on maize yield. International Conference of German Soil Science Society (BDG): **Soils – livelihoods and responsibility**, from 7 – 12 September 2013, Rostock, Germany.
 16. **El-Ramady, H. R., M. M. Amer, M. A. Aiad, T. Alshaal and N. Elhawat (2013).** Significance of Nutrient and Water Sustainability: Effects of Soil Amendments, Land Leveling and K-Fertilization On Rice Production. The International Annual Meetings “*Water, Food, Energy, & Innovation for a Sustainable World*” for ASA, CSSA, and

- SSSA with the Canadian Society of Agronomy 2013 November **3-6 Tampa, FL, USA.**
17. **El-Ramady, H. R., T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, A. Sztrik, J. Prokisch and M. Fári (2013).** Study the effect of elemental nanoselenium in higher plants and production of nanoselenium-fortified functional vegetables. The 3rd International Scientific Workshop of Egyptian PhD-Student and their Academic Supervisors. The 2nd of May 2013 at the Egyptian Cultural Office and Study Mission in Vienna, Austria.
 18. **Mashali, S. A., S. Youssef S. E.-D. Faizy, H. R. El-Ramady and S. Ragab (2013).** Wheat Fertilization with Special Reference to Soil Properties and Groundwater Composition in Heavy Clay Soil from Egypt. International Conference of German Soil Science Society (BDG): **Soils – livelihoods and responsibility**, from 7 – 12 September 2013, Rostock, Germany.
 19. **Youssef, S. M.*, S. E.-D. Faizy, S. A. Mashali, H. R. El-Ramady and Sh. Ragab (2013).** Effect of different levels of NPK on wheat crop in North Delta. International Conference of German Soil Science Society (BDG): **Soils – livelihoods and responsibility**, from 7 – 12 September 2013, Rostock, Germany.
 20. **Fári, M.; G. Antal, E. Kurucz, T. Kaprinyák, T. Alshaal, N. Elhawat, N. Abd Alla, H. El-Ramady and É. Domokos-szabolcsy (2014).** BIOTECHNOLOGY OF NEW DEDICATED BIOMASS CROPS: PLANTBIOGEN PROGRAM IN HUNGARY. The XX conference “*Plant Breeding Scientific Days*”, Book abstract pages 140 – 145, on March 18, 2014, Hungarian Academy of Sciences, Department of Agricultural Sciences, Budapest, Hungary.
 21. **Domokos-Szabolcsy, É., H. El-Ramady, A. Sztrik, O. Zsíros, G. Garab, L. Márton and M. Fári (2014).** Higher plants as a biological tool alleviating selenium demand and pollution. The 14th International Conference Scientific Days 27-28 March 2014 Gyöngyös Hungary.

Training course:

- “**Integration between remote sensing and GIS**” Training course, 11 – 15 July 2010, National Authority for Remote Sensing and Space Sciences (NARSS), Scientific Training and Continuous Studied Division, Egypt.
- Training Seminar on “**Youth X Change in the Mediterranean**” co-organized by Arab Office for Youth and Environment (AOYE) and MIO-ECSDE/MedIES (Greece) on Saturday 9 October 2010, Cairo, Egypt.
- “**ICTT training course**” Spread sheet, computer maintenance and Information technology, **December 11 – 19, 2010**, Kafrelsheikh Uni., Projects Management Unit (PMU), Information Technology Training, Kafr El-Sheikh, Egypt.
- Training Course on “**Roof Gardening**” held at Kafrelsheikh University, Faculty of Agriculture, on **March 5, 2011**, organized by Environment Protection Scientific Society (EPSS), Kafr El-Sheikh, Egypt.
- Training Course on “**Climate and its role in agriculture**” held in Water Requirements and Field Irrigation Research Dept., Soil, Water and Environment Institute (SWERI), Agricultural Research Center (ARC), Giza, Egypt, on 23 – 27 September, 2012.
- Training Workshop on “**Land degradation and Sustainable Land Management (SLM) assessment using Land Degradation Assessment in Drylands (LADA) – World Overview of Conservation Approaches and Technologies (WOCAT) tools**” held in Golden Tulip Flamenco Hotel, **Cairo** and organized by Food and Agriculture Organization of the United Nations (FAO) on November 18 – 22, 2012.
- Training for **5 months** (from January – May 2013) in Laboratory (Orsós Ottó Lab), Plant

Biotechnology Department, *Centre for Agricultural and Applied Economic Sciences, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Hungary.*

Attendance of some Symposiums and Conferences: (Before 2008)

1. International Conference on “**What is important to know about micronutrients**” 25th November, 2004, FAL, Braunschweig, Germany.
2. International Conference on “**Roadmaps zur mehr N – Effizienz – Verringerung von Bilanzueberschuessen bei der N – Versorgung landwirtschaftlicher Kulturpflanzen**” 22nd February, 2005, FAL, Braunschweig, Germany.
3. International Conference on “**Cross-talks between metabolic pathways involving sulphur in plants**” 21-23 October, 2005, FAL, Braunschweig, Germany.
4. International Conference on “**What is important to know about humus**” 24th November, 2005, FAL, Braunschweig, Germany.
5. International Conference on “**Phosphor-Gedanken zur Nachhaltigkeit**” 7th April, 2006, FAL, Braunschweig, Germany.
6. International Conference on “**Better plants for better life**” 2nd German/Egyptian Workshop, 11th December, 2007, FAL, Braunschweig, Germany.
7. “**Symposium of the Talk Force on sustainable agriculture of the agenda 21 for the Baltic Sea Region (Baltic 21) Issues of non-sustainability in agriculture: Facts and solutions**” 28-29 April, 2008, JKI, Braunschweig, Germany.
8. **The 17th International Symposium of International Scientific Center for Fertilizers (CIEC) “Plant nutrient management under stress conditions”** organized by National Research Centre (NRC) in collaboration with Project Micronutrients and Plant Nutrition Problems, 24 – 27 November, 2008, Giza, Egypt.

Attendance of some conferences: (After 2008 attendance only)

1. **The 9th National Conference on Environmental changes as related to soil productivity in Egypt, 18 – 20 October, 2010**, Egyptian soil Society (ESSS) on the occasion of gold Jubilee for issue Egypt. J. Soil Sci. (Vol. 1), Agricultural Research Centre, Giza, Egypt.
2. Conference about “**The development in Sinai**”. Ministry of Agriculture, Agriculturist Club, **June 27, 2011**, Giza, Egypt.
3. **The 1st International Conference on “Sinai for New Egypt (SNE)”**, Cairo University, Conference Centre, **January 16 – 18, 2012**, With Contribution by American University in Cairo (AUC), University of Waterloo (Canada), Agricultural Research Centre (ARC), and National Authority for Remote Sensing and Space Sciences (NARSS).

Attendance of some conferences: (After 2008 with paper)

1. **The 12th International Conference of Egyptian Society of Crop Science (ESCS)**, 20-22 September 2010, Faculty of Environmental Agricultural Sciences El-Arish, Suez Canal Uni., North Sinai, Egypt.
2. **The 6th International Conference of Sustainable Agricultural Development**, 27 – 29 December 2010, Fayoum Uni., Faculty of Agriculture, Egypt.
3. International Conference of German Soil Science Society: “**Boeden verstehen – Boeden nutzen – Boeden fit machen**”, September 3 – 9, 2011, Berlin and Potsdam, Germany.
4. Minia International Conference for **Agriculture and Irrigation in the Nile Basin Countries**, Faculty of Agriculture, Minia University, **El-Minia 26-29 March 2012**, El-Minia, Egypt.

5. Annual International Conference of Institute of African Research and Studies – Cairo University **May 28-29, 2012** about: “*Eastern Nile Basin: Development Challenges and Future of the Egyptian Cooperation*”. Cairo University, Giza 12613, Egypt.
6. The **13th International** Conference of Egyptian Society of Crop Science (ESCS), Faculty of Agriculture Moshtohor, Benha University, **10 – 11 September 2012**, Benha, Egypt.
7. The **1st International** WATERBIOTECH Conference “*Biotechnology for Africa’s sustainable water supply*” held on National Research Center, **October 9 – 11, 2012**, Giza, Egypt.
8. The International Annual Meetings “*Visions for a Sustainable Planet*” for American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and Soil Science Society of America (SSSA) **October 21-24, 2012** Cincinnati, OH, USA.
9. The **10th International Conference** of Egyptian Soil Science Society (ESSS) on “*Towards Optimal Utilization of Soil and Water Technologies*” in conjunction with **FAO, IFAD, Government of South Australia**, Rural Solutions SA Global food & Agriculture Systems, **5 – 8 November 2012**, El-Ameria, Alexandria – Egypt.
10. The **4th International Conference** of Water Requirements & Field Irrigation Department, Soil, Water and Environment Institute (SWERI), Agricultural Research Center (ARC) on “*On-Farm Irrigation and Agroclimatology*” in conjunction with **FAO, IFAD, Government of South Australia**, Rural Solutions SA Global food & Agriculture Systems, **5 – 8 November 2012**, El-Ameria, Alexandria – Egypt.
11. The International Conference of German Soil Science Society (BDG): **Soils – livelihoods and responsibility**, from **7 – 12 September 2013**, Rostock, Germany.

Attendance of some conferences: (Abstract only)

1. The XIX conference “*Plant Breeding Scientific Days*”, Book abstract pages 85 – 86, on **March 7, 2013**, Pannon University, Georgikon Faculty, **Keszthely, Hungary**. The poster entitled: **Tolerance evaluation of somatic embryo derived giant reed (*Arundo donax* L.) clusters to selenium using two different ecotypes** (H. El-Ramady, E. Domokos-Szabolcsy, L. Marton, A. Sztrik, J. Prokisch and M. Fari).
2. The 3rd International Scientific Workshop of Egyptian PhD-Student and their Academic Supervisors. The **2nd of May 2013** at the Egyptian Cultural Office and Study Mission in Vienna, Austria. The presentation entitled: **Elemental nano-selenium in higher plants and production of nano-selenium-fortified functional vegetable** (Hassan R. El-Ramady, T. A. Alshaal, É. Domokos-Szabolcsy, N. Elhawat, A. Sztrik, J. Prokisch and M. Fári).
3. The International Conference of “*Plant biotechnology for the future of agriculture in the Central European region*” 30th September – 2nd October 2013, **Cluj-Napoca, Romania**. The poster entitled: **Biotechnology of Biomass Supply Chain: Central European Perspective** (M. G. FÁRI, G. ANTAL, T. ALSHAAL, N. ELHAWAT, H. EL RAMADY, E. KURUCZ, É. DOMOKOS-SZABOLCSY).
4. The International Annual Meetings “*Water, Food, Energy, & Innovation for a Sustainable World*” for ASA, CSSA, and SSSA with the Canadian Society of Agronomy 2013 November **3-6 Tampa, FL, USA**. The presentation entitled: **Significance of Nutrient and Water Sustainability: Effects of Soil Amendments, Land Leveling and K-Fertilization On Rice Production** (Hassan R. El-Ramady, T. Alshaal, M. Amer, M. Aiad and N. Elhawat).
5. The **11th International Conference** “*Climate Changes and Sustainable Development of Natural Resources*” for the *Egyptian Soil Science Society* (ESSS), **5-7 May 2014, Kafr El - Sheikh**, Egypt. The presentation entitled: **Selenium: Its Implications to Human Health through Soils under Climate Changes** (El-Ramady, H., N. Abd Alla, T. Alshaal, N. Elhawat, É. Domokos-Szabolcsy, J. Prokisch, A. Sztrik and M. Fári).

6. The 11th International Conference “*Climate Changes and Sustainable Development of Natural Resources*” for the *Egyptian Soil Science Society (ESSS)*, 5-7 May 2014, *Kafr El - Sheikh*, Egypt. The presentation entitled: **Influence of Giant Reed (*Arundo donax* L.) Plantation on Soil Quality in Different Regions: A Comparison Study** (Tarek Alshaal, N. Elhawat, H. El-Ramady, É. Domokos-Szabolcsy, J. Kátai, L. Márton, M. Czakó and M. Fári).
7. The 11th International Conference “*Climate Changes and Sustainable Development of Natural Resources*” for the *Egyptian Soil Science Society (ESSS)*, 5-7 May 2014, *Kafr El - Sheikh*, Egypt. The presentation entitled: **Tolerance Efficiency and Soil Remediation Potential of Giant Reed (*Arundo donax* L.)** (Éva Domokos-Szabolcsy, H. R. El-Ramady, T. Alshaal, L. Márton, O. Zsíros, Gy. Garab Sz. Veres, J. Prokisch N. Elhawat, N. Abd Alla and M. Fári).
8. The 11th International Conference “*Climate Changes and Sustainable Development of Natural Resources*” for the *Egyptian Soil Science Society (ESSS)*, 5-7 May 2014, *Kafr El - Sheikh*, Egypt. The presentation entitled: **Biotechnology Assisted Breeding of Endangered Virginia Mallow (*Sida hermaphrodita* L.) in Central Europe** (Erika Kurucz, É. Domokos-szabolcsy, G. Antal, T. Kaprinyák, T. Alshaal, N. Elhawat, N. Abd alla, H. El-Ramady and M. Fári).
9. The international Conference "*Biogeochemical Processes at Air-Soil-Water Interfaces and Environmental Protection*" for the European Society for Soil Conservation, **Imola–Ravenna, Italy 23-26 June 2014**. The presentation entitled: **Nano-selenium: from *in vitro* to micro farm experiments** (Hassan R. El-Ramady, N. A. Abd Alla, T. A. Alshaal, N. Elhawat, É. Domokos-Szabolcsy, J. Prokisch, A. Sztrik and M. Fári).
10. The 11th International Conference “*Climate Changes and Sustainable Development of Natural Resources*” for the *Egyptian Soil Science Society (ESSS)*, 5-7 May 2014, *Kafr El - Sheikh*, Egypt. The presentation entitled: **Alleviation soil salinity and sodicity hazard by using some bio-chemical and natural substances** (Amer, M., M. Aiad and H. El-Ramady).
11. The International Annual Meeting of ASA, CSSA and SSSA for "**Grand Challenges – Great Solutions**" Long Beach, CA – Nov. 2-5, 2014. The presentation entitled: **Biofortifying vegetable crops with selenium** (El-Ramady, H., N. Abd Alla, E. Domokos Szabolcsy, J. Prokisch and M. Fari).

Workshops and Symposiums: (attendance only)

- The 1st International Workshop about: *Nanotechnology and its Applications*. Hilton Dream, Dreamland, 6th October City, **December 30, 2010**, NanoTech, 6th October City, Egypt.
- The 2nd Workshop of GI@MED Project “*Electronic organization of agricultural schools with geoinformation technologies for the promotion of convergent strategies in the management of rural regions, water resources and the environment in the South-Eastern Mediterranean*” organized and hosted by Arid Lands Agricultural Services and Research Centre (ALARC), Faculty of Agriculture, Ain Shams, Cairo, Egypt on **October 10, 2011** entitled “**Incorporation of Geoinformation Techniques in Agriculture**”
- The 2nd International Workshop about: *Nanotechnology-based Economy and its Applications*. Hilton Dream, Dreamland, 6th October City, 21-23 June 2011, NanoTech, 6th October City, Egypt.
- Workshop on “**ENVIRONMENT & BIO-AGRICULTURE**” held at National Research Centre, Cairo – Egypt in collaboration with the Agricultural Research Centre and the Faculty of Agriculture, Cairo University, **April 2-3, 2012**.
- Workshop on “*The 5th Research plan for the Institute of Soils, Water and Environment*” held at Institute of Soils, Water and Environment, Agricultural Research Centre, 9 Cairo University Street, Giza – Egypt, on **22 – 23 May 2012**.

- List of Symposium about “**CAIRO CLIMATE TALKS (CCT)**” organized by DAAD (German Academic Exchange Service) office in Cairo as follows:
 - (1) The 5th Panel Discussion about “**CLIMATE CHANGE – HOW VULNERABLE IS EGYPT?**” held on March 12th, 2012 at El Sawy Culture wheel.
 - (2) The 6th Panel Discussion about “*A Greener Cairo - Visions & Realities*” held on April 29th, 2012 at DAAD Cairo.
 - (3) The 7th Panel Discussion about “*DESERTEC – Energy from the Desert - Opportunities for Egypt*” held on June 5th, 2012 at El Sawy Culture wheel.
 - (4) The 8th Panel Discussion about “*Paving the way to a sustainable Egypt – A discussion in the light of RIO +20*” held on July 10th, 2012 at DAAD Cairo.
 - (5) The 9th Panel Discussion about “*Education for the Future – Youth against Climate Change*” held on September 26th, 2012 at DAAD Cairo.
 - (6) The 10th Panel Discussion about “*On the Way to Doha – Opportunities for Egypt*” held on October 15th, 2012 at DAAD Cairo.
 - (7) Cairo Talks on Transformation and Change – **CTTC: Partners or just “friends”? The Euro-Mediterranean Partnership and the Arab Spring**, the 11th CTTC, 5 June 2013 at DAAD Cairo.
- Symposium on “**German Science day on the occasion of the opening of German Science Centre in Cairo**” held on **November 12, 2012** in DAAD in Cairo.
- Symposium about “**Priorities for Land Reclamation in Egypt**” organized and hosted by Soil Sciences Department, Faculty of Agriculture, Ain Shams, Cairo, Egypt on **November 26, 2012** with collaboration the Egyptian Society of Organic Agriculture and Environmental Protection (ESOAEP) and Ministry of Agriculture & Land Reclamation.
- Workshop on “**Environment and agricultural sustainable development**” held at Soil, Water and Environment Institute (SWERI), Agricultural Research Center (ARC), **June 3-5, 2013**, Giza, Egypt on occasion of the International Day of Environment.

Workshops and Symposiums: (participation as a lecturer)

- Workshop presented through Project of Improving Competitiveness of some Vegetable Crops for Export on “**Nutrition of vegetable crops and its quality**”:
 1. **Strawberry** held at Qualubia Governorate, **February 20, 2009**, Benha, Qualubia, Egypt.
 2. **Strawberry** held at Zagazig Governorate, **December 1, 2010**, Zagazig, Egypt.
 3. **Potatoes** held at Giza Governorate, **January 11, 2012**, Saff, Giza, Egypt.
- Workshop on “**Modern technology for the production and handling of exported vegetable and fruit crops**” held at Faculty of Agriculture, Cairo University, **February 20 – 24, 2010**, Vegetable Crops Dept., Project of Improving Competitiveness of some Vegetable Crops for Export, Giza, Egypt.

Workshops and Symposiums: (participation as an organizer)

- Workshop on “**Nanotechnology Science and its applications in Agriculture**” held at Kafrelsheikh University, Faculty of Agriculture, on **December 8, 2010** organized by Environment Protection Scientific Society (EPSS), Kafr El-Sheikh, Egypt.
- Symposium on “**The Nile River and Water Crisis**” held at Kafrelsheikh University, Faculty of Agriculture, on **May 29, 2011** organized by Scientific Society for Environmental Development (SSED), Kafr El-Sheikh, Egypt.
- Symposium on “**Roof Gardening**” held at Kafrelsheikh University, Faculty of Agriculture, on **November 16, 2011**, organized by Scientific Society for Environmental Development (SSED), Kafr El-Sheikh, Egypt.

- Symposium on “**Environmental Pollution – Problems and Solutions**” held at Kafrelsheikh University, Faculty of Agriculture, on **April 24, 2012**, organized by Soil and Water Sciences Department, Faculty of Agriculture, Kafr El-Sheikh, Egypt.

Research projects:

1. Co – Investigator in research *Project of Improving Competitiveness of some Vegetable Crops for Export*. University of Cairo, Faculty of Agriculture, **2007 – 2017** funded from Ministry of Agriculture, Egypt. The PI of project is **Prof. Dr. Said Shehata**, Cairo Uni., Faculty of Agriculture, Vegetable Crops Dept.
2. Co – Investigator in research project of *Development of Post Harvest Treatments of some Vegetable Crops*. University of Cairo, Faculty of Agriculture, **2008 – 2017** funded from Ministry of Agriculture, Egypt. The PI of project is **Prof. Dr. Said Shehata**, Cairo Uni., Faculty of Agriculture, Vegetable Crops Dept.
3. Co – Investigator in research project (*Contamination of Water Resources, Drinking and Irrigation, and Agricultural Soils in Kafrelsheikh Governorate by Some Organic and Inorganic Pollutants with Remediation Approaches*) Kafrelsheikh University Egypt, December, **2009 – 2012**. The PI of project is **Dr. Sabry Shaheen**, Faculty of Agriculture, Kafrelsheikh University. Funded from Kafrelsheikh University, sector of postgraduate and research affairs, university researches fund (Project No. KFUR03).
4. Project of *Transformation of Soil Sciences Department Courses to Electronic Form*, Kafrelsheikh University, Egypt, **April, 2010 – April, 2013**. The PI of project is **Dr. Sabry Shaheen**, Faculty of Agriculture, Kafrelsheikh University. Funded from the Ministry of Higher Education, Supreme Council of Universities.
5. Co – Investigator in research project *Adaptation to climate change for some major field crops in Egypt*, Soil, Water and Environment Institute (SWERI), Agricultural Research Centre (ARC), Central Laboratory for Agricultural Climate (CLAC) from March, **2010 to March 2013**. The PI of project is **Prof. Dr. Samia El-Marsafawy**, Head of Water Requirements and Field Irrigation Research, SWERI. Funded from Science and Technology Development Fund (STDF), Ministry of Higher Education and Scientific Research.
6. Co – Investigator in research project of “*Applied biotechnology for large-scale growing of Jerusalem artichoke for biomass industry and food processing –BIOJAR*”, Debrecen University, Hungary, **September, 2014 – April, 2015**. The PI of project is **Prof. Dr. Sándor Hodossi**, Center of Agricultural Sciences, Institute of Research and Development, Debrecen University. Funded by the Hungarian Government.

Training courses attended: (at Faculty Leadership and Development Center)

- Preparing a university teacher (1995). Faculty of Education, Tanta University, Egypt
- Quality assurance in the teaching process (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- International scientific publishing (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- Financial and law Aspects of University (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- Legal aspects of university (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- Ethics and morals of the teaching career (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt

- Effective communication skills (2008). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- Management of scientific research (2011). Faculty Leadership and Development Center, Kafrelsheikh University, Egypt
- Conference organization (2013). Faculty Leadership and Development Center, Cairo University, Egypt
- Exams and students evaluation systems (2013). Faculty Leadership and Development Center, Cairo University, Egypt
- E-Learning (2013). Faculty Leadership and Development Center, Cairo University, Egypt
- Strategic planning (2013). Faculty Leadership and Development Center, Cairo University, Egypt

Miscellaneous:

Coordinator for establishment of Memorandum of Understanding (**MOU**) between Egyptian Soil Science Society (**ESSS**) and the following Soil Science Societies:

- (1) The International Union of Soil Science (IUSS) to re-active the collaboration with it (established).
- (2) Soil Science Society of America (**SSSA**) on April 25, 2012 (established).
- (3) Australian Society of Soil Science Incorporated (**ASSSI**) on 1.6.2012 (not established).
- (4) Italian Soil Science Society (*Società Italiana della Scienza del Suolo*, **SISS**) on June 20, 2012 (not established).
- (5) German Soil Science Society (*Deutschen Bodenkundlichen Gesellschaft*, **DBG**) started on July 2011 but not established.
- (6) European Society for Soil Conservation (**ESSC**) on November 16, 2013 (established).
- (7) Hungarian Soil Science Society (**HSSS** or *Magyar Talajtani Társaság*, **MTT**) on November 16, 2013 (established).

The official communication coordinator for the Egyptian Soil Science Society (**ESSS**) from 25 June 2011.

The official communication coordinator for the Egyptian Soil Science Society (**ESSS**) for listing of the ESSS website on the European Soil Science Websites (**EU Soil Portal**): <http://eusoils.jrc.ec.europa.eu/library/links/SoilSociety.cfm> on July 15, 2012.

Coordinator for establishment of some websites:

- (1) for the *Egyptian Soil Science Society* (**ESSS**) (www.esss.org.eg) on July 2, 2012 and the responsible Council member for this website performance
- (2) The *Scientific Society for Environmental Development* (**SSED**) (www.ssed-kfs.org.eg) on August, 2012 and the responsible Council member for this website performance

Moderator for establishment of the e-mail address for the Egyptian Soil Science Society (**ESSS**) (ESSS_group@yahoogroups.com) on November 2, 2011.

Coordination of international conferences:

- Member in the **organizing** and **different committees** of the **10th International Conference** of Egyptian Soil Science Society (**ESSS**) on “*Towards Optimal Utilization of Soil and Water Technologies*” in conjunction with **FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems**, 5 – 8 November 2012, El-Amieria, Alexandria – Egypt.
- Member in the **organizing** and **different committees** of the **4th International Conference** of Water Requirements & Field Irrigation Department, Soil, Water and Environment Institute

(SWERI), Agricultural Research Center (ARC) on “*On-Farm Irrigation and Agroclimatology*” in conjunction with **FAO, IFAD, Government of South Australia, Rural Solutions SA Global food & Agriculture Systems**, 5 – 8 November 2012, El-Ameria, Alexandria – Egypt.

- Member in the **organizing** and **different committees** of the **1st International** Conference “*Climate Changes and Sustainable Development of Natural Resources*” Organized by the *Scientific Society for Environmental Development (SSED) Kafrelsheikh University*, Soil and Water Sciences Department, Faculty of Agriculture, Kafrelsheikh University, Soils, Water and Environment Institute (SWERI) and Food and Agriculture Organization (FAO), **5-7 May 2014, Kafr El -Sheikh**, Egypt.
- Member in the **organizing** and **different committees** of the **11th International** Conference “*Climate Changes and Sustainable Development of Natural Resources*” Organized by the *Egyptian Soil Science Society (ESSS)*, Soil and Water Sciences Department, Faculty of Agriculture, Kafrelsheikh University, Soils, Water and Environment Institute (SWERI) and Food and Agriculture Organization (FAO), **5-7 May 2014, Kafr El -Sheikh**, Egypt.