

CV of Dr. Tahmaseb Asemaneh

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I. Personal Information:

1. First Name: Tahmaseb
2. Surname: Asemaneh
3. Date of Birth: 1969.09.23
4. Nationality: Islamic Republic of Iran

II. Research Activity:

- 1- Stress plant physiology
- 2- Seed physiology
- 3- Plant responses to heavy metal stress

III. Education:

1989-1993, Bachelor of biology, Isfahan University, Isfahan Iran.

1997-2000, Master of Science in plant physiology, Isfahan University, Isfahan Iran.

2001-2006 Ph. D. of plant physiology, Isfahan University, Isfahan, Iran

Awards:

The degree of 4 in Iranian Master exam entrance 1997.

Degree of 1 in master graduate of Isfahan university in 2000.

The degree of 1 in Ph. D. exam entrance 2001.

IV. Teaching Experiences:

Undergraduate:

Plant physiology I

Plant physiology II

Plant physiology III

Biochemistry

Cell & molecular biology

Plant tissue culture

Graduate: M. Sc.

Plant absorption and transport

Plant metabolism

Plant ontogeny

V. Memberships:

1- Iranian biology Society

2- Iranian plant physiology Society

VII. Field of Interest in Research:

- 1- Phytoremediation
- 2- Stress plant physiology
- 3- Seed physiology
- 4- Plant resistance to Heavy metal stress

VIII: Skills & Activities

Spectrometry, electron microscopy, GC-MS, Statistical Analysis, hydroponic culture, Solvent Extraction, Atomic Absorption Spectroscopy, ICP analysis, plant tissue culture, seed dormancy breaking, seed vigor tests.

IX: Publication Highlights

Journal Publications:

- 1- Shariati, M., Asemaneh, T. and Modarress Hashemi. 2001. Effect of dormancy breaking treatments on *Achillea millefolium*, Pajouhesh & sazandegi. 15: 2-8.
- 2- Asemaneh, T., Ghaderian, S. M., Crawford, S. A., Marshall, A. T. and Baker A. J. M. 2006. Cellular and subcellular compartmentation of Ni in the Eurasian serpentine plants *Alyssum bracteatum*, *Alyssum murale* (Brassicaceae) and *Cleome heratensis* (Capparaceae). *Planta*. ;225(1):193-202.
- 3- Asemaneh. T., Ghaderian, S. M. and Baker, A. J. M. 2007. Responses to Mg/Ca balance in an Iranian serpentine endemic plant, *Cleome heratensis* (Capparaceae) and a related non-serpentine species, *C. foliolosa*. *Plant and soil*. 293:49–59
- 4- Pakdaman, N., Ghaderian, S. M., Ghasemi, R. and Asemaneh, T. 2013. Effects of calcium/magnesium quotients and nickel in the growth medium on growth and nickel accumulation in *Pistacia atlantica*. *Journal of Plant Nutrition* 36: 1708-1718

- 5- Hosseinzadeh, p., Mohtadi, A., Movahedi Dehnavi, M. and Asemaneh, T. 2015. Effect of different concentrations of zinc on physiological characteristics of *Plantago ovate* L. under salinity stress. *Journal of Plant Process and Function*. 5(15): 157-168.
- 6- Taghizadeh, M., Mohtadi, A. and Asemaneh, T. 2016. Investigating the effect of copper on growth and physiological characteristics of *Nasturium Officinalis*. *Journal of Plant Production*. 39(4):101-114.
- 7- Younesi, S. and Asemaneh, T. 2016. Iron resistance investigation of plant species of the Esteghlal-e- Abadeh fire clay mine. *Journal of Plant Process and Function*. 6(19): 47-56
- 8- Parandvar, M. and Asemaneh, T. 2019. Investigation of Copper effect on some physiological and biochemical characteristics of *Salvia sclarea* L. *Journal of Plant Process and Function*. 8(30): 1-15

Papers presented in international scientific conferences:

- 1- Asemaneh, T., Ghaderian, S. M and Baker, A. J. M . Biogeochemical aspects of the Iranian endemic serpentine plant *Cleome heratensis* (Capparaceae). 8th International Conference on the Biogeochemistry of Trace Elements (ICOBTE), Australia, Adelaide 3-7 April, 2005.
- 2- Asemaneh, T., Ghaderian, S. M and Baker, A. J. M. Growth and nickel tolerance responses of serpentine and non-serpentine plant species to Ni in hydroponic culture. 13th Iranian Biology Conference & 1st. International Biology Conference, Iran, Guilan, August, 2005.
- 3- Asemaneh, T., Ghaderian, S. M and Baker, A. J. M. Physiological adaptation of an Iranian serpentine endemic plant species, *Cleome heratensis*. 5th International Conference on Serpentine Ecology, Italy, Siena, May 9-13, 2006.
- 4- Asemaneh, T., Ghaderian, S. M and Baker, A. J. M. Possible ligand complexation of Ni in the Eurasian serpentine plants *Alyssum bracteatum*, *A. murale* (Brassicaceae) and *Cleome heratensis* (Capparaceae). The 9th International Conference on the Biogeochemistry of Trace Elements (ICBOTE), China, Beijing, July, 2007.
- 5- Pourbehshtzadeh, E. and Asemaneh, T. Study of the Effect of Different Seed Dormancy Breeding Treatments on Germination characteristics of the Chamomile. Eighteenth Iranian Congress of Biology and 6th International Congress of Biology, Karaj, Iran, 26 August, 2014.
- 6- Younesi, S. and Asemaneh, T. Aluminum resistance investigation of plant species of the Esteghlal-e- Abadeh fire clay mine. Eighteenth Iranian Congress of Biology and 6th International Congress of Biology, Karaj, Iran, 26 August, 2014.
- 7- Porzeynali N. and Asemaneh T. Effect of various potassium nitrate levels on germination and morphological characteristics of *Mentha longifolia*. Second International conference of science and engineering. UAE, Dubai, 1 December, 2015.
- 8- Safaiyan K. and Asemaneh T. Investigating the effects of molybdenum on some physiological characteristics of *Achillea millefolium* L. 20th National & 8th International Congress of Biology, Iran, Maragheh, 22-24 Aug, 2018.
- 9- Sattar K. and Asemaneh T. Study of various calcium magnesium quotients on growth characteristics and phenolic compounds of *Thymus vulgaris* L. 20th National & 8th International Congress of Biology, Iran, Maragheh, 22-24 Aug, 2018.

Paper presented in national conferences: 18 Articles

X. Final Report of Academic Research Projects: 6 Report.

XI. Advice and Supervision of M Sc. Thesis: 16 items