

Curriculum vitae

Mouna AL ssabbagh, Ph.D.

Name: AL ssabbagh

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Permanent Address: Damascus-Syria

Current Address: Salangor-Malaysia

Nationality: Syrian

Date of birth: December 3th,1970

Experiences:

I have been involved in plant tissue culture research for the main aim to develop techniques for in vitro propagation of many fruit crops mainly cherry, also, in addition to contribute with other fruit crops such as apple, pear, grapevine, plum, pomegranate, fig and many other plants for the aims of producing virus-free and healthy stocks and also for breeding purposes using genetic transformation techniques for development of fungal and virus resistant rootstocks and varieties.

I was also interested in developing techniques of in vitro micrografting of cherry rootstocks with desired varieties to study the incompatibility/ compatibility between rootstock and the desired scion cultivars, then producing virus-free healthy seedling plants .

More than 50 varieties and rootstocks have been micropropagated in our department in which I actively contributed and supervised new staff training and university students. In vitro gene bank has also been established for conservation of plant species of interest.

Position:

-2023-up to now: I am a science teacher in DAMAI Lybian School **at Malaysia**

-2011-2022: I was a science teacher in Alnukhba School **at kingdom of Saudi Arabia**

-2007-2011 I was ahead assistant and researcher in Plant tissue culture Laboratory at my research institute –GCSAR .

-2000-2007: I was assigned as a researcher and I have been involved in following my Ph.D. studies and again doing my research work at plant biotechnology department of my institute in cooperation with Damascus University . My Ph.D Thesis Title was: In vitro propagation of the most three important cherry rootstock in Syria where I got a mark average of 85%.

-1996-2000: I have been following my M.Sc. studies in Horticulture science at Aleppo University and did my research work at mu institute GCSAR, and published my research results. My Thesis Title was: In vitro propagation of Stone Fruit Rootstock in Syria. Where I got excellent grade evaluation by the committee with average of 95%.

-1994-1996: I have been working as assistant researcher in plant tissue culture laboratory to develop techniques for in vitro propagation of many fruit crops mainly cherry, apple, pear, grapevine, fig, olive and other ornamental plants for producing virus-free and healthy stocks in addition to the aims mentioned in the previous answer of question 1.

-1993-1994, I followed my post-study diploma in Horticultural science and was awarded the degree from Damascus University while, I was affiliated and working at GCSAR.

-I attended a few training courses in the field of plant biotechnology including tissue culture.

Education:

- **Ph.D. degree**, (Horticulture science), Fac. of Agric., Aleppo University, Syria. **2002 – 2007**

Thesis Title: In vitro propagation of the most three important cherry rootstock in Syria-
Average 85%

- **M.Sc. degree**, (Horticulture science), Fac. of Agric., Aleppo University, Syria. **1996 – 2000.**

Thesis Title: In vitro propagation of Stone Fruit Rootstock in Syria **Average 95%**

- **Post-Diploma** Studied in Horticulture science, Fac. of Agric., Damascus University, Syria. **1993 – 1994-Average 77.1**

- **B.Sc. degree**, Agric. (Horticulture science), Fac. of Agric., Damascus University, Syria. **1989 –1993**

Average **77.13**

Skills:

Researcher General Commission of Agriculture Research-Syria.

Plant biotechnology Skills:

- ❖ Strong skills in plant micro propagation *in vitro*, by using plant tissue culture technique.
- ❖ Strong skills in micro grafting.)
- ❖ Strong communication/presentation skills.

Inter personal skills:

- ❖ Coached and collaborated with other scientists, outlining objectives, methodology, and concluding, actively listening to people and stimulating interest and discussion.

Adaptability:

- ❖ Adapted to living abroad, increased my command of English, learned perseverance and self-motivation.
- ❖ Used to seek and critically assess large amounts of information, to define the cause of problems, determine available options and to use my own experience and that of others to move things forward.

Teaching:

- ❖ Diligent, Possesses good Scientific background, Cares a lot for teaching, an advisor for students, enjoys distinctive personality, very cooperative and keep good distinguished social and studying
- ❖ Researcher, General Commission for Scientific Agricultural Research, Syria
- ❖ Good and credible personality, excellent scientific background in plant biotechnology (plant micropropagation *in vitro* and molecular stress physiology), reliable and very active researcher, spend long times to work in the lab, hardworking researcher with high ability of doing good

researches, fit easily in the group due to a very cooperative manner, maintain a very good relationship with colleagues and other researchers in the institute.

Other Skills:

- ❖ Languages: Arabic (mother tongue), English (Very good),

Listening	Reading	Speaking	Writing
Very good	Very good	Very good	Very good

- ❖ Efficient, organized, reliable, fast-learner, highly motivated, get the job done.
- ❖ Computer

Interests:

- ❖ I have great interest in human resources development Studies, linguistic neural programming.
- ❖ Humanitarian action, sport, history and new discoveries.
- ❖ Build new relationships and friendships.

Achievements

➤ Publications

- 1. Abdul Kader, A. M.; Souror, J. and Al-Sabbagh, M. (1995).** In vitro propagation of two cultivars of grape (*Vitis vinifera L.*). Proceedings of the 35 th Science Week. Supreme Council of Sciences. Syria- Latakia. Tishreen University.
- 2. Hamadia, M.A.; Abdul Kader, A. M.; Souror, J. and Al-Sabbagh, M. (1995).** Micropropagation of Trifoliata orange (*Poncirus trifoliata L.*) through nucellar embryos. Proceedings of the 35 th Science Week. Supreme Council of Sciences. Syria- Latakia. Tishreen University.
- 3. Al-Sabbagh, M., Abdul Kader, A. M. ; Al-Amar, A. and Souror, J. (1995).** Rapid *in vitro* micropropagation of rose: Effect of growth regulators on proliferation and rooting *in vitro*. Annual Report of DASR for 1995.
- 4. Al-Sabaggh, M., Amar, A. and Abdul-Kader, A.M. (1996).** Plant tissue culture and micropropagation. A review. Journal of Arab Agriculture Engineer No. 43: 3-7
- 5. Abdul Kader, A.M., Souror, J. and Al-sabagh, M. (1997).** Role of Plant Tissue Culture in producing virus-free plants. A review. Journal of Arab Agriculture Engineer No. 44: 12-17.
- 6. Al-Sabbagh, M., Abdul-Kader, A.M., Khoder, M., and Kalhout, A.-R. (1999).** *In vitro* propagation of maxma-14: a semi dwarfing cherry rootstock. Plant Cell, Tissue and Organ Culture 59: 203-208.
- 7. Al-Sabbagh, M., Abdul-Kader, A.M., Khoder, M., and Kalhout, A.-R. (2000).** Factors affecting rhizogenesis *in vitro* and acclimatization of three cherry rootstocks. International Journal of Horticultural Science, 6 (1): 40-46.
- 8. Al-Sabbagh M., Abdul-Kader A.M., Khoder, M. and Kalhout A.R. (2000).** *In vitro* propagation of some important cherry rootstocks in Syria: Part I. Factors affecting establishment and multiplication of *in vitro* cultures. Bassel Al Assad Journal for Agricultural Engineering. Ministry of Higher Education. In arabic.
- 9. Al-Sabbagh M., Abdul-Kader A.M., Khoder, M. and Kalhout A.R. (2000).** *In vitro* propagation of some important cherry rootstocks in Syria: Part II. Factors affecting root formation and acclimatization of *in vitro* cultures. Research Journal of Aleppo University. Ministry of Higher Education. . In arabic.
- 10. Al-Sabbagh, M., Abdul-Kader, A.M., Khoder, M., and Kalhout, A.-R. (2000).** Factors affecting rhizogenesis *in vitro* and acclimatization of three cherry rootstocks. International Journal of Horticultural Science. 6 (1): 40-46.
- 11. Al-Sabbagh, M., Abdul-Kader, A.M., Khoder, M., and Kalhout, A.-R. (1999).** *In vitro* propagation of maxma-14: a semi dwarfing cherry rootstock. Plant Cell, Tissue and Organ Culture 59: 203-208.
- 12. AlSabaggh, M., AbdulKader, A.M., Dayoub, A., and Kalhout, A.R. (2005).** *In vitro* Micropropagation of the wild Cherry rootstock (*Prunus avium L.*). Research Journal of Aleppo University, Agricultural Science Series, Vol. 53: 47-66.
- 13. Al-Sabbagh M., Abdul-Kader A., Kalhout A.-R., Dayoub, A., Khodor, M. and Katana, H. (2009).** Post-Cryopreservation In vitro Propagation of Stone Fruit Rootstock *Prunus mariana* cv. GF.8.1. Bassel al-Assad Journal for Engineering Sciences, Agricultural, Food, Chemical and Biotechnology. No. 25: 137-156. Ministry of Higher Education. Syria.
- 14. Abdul Kader, A. M.; et al., (2023).** Principles and Applications of Plant Tissue Culture .Noor Publishing. First Edition.

➤ **Workshops:**

Participation in conferences /workshops

- ❖ **1994-35th** Scientific week Supreme Council of Science –**FAO**- in Tishreen Uni.,Latakia,Sriya
- ❖ **1995-37th** Scientific week Supreme Council of Science –**FAO**- in Damascus Uni. ,Syria
- ❖ **2001**-The Symposium France-Syria: Plants Biotechnology and Tissue Culture and Genetically Modified Plants in the Aim to Increase the production and Improving the Quality-Damascus-Syria
- ❖ **2001**-The Symposium Egypt-Syria: Strengthening joint Projects Between Syria and Egypt in Utilizing Biotechnologies for Improving Plant Production –Cairo-. Egypt
- ❖ **2001**-The 5th research conferences: In vitro propagation of yucca by plant tissue culture technique-Syria
- ❖ **2001**- the first biotechnology conference –Ain shams university –Egypt
- ❖ **2002**-Workshop of biosafety in agricultural biotechnology –SYRIA
- ❖ **2002**-Workshop about using the plant biotechnology in Syria –**ACSAD** –**Syria**

Professional Training courses

- ❖ **1994**-Training course in Tissue Culture and Genetic Engineering ,Scientific Research Institute.**FAO. kuit**
- ❖ **1995**-Training Course in Tissue Culture and Genetic Engineering ,Agricultural Research Institute . propagation of Palm tree by plant tissue culture techniques-**FAO-Egypt**.
- ❖ **2001**-Training Course in Genetic Engineering and tissue culture , Agricultural Biotechnology Center-**Karaja-Iran**.
- ❖ **2002**-Training Course (**DAAD Scholarship**) in plant tissue techniques and Molecular marker, in biotechnology department at **Hanover university- Germany**
- ❖ **2003**-Training Course in Molecular markers-GCSAR-Syria
- ❖ **2003**-Research Study funded by **UNESCO-L OREAL** Co-Sponsored Fellowships for Young Women in Life Science-2004 UNESCO (Genetic Transformation of Cherry for *Prune Dwarf virus resistance*)

Technical Plant biotechnology:

- **Tissue culture:**
 - ❖ Development protocols for plant micropropagation in vitro.
 - ❖ Production of many plants in a plant tissue culture method (*In Vitro*).
- **Micro grafting** Produce free- virus plants-

THANK YOU IN ADVANCE