



Eman Ahmed El-Sayed Swedan



1- Personal Information:

Name: Eman Ahmed El-Sayed Swedan

Date of Birth: 6/1/1973

Place of Birth: Alexandria Governorate

Religion: Muslim

Nationality: Egyptian

Home Address: Gharbia Governorate

Position: Professor of Floriculture, Ornamental Plants, and Landscape Gardening, Department of Horticulture, Faculty of Agriculture, Damanhour University.

2.Specialization:

General: Horticulture

Specific: Floriculture, Ornamental Plants, and Landscape Gardening in the specialization of Physiology of Flowers, Ornamental Plants, and Medicinal and Aromatic Plants.

Work Address: Faculty of Agriculture – Damanhour University – Damanhour – El-Beheira.

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3.Academic Qualifications:

- Bachelor's Degree in Agricultural Sciences (Floriculture, Ornamental Plants, and Landscape Gardening), Faculty of Agriculture at El-Shatby, Alexandria University, with an overall grade of Very Good, June 1994 session.



- Master's Degree in Agricultural Sciences, specialization in Floriculture, Ornamental Plants, and Landscape Gardening, Faculty of Agriculture at El-Shatby, Alexandria University, dated 27/7/1999.

Thesis Title:

Effect of some growth media on the vegetative growth and flowering of Chrysanthemum morifolium Ram.

- Ph.D. Degree in Agricultural Sciences, specialization in Floriculture, Ornamental Plants, and Landscape Gardening, Faculty of Agriculture, Alexandria University, dated 28/6/2006.

Dissertation Title:

Effect of Nitrogen and Potassium Fertilizers on Growth of Gladiolus Plants.

4.Career Progression:

-Teaching Assistant at the Department of Horticulture (Floriculture, Ornamental Plants, and Landscape Gardening), Faculty of Agriculture, Alexandria University – Damanhour Branch, from 19/1/1997 until 6/9/1999.

-Assistant Lecturer at the Department of Horticulture (Floriculture, Ornamental Plants, and Landscape Gardening), Faculty of Agriculture, Alexandria University – Damanhour Branch, from 7/9/1999 until 25/7/2006.

- Lecturer at the Department of Horticulture, Faculty of Agriculture, Alexandria University – Damanhour Branch, from 26/7/2006 until 25/10/2010.

- Lecturer at the Department of Horticulture, Faculty of Agriculture, Damanhour University, from 26/10/2010 until 28/12/2018.



- Associate Professor at the Department of Horticulture, Faculty of Agriculture, Damanhour University, specialization in Floriculture, Ornamental Plants, and Landscape Gardening, from 29/12/2018 until June 2025.

- Professor at the Department of Horticulture, Faculty of Agriculture, Damanhour University, specialization in Floriculture, Ornamental Plants, Landscape Gardening, and Medicinal and Aromatic Plants, from 30/7/2025 until now.

Courses that were taught and participated in at the Bachelor's Degree Level:

1. Fundamentals of Horticulture.
2. Fundamentals of Horticultural Production.
3. Ornamental Plants and Interior Decoration.
4. Woody Trees Technology.
5. Physiology of Horticultural Crops.
6. Supervision of Graduation Projects.
7. Landscape Design and Gardening.

Courses taught to Integrated Education students at the Faculty:

1. Medicinal and Aromatic Plants.
2. Production of Flowers and Ornamental Plants.

Courses taught at the Postgraduate Level:

1. Physiology of Flowers and Ornamental Plants.
2. Landscape Design and Gardening.
3. Medicinal and Aromatic Plants.
4. Ornamental Shrubs, Climbers, Ground Covers, Green Lawns, and Shade Plants.
5. Advanced Landscape Design and Gardening.
6. Advanced Urban Planning and Landscaping.
7. Advanced Medicinal and Aromatic Plants.
8. Fundamentals of Floriculture, Ornamental Plants, and Landscape Gardening.



- 9. Annual Flowers and Herbaceous Perennials.
- 10. Urban Landscaping.
- 11. Special Studies.
- 12. Advanced Special Studie

Training Courses at the Faculty Staff Development Center:

- 1. Crisis and Disaster Management — 7–8 August 2023.
- 2. Strategic Planning — 23–24 August 2023.
- 3. Anti-Corruption — 28–29 August 2023.
- 4. Requirements for Applying for Accreditation — 19–20 February 2024.
- 5. Ethics and Professional Conduct in University Work — 26–27 February 2024.
- 6. Research Reference Management Systems — 28–29 August 2024.

Participated in the following conferences, courses, and workshops:

Conferences:

- 1. “Go Green Conference online version.” September 5–9, 2022.
- 2. “Climate Change and its Environmental Impact.” September 4–7, 2023.
- 3. The 7th International Conference of Pharmaceutical and Drug Industries Research Institute. March 13 and 14, 2023.
- 4. The Fifth International Conference of the Arab Academy for Training and Consultation
(The Future of Education in the Arab World: Prospects for Development and Renewal to Achieve Global Competitiveness) 4–5 December 2024, Civil Education Center at El-Gezira.

Workshops:

- 1. Future Prospects of Ornamental Plants at the Horticultural Research Institute, dated 28/11/2021.



2. Food Quality and Safety. October 10 and 11, 2023.
3. Hydroponics." August 15, 2023.
4. "Hibiscus Cultivation in Egypt." September 23, 2023.
5. "Cultivation to Export: All About Palms." October 24 and 25, 2023.
6. "Climate Changes and their Economic Impact on Strategic Crops." November 7 and 9, 2023.
7. "New Trends in More and Better Food Products." March 15, 2023.
8. The Required Agricultural Development and its Role in Crisis Management, dated 30 June 2023.
9. International Publishing, held at the Quality Assurance Unit, Faculty of Agriculture, Damanhour University.
10. Site Design in Practical Reality at the Agricultural Research Center, Giza, dated 20/11/2023.

Seminars and Courses:

1. Scientific Seminar entitled "Ornamental Bulbs and Cut Flowers", dated 14/10/2021.
2. Scientific Seminar entitled "Ornamental Plants and Environmental Changes", dated 21/10/2021.
3. Scientific Seminar entitled "Practical Applications of the Hydroponic System and Its Relationship to Ornamental Plants".
4. Scientific Seminar entitled "An Objective Theory on Medicinal and Aromatic Plants".
5. Scientific Seminar entitled "The Art of Landscape Gardening".
6. Scientific Seminar entitled "Maximizing the Benefit from Trees".
7. Scientific Seminar entitled "Pests of Ornamental Plants and Methods of Control".
8. Scientific Seminar entitled "Modern Technologies in the Field of Ornamental Plants".
9. Blended E-Learning Skills Course.



10.The International Forum for Cultural Diplomacy held in Cairo on 16–17 July 2024.

11.Scientific Seminar by the Egyptian scientist Dr. Farouk El-Baz entitled: “A Journey Around the Future... Creativity and Innovation for Achieving Sustainable Development and Environmental Protection”.

12.Scientific Seminar entitled “Green Hydrogen: The Missing Link for Energy Transition, Opportunities, Challenges, and Future Pathways”, dated 31 August 2024.

Activities:

- Consultant for Ornamental Plants and Landscape Gardening at one of the largest engineering consultancy companies in the Arab Republic of Egypt.
- Member of the Scientific Society of Flowers and Ornamental Plants, registered under No. 5144 for the year 2013 – Giza.
- Founding member of the Arab Union for Climate Change and Carbon Footprint.
- Member of the Arab Union for Sustainable Development and Environment.
- Member of the Council of Egyptian Scientists.
- Member of the International Organization for Knowledge Exchange.
- Member of Ain El-Bi’a Association registered in the European Union database.
- Member of the Arab Council for Entrepreneurship and Innovation.
- Member of the Department Council of Horticulture, Faculty of Agriculture, Damanhour University.
- Member of the Cultural Relations Committee, Faculty of Agriculture, Damanhour University.
- Member of the Faculty Council for the academic year 2024/2025.



Participated in the following published research papers, including those submitted for promotion:

- 1. Aly FL Naggar and Eman A.Swedan (2009). Effect of light intensity and amino acid tryptophan on the growth and flowering of Amaryllis (Hippeastrum vittatum , Herb) .J.Agric & Env sci. Alex. Univ. Egypt 8(1) 22-42.**
- 2. Sohier G. El-sayed, Magada M. Hassanien and Eman a. Swedan (2008) Effect of irrigation regimes on Chrysanthemum flowering under nitrogen fertilization levels. j. Agri. & Env. Sci. Alex., Univ., Egypt Vol. 7(3).**
- 3. Amira Osman, Eman Swedan and Hany El-Naggar (2011). Salidago Canadensis "Tara" in response to spacing and cycocel. American Eurasian J. Agric & Environ. Sci. 11 (1) 104-110.**
- 4. Hany El-Naggar, Amira Osman and Eman Swedan (2012). Vitro propagation and organogenesis of Lilium "pralo" African journal of Biotechnology Vol. 11 (82) pp 14771-14776**
- 5. Eman Swedan, Hany EL-Naggar and Amira Osman (2012). Effect Nitrogen and Diphenylamine on Gladiolus hybrida Cv."Sancerre production". "Journal of Horticultural Science & Ornamental plants 4(3) 267-274.**
- 6. Abdel. Maksoud, B. A., Yahia A. Aly, Eman A. Swedan and Ramy G-A. (2012). Effect of uniconazole concentration and its application method on growth, Flowering and Carbohydrate Content of Mirabilis jalapa, L plants. J. Agric & Env. Sci .Damanhor university .**



7. Abdel-Maksoud, B. A., Karim M.Farag and Eman A. Swedan and Amira k.G (2012), Growth and induced variability in Mesembryanthemum edula grown from gamma-rays treated Terminal cuttings. . J. Agric & Env. Sci Damanhour Univ.
8. Eman A. Swedan (2013) PAL Gene Activity and Total Phenolic Compounds of in some Members of Lamiaceae .J.of Applied Sciences research 13(1)-6.
9. Amira R. Osman and Eman A. Swedan(2014) Effect of Planting density and Gibbere acid on Quantitative and Qualitative characteristics of Solidago Canadensis "Tara " in Egypt. Asian Jaur. of Crop Science, 6 (2): 89-100.
10. .Bassiouny Abdel Maksoud, M.G. EL-Torky, Eman A. Swedan, Amira R.Osman and Ramy G. EL-Kinany (2014) . Effect of proline and Humic Acid on vegetative and Rooting. Growth and flowering characteristics of Daisy (Bellis Perenisl) under salinity stress. J. Agric. & Env. Sci., Damanhour Univ. Egypt.
11. Eman A. Swedan (2014), physiological effect of biofertilizer and mineral fertilizers on the growth of Gladiolus hybrids,L . J. Agric. & Env. Sci Damanhour Univ, Egypt, 13(2): 1-16.
12. Eman A.Swedan and Amira R. Osman (2014) Influence of diphenylamine and Ascorbic acid on the production of Dendranthema grandiflorum, Ram., Life Science Journal, 1(9):84-86



- 13.** M.G. EL-Torky, Hany M. EL- Naggar, Eman A. Swedan and Yosra Hasny (2015). Diterpenes potentials and Total phenolic in leaves and callus culture of plctranthus Amboinicus and Lavandula Angustifolia influenced by the Culture medium. J. Agric & Env. Sci. Dam. Univ. Egypt.
- 14.** Salman, A.M., Hussein, M.S., Amira R. Osman, Omar, E. A., and Eman A. Swedan (2015) Influence of fertilization with Algae and yeast on growth and yield Ocimum Basilicum Var Genovese under two sowing Dates. J. Agric & Env. Sci., Dam. Univ., Egypt Vol -14 (1):1-34.
- 15.** Omar E.A., Hussein M.S., Amira Osman, Eman A. Swedan , EL-Gohary A.L., and salman A.M. (2016) Response of Basil Essential oil to Cultivation date and organic fertilization. International Journal of Pharmtech Research, Vol 9(5):86-98.
- 16.** M.A., Hassanain, Amica R. Osman, Eman A. Swedan and Shimaakotb (2016). Effect of nitrogen fertilizer, Humic acid foliar spraying and their interactions on stevia (stevia rebaudiana L.) under reclaimed soil conditions in Egypt. J. Agric & Env. Sci., Damanhour Univ., Egypt.
- 17.** M. A. Hassanian, Amira R. Osman, Eman A. Swedan and Kholoud shible (2017) Effect of Natural substances of Caranation plants (Dianthus Caryophyllus L.) growing under saline irrigation. Journal of Horticultural Science & ornamental plants.



- 18.** Samy S. Yacoub, EL-Settawy, A. A., Eman A. Swedan and Amira R. Osman (2017) Effect of the Inoculation with Vesicular Arbuscular Mycorrhizal fungi and fertilization with Rock phosphate on the growth and Mineral content of Acacia saligna (Labill)., J. Agric & Env. Sci., Dam. Uni., Egypt 16(3):1-33.
- 19.** M.A Hassanian Amira R.Osman, Eman A.Swedan and Marwa Shams El-Dein (2018) Influence of Nitrogen and Yeast on production of Marigold plants (Tagetes erecta). World Rural observation , 10(1): 37-46.
- 20.** Eman A. Swedan, Amira R. Osman and Maneca Moubark (2018) Effect of methyl Jasmonate and salicylic acid on production of Gladiolus grandiflora L., Nature and Science, 16 (6): 40-47
- 21.** Inas H.Hafez, Amira . R.Osman, Eman A. Swedan and Mohamed R. Berber(2018) Tailoring of a potential Nano formulated form of Gibberellic Acid : Synthesis, Characterization, and Field Applications on vegetation and flowering .. Journal of Agricultural and food Chemistry., 66(31): 8237-8245.
- 22.** Ahmed M. Salman, Elsayed A. Omar, Mohamed S. Hessen, Eman A. Swedan and Amira R. Osman (2019). Influence of foliar fertilization on the growth and Yield of chia (Salvia & hispanica). Egyptian pharmaceutical J. vol 18 (No. 3).



23. Osman, A., EL-kadafy, A.L., Swedan, E., Moubarak, M. and Abdel Rahman, M., (2020). The Effect of Polyethylene Glycol (PEG) on Calluses of sweet basil (Ocimum basilicum, L.) Scientific Journal of Flowers and Ornamental plants, 7(4), pp. 447-459.
24. Rehab A. ELdakak, Reem H. Badr, Marwa H. Zeineldein, Eman A. Swedan, Amany F.Hassaballh and Ibrahim A.Hassan (2023). Effect of chilling and salinity stress on photosynthetic Performance and ultrastructure of chloroplast in faba beans (Vicia fabal) Leaves. Rendicont Lincei, Scienze Fisiche naturali. 34:447-456.
25. Samy Yacoub, Ahmed El-Settawy, Eman Swedan, Maneea Moubarak, Amira Osman (2023) Enhancing Growth of Leucaena leucocephala Seedlings by stimulation Symbiotic relationship between vesicular arbuscular mycorrhizal (VAM) and nitrogen fixing bacteria under Phosphate rock fertilization. Journal of Agricultural and Environmental science. Damanhour University, 22(1):193-227.
26. Eman A. Swedan, Walaa Abdelmegied, Ibrahim A. Hassan, Ramy G. EL kinany (2023) Evaluation of the effect of chemical fertilization and some natural extracts on the production of freesia (Freesia refracta L.) plants: asustainable approach. Rendicont, Lincei, Scienze Fisichee Naturali .
27. Eman A.Swedan,MohmedA.A.Ahmed,Raimundo Jimenez-Ballesta&Ramy G.El-Kinany(2023)Biological substances as stimulants-inducing growth,flowering,and chemical constituents in Dahlia plants.Cogent Food&Agriculture,9:2,2282237.



- 28.** Eman.Swedan and S.M.Youssef(2023)SUPPLEMENTING ORGANO-BIO-STIMULANTS INTO GROWING MEDIA IMPROVES GROWTH,FLOWER PRODUCTIVITY AND QUALITY OF LILY BULBS.Scientific Journal of flowers and ornamental plants,10(4):245- 260.
- 29.** Eman A.swedan,Hany M. El-Naggar,Samah M.Youssef,Ei-Sayed A.El-Boraie,Alia Amer,Amira R.Osman,Min Tian and Mohamed A.A.Ahmed(2024)Intergrative soil application of N and foliar spirulina platensis improves morpho-physiological responses and tuberosse yield oil in sandy soil .Cogent Food& Agriculture,vol.10,No.1,2325102.
- 30.** Ahmed Mohamed Salman,Elsayed A. Omar,Mohmed S.Hussein,Eman Swedan(2024) Response of the seed yield of chia plant to NPK foliar fertilization and biofertilizer mixture.Journal of Agricultural and Environmental Sciences,vol.23,issue 1.
- 31.** M.S.Aboryia ,Mohamed Salah M.Ali,Ahmed F.Elshiekh,Basmah M.Alharbi,Ibrahim Eid Elesawi,Ahmed M.Fikry,Ahmed A.Helaly.Fatma R.Ibrahim.Eman A.Swedan,Hany G.Abd El-Gawad,Samy F.Mahmoud,El-Sated A.El-Boraie(2024)Morphological and Physiochemical changes of jojoba under water pollution stress condition.Folia Horticulture.36(2):1-23.
- 32.** Eman A.Swedan,Kholoud Shible,Yassin M.Yassin,Aleksandra Glowacka&MohamedA.A.Ahmed(2024)Synergistic effect of nano – Potassium and chitosan as stimulants inducing growth and yield of bird of paradise(*Sterlitizia reginae* L.)in newly lands.Communicative&Integrative Biology.17(1)



33. Ramy G. El-Kinany, Mohamed A. A. Ahmed, Qinli Shan, Dan Sun, Ahmed M. Alzoheiry & Eman A. Swedan (2025) Effect of Nano silicon particles spraying on carnation (*Dianthus caryophyllus* L.) plants grown in soilless culture and irrigated with saline water. , Plant Production Science, DOI: 10.1080/1343943X.2025.2451345.

