# CURRICULUM VITAE (CV)

**Full name:** Najat Mohamed Omar Eglous

**Address:** Misurata- Libya.

**Mobile:** -

**Email:** najateglu@gmail.com, najat_aglu@yahoo.com

**Qualifications:**

**PhD:** PhD in Science - plant biochemistry.

**Title of Thesis: Physiological and Biochemical Studies of Transgenic RNAi*ACO*1 (T2) Tomato Fruit During Normal Ripening and Low Temperature Storage.**

**Date And Place:** 2016/ Faculty of Science and Technology/ University Kebangsaan Malaysia (UKM).

**Master's degrees (M.Sc)**: Master of Science - Botany - Plant Ecophsiology **(2001)** Faculty of Science, Misurata University - Misurata – Libya.

**Demonstrator**: biology Department, Faculty of Science, Misurata University, Misurata, Libya from 1997 to 2002.

**Batchelor's degrees:** Bachelor of Science / Biology, Faculty of Science, Misurata University in Misurata – Libya. (1997).

**Research areas:** Plant biochemistry / physiology/ Ecophsiology /plant biology and technology/ Medicinal Plants.

**Academic jobs:**

- Member of the faculty of the Botany Department, College of Science, Misurata University, from (February 2002) to present.
- A number of scientific research were evaluated at the following scientific conferences:
  - The second/third/fourth/sixth annual conference on theories andapplications of basic and biological sciences/College of Science/University of Misrata.
  - The first scientific conference of the Faculty of Agriculture at the University of Misurata.
  - Scientific Conference at Sebha University.
- Evaluation of a number of scientific researches affiliated with the Scientific Journal at the Faculty of Science, university Sirte.
- Postgraduate Studies Coordinator in the Biology Department 2020.
- Former member of Science Journal, Faculty of Science, Misurata University (2022).
- Cooperating Lecturer: Life Sciences department - School of Basic Sciences, Libyan Academy, Misurata Branch.
- Member of the committee supervising the Annual Conference on Theories and Applications of Basic and Biosciences: Faculty of Science, Misurata University March 2022-to Present.
- Participation in describing the curriculum (Bachelor and Master/ 2023) For the Botany Department Faculty of Science, University of Misurata.

**Publications:**

**Papers Published:**

1. Assoul, M. M., and Eglous, N. M (2002): The importance of growth regulators in confronting the effect of salinity on the germination of grains of two types of wheat, *the Second Conference of the Arab Union for the Environment, supervised by the Sudanese Society for Environmental Protection - Sudan.*
2. Baayo, K. A., Eglous, N. M., Al-Wakashi, N.K, Al-Naas, A. A. (2006): Monogenric Families in Flora of Libya (Floristic Analysis) 13*th Congress of the Arab Biologists Union November 2006,* Aswan -Egypt.
3. N.M. Eglous, Z.M. Ali, M. Hassan, Z. Zainal, Changes in oxidative stress in transgenic *RNAi ACO1* tomato fruit during ripening, *AIP* Publishing, 2013, 215-221.The *9th National Biology Symposium*, Thistle Port Dickson Resort, Negeri Sembilan, Malaysia 28-30 May 2013, pp 57.
4. Najat M. E., Zainon M. A., Maizom H., Zamri Z. (2016). Changes in the physical quality parameters of the lowland transgenic tomato fruit during ripening. *Int. J. Chem Tech Res*,9(3): 517-526.
5. Najat Mohamed Eglous, Maizom Hassan, Zamri Zainal, Gazala M. Alhdad (2018). Comparative study of quality changes in Lowland Transgenic *RNAiACO1 (T2*) Tomato Fruit during Storage at Ambient and Low Temperature. *International Journal of ChemTech Research, 11(10): 75-83.*
6. Al-Saadi, H.M; Al-Haddad, G. M and Eglous, N.M (2019). Study of the effect of the growth regulator Coltar Paclobutrazol on the growth of the barley plant *Hordeum vulgare* L. Aril variety in the field during the agricultural season, second issue, Al-Bayan Scientific Journal - University of Sirte, 67 –79.

7. Draz, Tahani Mustafa and Al-Jahani, Raja Moftah and Daqiq, Fatima Abu Bakr Aklous, Najat Muhammad Al-Waqbi, Hoda Shaaban (2020): The effect of different levels of seawater on growth, anatomical changes and ionic content of *Salicornia* (marsh plant) *Salicornia* sp. Special issue of the Fourth Annual Conference on Theories and Applications of Basic and Life Sciences.
8. Najat M. Eglous, Gazala M. Alhdad, Hawa I. Al-Qant, and Salma M. Alar (2023). The Effect of Poultry Manure on Growth, and Yield of Tomatoes (*Lycopersicon esculentum* mill) Cultivated in Salt Marsh Soil. *Scientific Journal for the Faculty of Science-Sirte University* Vol. 3, No. 2 - 59-67.

**In-Progress:**

1. Study the effect of treatment with some plant extracts in reducing the impact of salt stress caused by the use of seawater in the irrigation of the tomato plant.
2. Morphological, physiological and biochemical study of *Eruca sativa* Mill L and *Anethum graveolens* L wild type growing in the Misurata city.
3. Biochemical study of some medicinal plants and their effectiveness on *Aspergillus niger.*

**Master's Thesis Supervision:**

1- Environmental Effects on some Morphological and Physiological Characteristics of *Retama Reatam* Plant.

2- Morphological, Anatomical and Biochemical Study for Different Species of the Genus *Artemisia*.

3- Effect the Alcoholic Extract of *Eucalyptus* And *Azedarach* Leaves on Inhibition Vegetative Growth of some Plant Pathogenic Fungi in Vitro.

4- Effect of Wild and Cultivated *Rosmarinus Officinalis* L (Rosemary) Extracts on *Staphylococcus Aureus* Bacteria Isolated from some Patients in Misurata City.

5- Evaluation of the effectiveness of certain antioxidants and the inhibitory effect of extracts from *Origanum majorana* and *Mentha piperita* against certain bacterial pathogens.

6- Comparative study of some Botanical characteristics of species of *carthamus* wild grown in Libya.