

Toktam Sadat Taghavi

No. 7, Golestan 2, Derakhti St., Park St., Farahzadi Blv., Shahrak-e-Garb Sq., Tehran, Iran
Tel: 0098-21-22091940
Fax: 0098-261-2248721
Email: tstaghavi@yahoo.com, ttaghavi@ut.ac.ir

Experiences

June 2008-June 2009

University of Florida
Horticultural Science Department
Gainesville, FL, 32611, Tel (352) 392 1928 Ext 270
Postdoctoral Research Position
Genetic potential of wild strawberries for nitrogen uptake and reduction

2005-present

University of Tehran
University College of Agriculture and Natural Resources, Karaj, Iran, Tel:
+98261-224 8721
Assistant professor of Department of Horticultural Science
Scientific member of plant physiology and postharvest technology section
Responsible for Education of Department of Horticultural Science (May 2006-
Oct 2006)
Graduate Studies Representative of Department of Horticultural Science (Oct
2006-present)
Teaching:

- Fundamentals of plant nutrition in BSc. course
- Effects of preharvest factors on postharvest physiology in MSc. course
- Physiology of fruit ripening after harvest in PhD. course
- Postharvest physiological disorders in PhD. Course

Conducting MSc. Students thesis

1998-2005

Deputy of Horticulture
Taleghani St., Ministry of Agriculture, Tehran, Tel. 0098-21-64582903
Horticultural Expert
Responsible for developing strawberry farms
Improving the quality of strawberry fruits
Improving raisins quality

1996-1997

Soil and Water Research Institute
Kargar St., Jalal Al Ahmad Hw., Tel. 0098-21-8021087
Member of Scientific Mission

- The effect of potassium spraying on salt resistance of Carnation and its vase life in the cold house
- Surveying different media for culturing gladiolus
- The effect of sulfur and Iron sulfate on element absorption in gladiolus

Education

1998-2004

Ph.D.: Tehran university,
Department of Horticultural Science, **GPA: 18.5/20**

1994-1997

M.Sc.: Tehran university,
Department of Horticultural Science, **GPA: 18.1/20**

1989-1993

B.Sc.: Gilan university,
Department of Horticultural Science, **GPA: 17.2/20**

Skills

Languages:

- **English**
Read: Good
Write: Good
Speak: Good
- **Persian**
Read: Excellent
Write: Excellent
Speak: Fluently

Interests

- Plant Nutrition
- Postharvest physiology of plant products
- Protein and Enzymes activities and purification in plants
- Using Biotechnology and Nano technology in Agriculture

Training courses

- Postdoctorate research period, 2008-2009
- Radiation safety short course, 2008, University of Florida, Gainesville, FL, USA
- The First Sustainable Agriculture Workshop, 2005, Shahid Beheshti University, Iranian Scientific society of Agroecology, Tehran, Iran
- The Job Training Course, 2001, Ministry of Jihad-e-Agriculture, Kerman, Iran

Publications

Journal articles:

1. Sadat Taghavi, T., M. Babalar, 2007, The effect of nitrate and plant size on nitrate uptake and *in vitro* nitrate reductase activity in strawberry (*Fragaria × ananassa* cv Selva), Scientia Horticulture, under press.
2. Taghavi T.S., M. Babalar, H. Ebrahimzadeh, A. Ebadi and A. Rahemi 2005, 'The Effect of Nitrate: Ammonium Ratios on Fruit Quality of Strawberry Cultivar 'Selva' , Acta Horticulturae 708
3. Rahemi A., A. Hasanpour, B. Mansoori, A. Zakerin, and T.S. Taghavi, 2005, The Effects of Intra-Row spacing and N Fertilizer on the Yield of Two Foreign Potato Cultivars in Iran, International journal of Agriculture and Biology, vol.7 No.5, 705-707
4. T.S. Taghavi, 2005, The effects of different Iron and Boron concentrations on yield and mineral content of strawberry cv. Selva, Iranian Journal of Agricultural Sciences, vol. 36 No. 5, pp: 1065-1073
5. Sadat Taghavi, T., M. Babalar, A. Ebadi, H. Ebrahimzadeh, and M. A. Asgari, 2004, Effects of nitrate to ammonium ratio on yield and nitrogen metabolism of strawberry (*Fragaria × ananassa* cv. Selva), International journal of Agriculture and Biology, vol.6, No.6, 994-997

Books

1. Sadat Taghavi, T., 2004, 'Handbook of Strawberry Production, Ministry of Agriculture, Deputy of Horticulture, Sana Publications, 96 pages, In Persian.

Conference Papers:

1. **Taghavi T.S.**, K. Folta, 2008, The genetic potential of wild and cultivated strawberries for nitrogen uptake and reduction, 29-31 Oct, Florida Genetics, Gainesville, FL (<http://www.ufgi.ufl.edu/FL-Genetics-2008/FG2008-program.pdf>).
2. **Taghavi, T.S.**, M. Shafiee, M. Babalar, K. Folta, 2008, Strawberry (*Fragaria x ananassa* Duch. cv. Camarosa) postharvest quality is affected by hot water, Salicylic acid and calcium dipping, ASHS annual meeting, Orlando, FL.
3. Chatterjee, M.; M.A. Clancy, D. Kumar, C. Steeves, Q. Zhang, K.S. Childers, C. Bermudez, **T.S. Taghavi**, T.M. Davis, K.M. Folta, 2008, Evaluation of Novel Rosaceae Gene Function in Transgenic Strawberry and Arabidopsis, 4th International Rosaceae Genomics Conference, 16-19 March (<http://www.rgc4.cl/default.asp>).
4. Sadat Taghavi, T., M. Babalar, A. Ebadi, M.A. Asgari, 2006, Leaf and fruit nutrients concentration in strawberry cv. Selva under different nitrate: ammonium ratios, 27th International Horticultural Congress & Exhibition. Korea.
5. Sadat Taghavi, T., 2004, Organic horticulture in Iran, Seminar on Organic farming for sustainable Agriculture, Taiwan, China
6. Taghavi T.S., M. Babalar, H. Ebrahimzadeh, A. Ebadi and A. Rahemi 2004, 'The Effect of Nitrate: Ammonium Ratios on Fruit Quality of Strawberry Cultivar 'Selva' , Proceeding of the 5th International Strawberry Symposium pp. 28, Queensland, Australia.
7. Sadat Taghavi, T., M. Babalar, and A. Rahemi, 2002, 'The Effect of Different Nutrient Solutions on Leaf Nutrients of Two Anthurium Cultivars', The XXVI International Horticultural Congress & Exhibition (IHC2002), Toronto, Canada.
8. Rahemi, A., A. Hasanpour, B. Mansoori, A. Zakerin, and T. S. Taghavi, 2002, 'The Effect of Intra-Row and N Fertilizer on the Yield of Two Foreign Potato Cultivars in Iran', The XXVI International Horticultural Congress & Exhibition (IHC2002), Toronto, Canada.
9. Sadat Taghavi, T., and M. Babalar. 2001. 'Response of Anthurium Hybrid "Southern Blush" to Saline Nutrient Solutions with Different NO₃: NH₄ Ratios', The Second International Iran and Russia Conference "Agricultural and Natural Resources", Moscow, Russia.

Reports

1. Sadat Taghavi, T., 2001, 'Guidance to planting, growing and harvesting of strawberry' Pardis Magazine, Scientific Mission of Horticultural Science Students in University of Guilan No. 3.
2. Sadat Taghavi, T., 2001, 'Preferences of Improvement Apple Orchards Grafted on Malling Rootstocks', is, in Persian, Gardener Magazine, No. 9.
3. Sadat Taghavi, T., 2001, 'The Most Famous Small Fruits in the World and Some Tips about Them (Part I)', in Persian, Gardener Magazine, No. 9.
4. Sadat Taghavi, T., 2001, 'The Most Famous Small Fruits in the World and Some Tips about Them (Part II)', in Persian, Gardener Magazine (No. 9).
5. Sadat Taghavi, T., 1998 'Optimizing Fertilizer Usage for Increasing Production and Improving longevity of Anthurium Flowers', Technical Bulletin of Soil and Water Research Institute, No. 33, in Persian.