

Dr. agr. Emad El-Din Abd El-Razek

Associate Prof. of Pomology,
Pomology Dept., National Research Centre (NRC)
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**CURRICULUM VITAE****Personal data:**

Name:	Emad El-Din El-Sayed Abd El-Razek Mohamed Ali
Nationality:	Egyptian
Date of Birth:	24.09.1971
Place of Birth:	Cairo, Egypt.
Marital Status:	Married, with two Children

Education

1977-1982	"El-Mobtadian' Primary school, Al-Monira, Cairo, Egypt.
1982-1985	"Mostafa Kamel' Preparatory school, Abdeen, Cairo, Egypt.
1985-1988	"El-Khedivy Ismail' Secondary school, Al-Monira, Cairo, Egypt.
1988-1992	B. Sc. degree in Agriculture Science The High Institute of Agricultural Cooperation, Cairo, Egypt.
1992-1993	Military service in Egypt.
1996-1998	B. Sc. degree in Horticulture Science (Pomology) Horticulture Dept., Faculty of Agriculture, Moshtohor, Zagazig University, (Benha Branch), Egypt.
1999-2003	M. Sc. degree in Horticulture Science (Pomology) Horticulture Dept, Faculty of Agriculture, Moshtohor, Zagazig University, (Benha Branch), Egypt. Title of thesis: Physiological studies on growth and seed yield of some citrus rootstocks.
2003- 2005	Ph. D. Student, Horticulture Dept., Faculty of Agriculture, Ain Shams University, Egypt.
2005- 2008	Ph. D. Student, Fruit Science Unit Center of Life Sciences Weihenstephan (WZW), Technische Universität München (TUM), Freising, Germany. Title of thesis: Effect of horticultural practices on improving productivity and fruit quality of 'Crimson Seedless' grapes.
19/3/2008	Ph. D. degree (Dr. agr.), Horticulture Science (Pomology), Fruit Science Unit, Center of Life Sciences Weihenstephan (WZW), Technische Universität München (TUM), Freising, Germany.

Work experience:

26.09.1995 – 09.07.2002 Agronomist in Pomology. Dept., National Research Centre,
10.07.2002 - 28.04.2003 Research Assistant in Pomology. Dept., National Research Centre.
29.04.2003 - 30.06.2008 Assistant Researcher in Pomology Dept., National Research Centre.
11.11.2005 - 05.04.2008 Assistant Researcher and Ph. D. student, Fruit Science Unit.
Center of Life Sciences Weihenstephan (WZW),
Technische Universität München (TUM), Freising, Germany
01.07.2008 - 08.09.2013 Researcher in Pomology Dept., National Research Centre.
Since 09.09.2013 Associate Prof. in Pomology Department, National Research Centre.

Projects:

- (1) From 01.07.2008 to 30.06.2010: a scientific member of the project:
"Effect of different organic matters on growth and productivity of some olive cultivars under drought stress. National Research Centre (NRC), Cairo, Egypt.
- (2) From 01.07.2008 to 30.06.2010: a scientific member of the project:
"The applied towards for enhancing the productivity of olive yield". National Research Centre (NRC), Cairo, Egypt.
- (3) From 01.07.2011 to 30.06.2013: Principal Investigator (PI) of the project:
"Management and fertilization of Fruit Trees under Calcareous Soil Conditions". National Research Centre (NRC), Cairo, Egypt.
- (4) Since 01.07.2013 until now: Co-Principal Investigator (Co-PI) of the project:
"Maximize of water use efficiency and productivity of some Fruit crops grown under sandy soil conditions using some horticultural practices". National Research Centre (NRC), Cairo, Egypt.
- (5) Since 01.07.2013 until now: a scientific member in the project:
"Increasing the productivity of fruit orchards using weed control in experimental research station Nubaria". National Research Centre (NRC), Cairo, Egypt.
- (6) Since 01.07.2013 until now: a scientific member of the project:
"Improving productivity and marketing quality of pomegranate trees under poor soil condition in Sini with increasing storage capacity and processing of produced fruits". National Research Centre (NRC), Cairo, Egypt.
- (7) Since 01.07.2013 until now: a scientific member of the project:
Plantation and potential application of jojoba and jatropa trees under Sini peninsula condition". National Research Centre (NRC), Cairo, Egypt.
- (8) Since 01.11.2015 until 13.01.2017: a scientific member of the project:
Effect of foliar application with nanomaterials on yield and fruit quality of mango trees". National Research Centre (NRC), Cairo, Egypt.

International Symposiums, Workshops, Training courses, Schools and Modules:

(1) 'Bioactive compounds in fruits and vegetables'

WS 2005 course, Fruit Science Unit, Center of Life Sciences Weihenstephan (WZW), Technische Universität München (TUM), Freising, Germany.

(2) 'Analysis of Secondary Plant Metabolites'

SS 2006 course, Fruit Science Unit, Center of Life Sciences Weihenstephan (WZW), Technische Universität München (TUM), Freising, Germany.

(3) 'Biotechnology in Horticulture'

SS 2006 course, Fruit Science Unit, Center of Life Sciences Weihenstephan (WZW), Technische Universität München (TUM), Freising, Germany.

(4) "3rd International Symposium of SFB 607: Mechanisms of Growth, Competition and Stress Defense in Plants".

7 - 8th March, 2006, Technische Universität München, Freising, Germany.

(5) 'First Symposium in Horticulture in Europe'.

17-20th February 2008. University of Vienna, Biozentrum, Austria.

(6) "Strategic Thinking".

7th Nov. 2009. Conducted by Dr. Mostafa Hunter, Alumniportal Deutschland - In the framework of the DAAD Alumni day, Goethe Institute, Cairo, Egypt

(7) "Workshop für Multiplikatoren der Technischen Universität München".

"Workshop for Ambassadors of the Technical University of Munich".

19-21th Feb. 2010. Conducted by Dr. Julia Meyer – Alumni&career Service, International office, Technical University of Munich (TUM), Germany.

(8) "BioVisonAlexandria 2010 conference". DAAD Invitation to attendance the German profs. presentation. 11-15th April 2010. Bibliotheca Alexandria, Egypt.

(9) "The Certificate Program 2010 in the context of DAAD Alumni Academy".

21st March to 12th July 2010, which comprised of 6 workshops, taught by Dr. Claudia Gross and Dr. Mostafa Hunter in the following topics:

- 1- Communication in Teams.
- 2- Basics of Management and Leaderships.
- 3- Time Management and Planning.
- 4- Strategic Management.
- 5- Conflict Management and Negotiation.
- 6- Finance for non-Financials.

(10) "2nd Alumni Intake Certificates of DAAD Alumni Academy".

1st Oct. to 20th Dec. 2010, which comprised of 6 workshops, taught by Dr. Claudia Gross and Dr. Mostafa Hunter. in the following topics:

- 1-- Creative Thinking. 2- Solution Finding. 3- Managing Change. 4- Marketing Plan.
- 5- Business Plan Development I. 6- Business Plan Development II.

DAAD Alumni Academy is organized by DAAD, at the premises of "DAAD Cairo", Egypt.

- (11) **"2nd Symposium in Horticulture in Europe "**.
1-5th July 2012. University of Angers, France.
- (12) **DAAD International Summer School: "Handicaps and Advantages of Tropics: Current Aspects in Teaching Results gained from Research"**.
11-21 Sep. 2012, Justus-Liebig- Universität Giessen, Germany.
- (13) **"Tropentag 2012 - International Research on Food Security, Natural Resource Management and Rural Development: " Resilience of Agricultural Systems Against Crises "**, 19 – 21st September 2012. International conference, Georg-August-University of Goettingen, Germany.
- (14) **"Rio+20 Green Economy"**. 25th Nov. – 2nd Dec. 2012. Alumni Workshop, Humboldt Universität zu Berlin, Germany.
- (15) **"3rd International Symposium on Pomegranate and Minor Mediterranean Climate Fruits"**. 20-24th September 2013, Shandong Institute of Pomology, Taian, Shandong Province, China.
- (16) **'The international course on modeling of the date palm'**. 11-15th Nov. 2013, Ouarzazate, Morocco. Conducted by date palm research consortium of Euromed 3+3 and PHC Magherb networks, Mohammed 1st University, Morocco & CIRAD, France.
- (17) Participation in the Module of DAAD Kairo Academy:
"Managing Difficulties by Peaceful Means". 23 & 24th June 2014 which taught by Ms. Cornelia Brinkmann & Ms. Katharina Waczek at the premises of "DAAD Cairo", Egypt.
- (18) Participation in the Module of DAAD Kairo Academy:
"Proposal Writing Post Docs". 25th June 2014 which taught by Prof. Dr. Mohamed El-Fouly at the premises of "DAAD Cairo", Egypt.
- (19) **"The 11th International Conference on Grapevine Breeding and Genetics"**,
28th July to 2nd August, 2014, Yanqing County, Beijing, China.
- (20) **International Workshop of Alumni Academy / Sustainability: "Paths towards Sustainability - The International Future Workshop"**,
04-13th Sep. 2014, Siegen Univ., and Alanus Univ. of Arts & Social Sciences, Alfter - Bonn, Germany.
- (21) **"Module 1/2014: Initiating and conceiving projects for sustainable development"**. 04-13th Sep. 2014, Siegen University and Alanus University of Arts & Social Sciences, Alfter - Bonn, Germany.
Project managers: Dr. Susanne Padberg, Head of alumni network of Siegen University & Prof. Dr.-Ing. Mathias Wirths, Manager of InKA cooperation partner with Alanus University of Arts & Social Sciences, Alfter-Bonn, Germany.

- (22) **"2nd Scientific Symposium and 6th General Assembly of Oenoviti international & Oenodoc: Exploitation of autochthonous and more used vines varieties. Genetic pedigree and phenotyping, tolerance and stress, diseases to control, rootstocks"**. 3-5th Nov. 2014, Hochschule Geisenheim University, Geisenheim, Germany.
- (23) **Participation in the Module of DAAD Kairo Academy:**
"Managing Difficulties by Peaceful Means". 23 & 24th June 2014 which taught by Ms. Cornelia Brinkmann & Ms. Katharina Waczek at the premises of "DAAD Cairo", Egypt.
- (24) **Participation in the Module of DAAD Kairo Academy:**
"Scientific Thinking and Argumentation Skills for Problem Solving". of the further domain "Academic Skills". 29th July 2015 which taught by Mr. Mohamed Taha at the premises of Faculty of Commerce and Business Administration- Helwan University, Cairo, Egypt.
- (25) **International Workshop of Alumni Academy / Sustainability: Paths towards Sustainability – "The International Future Workshop"**, 04-15th Sep. 2015. Siegen Univ. and Alanus Univ. of Arts & Social Science, Alfter- Bonn, Germany.
- (26) **"Module 2/2015: Control projects for sustainable development"**.
 04-15th Sep. 2015. Project managers: Dr. Susanne Padberg, Head of alumni network of Siegen University & Prof. Dr.-Ing. Mathias Wirths, Manager of InKA cooperation partner with Alanus University of Arts and Social Sciences, Alfter- Bonn, Germany.
- (27) **"Tropentag 2015 - Management of land use systems for enhanced food security - conflicts, controversies and resolutions"**, 16 – 18st Sep. 2015. International conference, Humboldt Universität zu Berlin, Germany.
- (28) **"Training Program of Molecular Biology Experimental Technology"**.
 15th Nov.- 5th Dec., 2015. Yangzhou University, Jiangsu province, China.
- (29) **Participation in the Module of DAAD Kairo Academy:**
"Managing Innovation in Academia". of the further domain "Advanced Training for Alumni ". 29th Feb. 2016 taught by Prof. Dr. Galal Hassan Galal-Edeen. at the premises of "DAAD Cairo", Egypt.
- (30) **"International Training Workshop on High Efficient Plant Factory Technology"**.
 17th Oct.- 6th Nov., 2016. The Graduate School of the Chinese Academy of Agricultural Sciences. Haidian District, Beijing, China.
- (31) **Organizer in the International Workshop: "Climate Smart Agriculture in Egypt and China"** 22nd March, 2018, within the framework of the Egyptian-Chinese cooperation between National Research Centre (NRC) and South China Agriculture University (SCAU). NRC, Giza, Egypt.

- (32) **Deputy President of Scientific and Culture Relationship Committee, Agricultural and Biological Division, National Research Centre (NRC)**, Giza, Egypt. From 1st March, 2018 to 31st Feb, 2019. Scientific Missions & Exchange to abroad is the priority of committee activities.
- (33) **“Visiting the University Oran 1 Mohamed ben Bella, LBRAP Lab.”** to prepare the potential scientific cooperation between National Research Center (NRC) & the LBRAP Lab. Official invitation from Algerian Ministry of Higher Education, 23- 28th June 2018., Oran, Algeria.
- (34) **“Green Chemistry and World Transformation towards Sustainability”**. International Workshop April 9th, 2019. NRC, Giza, Egypt. Within the framework of the Egyptian-Romanian cooperation between National Research Centre (NRC) and Politehnica University of Bucharest.
- (35) **International Training Course: “Horticulture sector development for emerging markets”**.
6th -24th May, 2019. The Wageningen Centre for Development Innovation (WCID), The Wageningen University & Research (WUR). OKP fellowship which is financed by the Dutch Ministry of Foreign Affairs from the budget for development cooperation. The Kingdom of the Netherlands.
- (36) **International Course “Let’s Break the Chain of Covid-19 Infection”**,
19th April 2020, As a part of the MBRU Community Immunity Ambassador Program. The Mohamed Bin Rashid University of Medicine and Health Science (MBRU), UAE (On-line).
- (37) **The 12th International Agriculture Symposium “AGROSYM 2021”**,
7-10th Oct. 2021, Jahorina, Bosnia and Herzegovina (accepted 2 oral presentations on 16 July 2021).
- (38) A member in the scientific committee of the **1st International Conference: Sustainable Agriculture: Tools and Innovation. “AgriNov 2021”**. Which will be held at the Faculty of Sciences and Techniques, Beni Mellal city, Kingdom of Morocco, 27-30th October 2021.

Scientific Supervision:

Mr. Basm Bakr, M. Sc., Research assistant at Pomology Dept., National Research Centre (NRC), Giza, Egypt.

Ph. D Thesis titled

"Impact of Spraying Washington Navel Orange Trees with Cobalt, Selenium and Silicon on Vegetative Growth, Productivity and Fruit Quality".

Horticulture Dept., Ain Shams University, Cairo, Egypt. Sep.,2016 till 25.05.2019.

Publication:

- (1) **Abd El-Razek, E.**, D. Treutter, M. M. S. Saleh, M. El-Shammaa, N. Abdel-Hamid and M. Abou-Rawash (2008). Effect of nitrogen and potassium fertilization on productivity and fruit quality of 'Crimson Seedless' grapes. First Symposium in Horticulture in Europe 17-20 February, University of Vienna - Biozentrum, Austria.
- (2) **Abd El-Razek, E.**, D. Treutter, M. M. S. Saleh, M. El-Shammaa, Amira A. Fouad, N. Abdel-Hamid and M. Abou-Rawash (2010) Effect of Defoliation and Fruit Thinning on Fruit Quality of 'Crimson Seedless' grapes. Research Journal of Agriculture and Biological Sciences, 6(3): 289-295.
- (3) M.S. El-Shamma; M. Abou-Rawash; D. Treutter; N. Abdel-Hamid; M.M.S. Saleh; A.A. Foad and **E. Abd El-Razek** (2010) Changes in phenolic compounds content of Crimson grape fruits with fertilization rates, defoliation and fruit thinning practices. Bull. NRC, 35 (1): 1-14.
- (4) **Abd El-Razek, E.**, D. Treutter, M. M. S. Saleh, M. El-Shammaa, Amira A. Fouad, and N. Abdel-Hamid (2011) Effect of nitrogen and potassium fertilization on productivity and fruit quality of 'Crimson Seedless' grapes. Agriculture and Biology Journal of North America, 2(2): 330-340.
- (5) **E. Abd El-Razek**; M.M.M. Abd El-Migeed and N. Abdel-Hamid (2011) Effect of Spraying Garlic Extract and Olive Oil on Flowering Behavior, Yield and Fruit Quality of 'Canino' Apricot trees. American-Eurasian J. Agric. & Envi. Sci., 11 (6): 776-781.
- (6) **E. Abd El-Rzek**; H.S.A. Hassan and Karima M. Gamal El Din (2012) Effect of Foliar Application of Salicylic Acid, Benzyladenine and Gibberellic Acid on Flowering, Yield and Fruit Quality of 'Egaji Shami' Olive trees (*Olea europaea* L.). 2nd Symposium in Horticulture in Europe / 1-5 July 2012. University of Angers – Angou, France.
- (7) **E. Abd El-Razek** and M.M.S. Saleh (2012) Improve productivity and fruit quality of Florida prince peach trees using foliar and soil applications of amino acids. Middle-East Journal of Scientific Research, 12 (8): 1165-1172.
- (8) **E. Abd El-Razek**; A.S.E. Abd-Allah and M.M.S. Saleh (2012) Yield and fruit quality of Florida Prince peach trees as affected by foliar and soil applications of humic acid. Journal of Applied Sciences Research, 8(12): 5724-5729.
- (9) A.S.E. Abd-Allah, **E. Abd El-Razek** and M.M.S. Saleh (2013) Effect of sun-block materials on preventing sunburn injury of Keitt mango fruits. Journal of Applied Sciences Research, 9(1): 567-571.
- (10) A.S.E. Abd-Allah, **E. Abd El-Razek** and M.M.S. Saleh (2013) Effect of spraying lemongrass extract at full bloom on yield and fruit quality of 'Flame seedless' grape. Journal of Applied Sciences Research, 9 (2): 1244-1248.
- (11) **E. Abd El-Razek**; A.S.E. Abd-Allah and M.M.S. Saleh (2013) Foliar Spray of Some Nutrient Elements and Antioxidants for Improving Yield and Fruit Quality of Hindi Mango Trees. Middle-East Journal of Scientific Research, 14 (10): 1257-1262.

- (12) **E. Abd El-Razek**, H.S.A. Hassan and K. Gamal El-Din (2013) Effect of Foliar Application with Salicylic Acid, Benzyladenine and Gibberelic Acid on Flowering, Yield and Fruit Quality of Olive Trees (*Olea europaea* L.). Middle East Journal of Scientific Research, 14 (11): 1401-1406.
- (13) **E. Abd El-Razek**, M.M.M. Abd El-Migeed and N. Abdel-Hamid (2013) Response 'Le Conte' Pear Trees to Garlic Extract and GA₃ as Budbreak Dormancy Agents. Middle East Journal of Scientific Research, 14 (11): 1407-1413.
- (14) **E. Abd El-Razek** and M.M.S. Saleh (2013) Response of Peach Trees to Foliar Application of Amino Acids and Soil Application of Humic Acid under calcareous Soil. "3rd International Symposium on Pomegranate and Minor Mediterranean Climate Fruits". 20-24th September 2013, Shandong Institute of Pomology, Taian, Shandong Province, China.
- (15) **E. Abd El-Razek** and N. Abdel-Hamed (2014) Effect of Micronutrients, GA₃ and Ascorbic Acid on Growth, Yield and Fruit Quality of Flame Seedless Grapevines. The 11th International Conference on Grapevine Breeding and Genetics. 28th July-2nd August 2014, Yanqing, Beijing, China. International Journal of ChemTech Research.
- (16) Aml, R.M. Yousef, **E. Abd El-Razek**, Hala S. Emam and Dorria, M.M. Ahmed (2014) Prestorage Application of Putrescine to Improve Fruit Quality, Color Parameters and Extending Shelf life of 'Hollywood' Plum (*Prunus salicina* L.). Middle East j. Agric., Res., 3(4): 1135-1144.
- (17) **E. Abd El-Razek**, Aml R.M. Yousef and N. Abdel-Hamed (2015) Effect of chelated Fe, Zn and Mn soil application with spraying GA₃ and ascorbic acid on growth, yield and fruit quality of Flame Seedless grapevines under calcareous soil conditions. Int.J. ChemTech Res., 8(6): 441-451.
- (18) **E. Abd El-Razek**, O. A. Amin, Amany M. El-Nahrawy and N. Abdel-Hamid (2017) Effect of foliar application of biosimulated nanomaterials (calcium/yeast nanocomposite) on yield and fruit quality of 'Ewais' mango trees. Annual Res. & Review in Biology, 18(3): 1-11
- (19) **E. Abd El-Razek**, Laila, F. Haggag, M.M.M. Abd-El-Migeed and Eman S. El-Hady (2018) Combined Effects of Soil Applications of Humic Acid and Foliar Spray of Amino Acids on Yield and Fruit Quality of 'Florida Prince' Peach Trees under Calcareous Soil Conditions. Bioscience Research, 15(4):3270-3282.
- (20) **E. Abd El-Razek**; Laila, F. Haggag, E.A.E. Genaidy and Eman S. El-Hady (2018) Influence of soil application of bio-regulators with Greenpower, pigeon manure tea and humic acid on yield and fruit quality of 'Aassy' olive trees (*Olea europaea* L.). Bioscience Research, 15(4):3459-3471.
- (21) **E. Abd El-Razek**, Elham Z. Abd El-Motty, Salwa A. Orabi and Aboelfetah M. Abdalla (2019) Improving Fruit Quality of Mango Fruits cv. Zebda by Coating with Moringa and Green Tea Leaves Extracts under cold Storage. Middle East Journal of Agriculture Research, 8 (4): 1325-1343.
- (22) **E. Abd El-Razek**, Laila F. Haggag, Eman S. El-Hady and M. F. M. Shahin, (2020) Effect of Soil Application of Humic Acid and Bio-humic on Yield and Fruit Quality of "Kalamata" Olive Trees. Bulletin of the National Research Centre, 44: 73, 1-8.
- (23) **E. Abd El-Razek**, M.M.M. Abd El-Migeed, N. Abdel-Hamid (2021) Supplementary Applications of Phosphorus Improve Yield and Fruit Quality of 'Le Conte' Pear Trees under Calcareous Soil Conditions. Middle East Journal of Agriculture Research, (accepted).

(24) M.M.M. Abd El-Migeed, E. Abd El-Razek, Hassan A. M. Ali, N. Abdel-Hamid (2021) Effect of foliar spray of ammonium nitrate and irrigation time on vegetative growth, fruit Set, yield and fruit quality of "Ewais" mango trees. Bulletin of the National Research Centre (accepted).

(25) Hassan A. M. Ali, E. Abd El-Razek, M.M.M. Abd El-Migeed, Fatma El-Zahraa M. Gouda (2021) Co-addition of potassium humate and vinasse enhances growth and yield in "Wonderful" pomegranate under sandy soil. African J. Agricultural Res. (accepted).

(26) **Abd El-Razek E. and Treutter D.**, (2021). Importance of flavonoids compounds in fruit trees resistance and fruit quality. A review. the 1st International Conference: Sustainable Agriculture: Tools and Innovation. "AgriNov 2021"(accepted).

Certificates of Excellence in Reviewing of the following Journals:

- (1) PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY –
International knowledge Press (IKP) - 2 certificates No. 7067 & No. 7067.
- (2) SOUTH ASIAN RESEARCH JOURNAL OF NATURAL PRODUCTS –
SCIENCEDOMAIN International (SDI).
- (3) JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE -
WILEY
- (4) JOURNAL OF PHARMACEUTICAL RESEARCH INTERNATIONAL -
SCIENCEDOMAIN International (SDI).
- (5) JOURNAL OF EXPERIMENTAL AGRICULTURE INTERNATIONAL -
SCIENCEDOMAIN International (SDI).
- (6) ASIAN PLANT RESEARCH JOURNAL –
SCIENCEDOMAIN International (SDI).
- (7) CURUNT JOURNAL OF APPLIED SCIENCE AND TECHNOLOGY -
SCIENCEDOMAIN International (SDI).
- (8) INTERNATIONAL JOURNAL OF PLANT & SOIL SCIENCE-
SCIENCEDOMAIN International (SDI).
- (9) ANNUAL RESEARCH AND REVIEW OF BIOLOGY.
- (10) ASIAN RESEARCH JOURNAL OF AGRICULTURE -
SCIENCEDOMAIN International (SDI).

Languages Certification:

A) Arabic : Native Language

B) English : ‘English for Scientific Purposes’,

Studenten Service Zentrum, International Office,
Sprachenzentrum der Technischen Universität München (TUM), Munich, Germany.

C) German: the following certifications:

(1) Zentrale Mittelstufenprüfung Zeugnis (ZMP)

Nr. 01330-ZMP-05-38 Goethe Institute, Cairo .

(2) ‘Individualkurs für biologische Fachsprache’

Goethe – Institute, Munich, Germany.

(3) ‘DaF für Mittelstufe 2’.

Studenten Service Zentrum, International Office,
Sprachenzentrum der Technischen Universität München (TUM),
Munich, Germany.

D) French: niveau élémentaire (Elementary level)

<https://apprendre.tv5monde.com/ar> (Auto-apprentissage / Self learning).

E) Chinese: A beginners training course in the language and also it included the familiarization of Chinese customs, culture, and law.

15th Nov.- 5th Dec., 2015 (2 days of weekend), Yangzhou University,
Jiangsu province, China.

Computer Skills:

ICDL (International Computer Driving Licence)

- 1- Basic Concepts of Information Technology.
- 2- Using the Computer and Managing Files.
- 3- Word Processing.
- 4- Spread sheets.
- 5- Database
- 6- Presentation.
- 7- Information and Communication.

Issued by the UNESCO Cairo Office.

Other Computer skills:**(1) Statistical Program: SAS Skills:**

Certification from Computer and Agricultural Informatics Unit (Now: IT Units),
Faculty of Agriculture, Ain Shams University, Cairo, Egypt.

(2) Statistical Program: Costat. Skills:

Training Centre of National Research Centre (NRC), Giza, Egypt.

Other activities:

- (1) Since 2005: Member of Technical University of Munich Student & Alumni.
- (2) Since 2007: Member of German Society for Horticultural Science.
“Deutsche Gartenbauwissenschaftliche Gesellschaft e.V.
'Fruit Science section (Obstbau Sektion).
- (3) Since 2008: Member of German Academic Exchange Serves
Deutscher Akademischer Austauschdienst (DAAD).
- (4) Since 2009: Member of Alumniportal Deutschland.
- (5) Since 2013: Member of International society of Horticultural Science (ISHS).
- (6) Since 2019: Alumnus of WCDI, Wageningen Centre for Development Innovation,
Wageningen University & Research, Wageningen, The Netherlands