

## Curriculum Vita



**A. Full Name** : Sawsan Sami Sayed  
**Birth Date** : 24/6/1968  
**Job Title** : Professor Doctor  
**Professional Interest:** Tissue culture of Ornamental Plants  
**Organization** : Horticulture Research Institute  
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### B. Scientific degrees

1. **B. Sc: Horticulture, Faculty of Agriculture, Cairo University 1991.**
2. **M. Sc: Ornamental Department, Faculty of Agriculture, Cairo University 1998 (Physiological studies on propagation of *Populus alba* through tissue culture technique).**
3. **Ph. D. Ornamental Department, Faculty of Agriculture, Cairo University 2002 (Physiological studies on the micropropagation of *Solidago altissima* by *in vitro* culture).**
4. **Senior researcher: In Tissue culture of Ornamental Plants, 2007.**
5. **Prof. Doctor in Tissue culture of Ornamental Plants.**
6. **Director of tissue culture lab in Horticulture Institute Research Agriculture Research Center.**

### C. Activities during the research years:

#### 1. Workshops in:

- \* Using biotechnology on horticulture plants 25/10-5/11/2003.
- \* Using biotechnology on horticulture plants 30/10-10/11-2004.
- \* Propagation of ornamental plants 19-29/6/2005
- \* Using biotechnology on horticulture plants 2006.
- \* Using biotechnology on horticulture plants 2007.
- \* Tissue culture to its important and problems 2008.
- \* Using Tissue culture technique on propagation of ornamental plants 2008.

- \* Using Tissue culture technique on trees, ornamental plants, fruits vegetative crops. 21-25/9/2008.

## **2. Conferences:**

- \* The Conference (up normal methods to improving horticulture plants) 1-3/12/2003.
- \* The 1<sup>st</sup> conference Egypt Suria (Food and Agriculture) 8-11/12/2003.
- \* The 3<sup>rd</sup> conference (Recent Technologies in Agriculture) 14-16/11/2005.
- \* The first international conference on “Strategy of Botanic Gardens” 10-12/5/2006.
- \* The Second Annual Conference “ Climatic Changes and its Effects on Health and Environment” 25-28/3/2008
- \* 1<sup>st</sup> International Joint Conference “Materials Science, Nanotechnology and Biotechnology Future Challenges”. 4-6/1/2009.
- \* 1<sup>st</sup> conjoint Workshop between Society for Women in Science in Developing Countries-Egypt (TWOWS National chapter-Egypt) and NRC “Towards a Safe and Healthy Woman’s Life” 8-9/3/2009.
- \* Arab Conference for "About a New Strategy to Active the Role of the Arab Union in Promoting Joint Arab 2015.

## **3. Short Course Training In:**

- \* Production and export of medical and aromatic plants 2004.
- \* Workshop on Agriculture biology 2004
- \* Egypt land of flowers 2008.
- \* Workshop on the use of Hortivar database on performances of horticulture cultivars 2015.
- \* Workshop on Future vision of using ornamental plants and woody trees for combating of desertification and phytoremediation of environmental pollutants 2015.

## **4. Scientific Societies:**

- \* Membership in Egypt Societies for horticultural.
- \* Membership in Society For Women in Science in developing Countries Egypt.
- \* Membership in Agricultural Chemistry and Environment Protection Society.
- \* Membership in Arab Federation for Wildlife protection

### **List of Published papers**

1. Abou Dahab, M. A.; Hanafy, M. S.; Youssef, E. M. and Sawsan, S. Sayed (1998). Effect of developmental stages of plant tissue culture on chemical composition and *in vitro* micropropagation behaviour of *Populus alba*. The Second Conference of Ornamental Horticulture, p. 24.
2. Abou Dahab, M. A. and Sawsan, S. Sayed (2003). Micropropagation of *Solidago altissima* Var. "Toto" and "Tara" through tissue culture technique. The first conference Egyptain Surain, P. 41.
3. Sawsan, S. Sayed; Hanan. M. Youssef and Youssef, E. M. A.(2005). Effect of various Gamma-irradiation and microwave treatments on *in vitro* micropropagation and biochemical constituents of *Solidago altissima* var. "Tara" explants. 3<sup>rd</sup> Conference on Resent Technologies in Agriculture Cairo University 413-422.
4. Sawsan, S. Sayed; Abou-Dahab, T. A. and Youssef, E. M. A. (2005). *In vitro* propagation of cactus (*Cereus peruvianus* L.). Arab J. Biotech., 8 (1) 169-176.
5. Sawsan, S. Sayed and Abou-Dahab, M. T. (2006). Propagation of *Faucaria tuberculosa* H. by *in vitro* culture. Arab J. Biotech., 9 (2) 351-362.
6. Sawsan, S. Sayed; Hanan. M. Youssef and Youssef, E. M. A.(2007). Influence of colchicine and sodium azide treatments on micropropagability and biochemical constituents of *Solidago altissima* Gray var "Tara" explants *in vitro*. J. of Biol. Chem. and Environ. Sci. 2 (2): 257-276.
7. Sawsan, S. Sayed and Gabr, A. M. M. (2007). *In vitro* culture and RAPD analysis of *Deutzia scabra* Thunb. J. of Biol. chem. and Environ. Sci. 2 (2): 321-336.
8. Sawsan, S. Sayed and Seham, G. El-Kareim (2007). Propagation of *Cotoneaster horizontalis* Decne through *in vitro* culture. Annals of Agric. Sci. Moshtohor, 45 (2).
9. El-Shamy, M. A.; Sawsan, S. Sayed and Gomaa, S. A. A. (2009). Micropropagation and genetic stability of *Pyracantha fortuneana*, Roem. Shrub. Egypt.J.Hort. 36 (1): 149-161.
10. Seham, G. El-Karem; Sawsan, S. Sayed and Azza, M. Abe-Elmoneem (2009). Response of some foliage plants to different postharvest treatments. Egypt J. of Appl. Sci., 24 (4B) 720-741.

11. Sawsan, S. Sayed A. M. M. Gabr (2010). Slow growth conservation and molecular characterization of *Deutzia scabra* Thunb. African Journal of Plant Science 4(10), pp. 409-416, October 2010
12. Sawsan, S. Sayed; Hanan, A. A. Taie and Lobna, S. Taha (2010). Micropropagation, Antioxidant Activity, Total Phenolics And Flavonoids Content Of *Gardenia Jasminoides* Ellis As Affected By Growth Regulators. International J. of Academic Res. 2 (3) 184-191.
13. Rasmia S. S. Darwesh; Sawsan S. Sayed and M.A. El-Shamy (2011). The Efficiency of Proline on the Harmful Effects of Salinity on Seedlings Growth of *Phoenix Canariensis* L. *Egypt. J. Hort.* 38 (2) 145-154.
14. Sawsan, S. Sayed, Omnia, F. Abou El Lil and S.S. Saleh (2012). Effects Of Chemical Mutagenic Agent In Phytoconstituents On *Gardenia Jasminoids*, Ellis, Through Tissue Clture Technique. Journal of Applied Sciences Research, 8(3): 1392-1397.
15. Sawsan. S. Sayed and A. M. M. Gaber (2013). Responses of *Solidago altissima* Gray to different salinity levels during *in vitro* propagation. Middle-East J. of Scientific Res. 14 (12): 1676-1684.
16. Nadia M. Sokkar; Omya El-Gindi; Sawsan S. Sayed; Shaza A. Mohamed; Zeinab Y. Ali and Iman M. Alfishawy (2013). Antioxidant, anticancer and hepatoprotective activities of *Cotoneaster horizontalis* Decne extract as well as a-tocopherol and amygdalin production from *in vitro* culture. *Acta Physiologia plantarum*, 35:2421-2428.
17. Sawsan S. Sayd and Zeinab T. Abd El Shakour (2014). Phenolic Content and Related Antioxidant Activities in *in vitro* Cultures of *Cephalotaxus Harringtonia* L. Grown in Egypt. Life Science Journal, 11(11): 990-996.