

Curriculum Vitae



PERSONAL INFORMATION:

First Name: Gholamreza
Surname: Abdi
Sex: Male

ADDRESS:

Dept. of Biotechnology, Persian Gulf Institute, Persian Gulf University.
Bushehr. Iran.
Tel: +98-771-4546518 (Office)
Tel (mobile): +98-939-5637615
Email address: astoags@gmail.com abdi@pgu.ac.ir

EDUCATION:

B.S., Dept. Horticultural Science, Tehran University, Tehran, Iran.
M.S., Dept. Horticultural Science, Shiraz University, Shiraz, Iran
PhD., Agricultural College, Dept. of Medicinal Plant Breeding and
Physiology. Tehran University, Tehran,
Iran.

RESEARCH PROJECTS:

- 1- Study The Genetic Diversity of *Avicennia marina* Populations in Southern Coastlines of Iran Using Molecular and Morphological methods.
- 2- Capsaicin accumulation and biotransformation in *Capsicum spp.* Suspension Cultures- chemometrics approach
- 3- Integrated seawater agriculture in Bushehr coastline. (International Project)
- 4- Somatic Embryogenesis Induction in *Delonix regia* (Boger) Raf.
- 5- Evaluation the effect of Nano silver as A novel nanomaterial for removal of bacterial contaminants in valerian (*Valeriana officinalis* L.) Tissue culture.
- 6- Asexual and sexual propagation of *Delonix regia*.
- 7- Effect of Boron and Potassium through injection on fruit set of date palm (*phoenix dactylifera*).
- 8- *In vitro* propagation of *Aloe vera* L.
- 9- Adoption investigation on suitable groundcover plants for turfgrass replacement in Asaluyeh devisions.
- 10- *In vitro* propagation of *Conocarpus erectus*.
- 11- *In Vitro* Propagation of Neem (*Azadirachta indica*)
- 12- Evaluation the bioremediation potential of Vetiver for removing the heavy metals in Asaluyeh devisions.

PUBLICATIONS

- 1- Maryam A. T., Mohammad Reza M. and Gh. Abdi. 2013. Simultaneous Spectrophotometric Determination of Cd²⁺, Cu²⁺, and Zn²⁺ in Rice and Vegetal Samples with Dimethyl-spiro[isobenzofurane-1,6'-pyrrolo[2,3-d]pyrimidine]-2',3,4,5'(1'H,3'H,7'H)tetraone Using Wavelet Transformation–Feed Forward Neural Networks. *J. Agric. Food Chem.*, 2013, 61 (28), pp 6832–6840
- 2- Abdi, Gh., M. Hedayat and M. Modarresi. 2013. In vitro Micropropagation of Aloe vera–Impacts of Plant Growth Regulators, Media and Type of Explants. *J. BIOL. ENVIRON. SCI.* 2013, 7(19),19-24.
- 3- Davoodi R, and Gh. Abdi. 2012. Comparative Study on the Acute Toxicity of Synthetic Pesticides, Permethrin 25% and Monocrotophos 36%, and Neem-Based Pesticide, Neem Gold EC 0.03%, to Juvenile *Cyprinus carpio* Linn. *J. BIOL. ENVIRON. SCI.*, 2012, 6(16), 105-108
- 4- Abdi, Gh., and M. Hedayat. 2011. Induction of Somatic Embryogenesis from Immature Zygotic Embryo and Immature Seed of Royal Poinciana (*Delonix regia*). *World Applied Sciences Journal* 13 (3): 391-395.
- 5- Abdi, Gh., Hedayat M. and M. Khush-Khui. 2011. Development of NaCl-tolerant Line in *Tanacetum cinerariaefolium* (Trevir.) Schultz-Bip through Shoot Organogenesis of Selected Callus Line. *J. Biol. Environ. Sci.*, 5(15), 111-119.
- 6- Abdi Gh., M. Mohammadi and M. Hedayat. 2011. Effect of salicylic acid on Na⁺ accumulation in shoot and roots of tomato in different K⁺ Status. *J. Biol. Environ. Sci.*, 5(13), 31-35
- 7- Abdi, Gh., H Salehi and S Eshghi. 2010. Affect of natural zeolite and paclobutrazol on reducing salt stress in Kentucky bluegrass (*Poa pratensis* L.). *Hort. Environ. Biotechnol.* 51(3): 159-166
- 8- Hesami, A. and Gh. Abdi. 2010. Effect of Some Plant Growth Regulators on Physiochemical Characteristics of Date Palm (*Phoenix dactylifera* L. cv. Kabkab) Fruit. *American-Eurasian J. Agric. & Environ. Sci.* 7 (3): 277-282
- 9- Abdi., Gh. and M Hedayat. 2010. Yield and Fruit Physiochemical Characteristic of 'Kabkab' Date Palm as Affected by Methods of Potassium Fertilization. *Advances in Environmental Biology*, 4(3): 437-442
- 10- Abdi, Gh. 2010. Yield and Fruit Physiochemical Characteristic of 'Kabkab' Date Palm as Affected by Methods of Iron Fertilization. *World Applied Sciences Journal* 10(11): 1328-1333.
- 11- Eshghi, S., M. R. Mahmoodabadi, Gh. Abdi, and B. Jamali. 2010. Zeolite Ameliorates the Adverse Effect of Cadmium Contamination on Growth and

- Nodulation of Soybean Plant (*Glycine max* L.). *J. Biol. Environ. Sci.*, 4(10), 43-50
- 12- Abdi., Gh. and M Hedayat. 2009. Callus Induction and Plant Regeneration in *Tanacetum cinerariaefolium* (Trevir.) Schultz-Bip: an Important Medicinal Plant. *Hort. Environ. Biotechnol.* 50(4):1-5.
- 13- Hedayat., M., Gh. Abdi and M. Khush Khui. 2009. Regeneration via Direct Organogenesis from Leaf and Petiole Segments of Pyrethrum [*Tanacetum cinerariifolium* (Trevir.) Schultz-Bip.]. *American-Eurasian J. Agric. & Environ. Sci.*, 6 (1): 81-87, 2009
- 14- Abdi., Gh. and N. A. Rabori. 2009. Enhancement effects of Urea-Phosphate, Paclobutrazol, Indole-3-Butyric Acid, and Their Combinations in Rooting Royal Poinciana (*Delonix regia*). *American-Eurasian J. Agric. & Environ. Sci.*, 6 (1): 81-87, 2009
- 15- Abdi, Gh., M. Khosh-Khui and A Shekafandeh. 2009. Rapid micropropagation through shoot regeneration of valerian (*Valeriana officinalis* L.) . *Hort. Environ. Biotechnol.* 50 (50): 467-471.
- 16- Abdi, Gh and M Hedayat. 2009. Enhancement effects of Urea-Phosphate, Paclobutrazol, Indole-3-Butyric Acid, and Their Combinations in Rooting of Neem (*Azadirachta indica*). *Hort. Environ. Biotechnol.* 50(3):258-261.
- 17- Abdi, Gh., Salehi, H. and M. Khosh-Khui. 2008. Nano silver: a novel nanomaterial for removal of bacterial contaminants in valerian (*Valeriana officinalis* L.) tissue culture. *Acta Physiologiae Plantarum.*709-714.
- 18- Shahrokhi, M., H. Salehi, S. Eshghi , and Gh. Abdi. 2008. Turf Seedling Height and Quality in Paclobutrazol-treated Seeds of *Lolium perenne* L. 'Barbal' Sown in the Soil Mixed with Zeolite. *Hort. Environ. Biotechnol.* 49(6):381-386.
- 19- Abdi, Gh, and M. Khosh-Khui. 2007. Shoot Regeneration via Direct Organogenesis from Leaf Segments of Valerian (*Valeriana officinalis* L.) *International Journal of Agricultural Research* 2 (10): 877-882.
- 20- Abdi, Gh., M. Khosh-Khui and S. Eshghi. 2006. Effects of Natural Zeolite on Growth and Flowering of Strawberry (*Fragaria x ananassa* Duch.). *International Journal of Agricultural Research* 1 (4): 384-389.
- 21- Eshghi, S., Gh. Abdi, E. Tafazoli and S. Yavari. 2007. Strawberry Research and Biotechnology in Iran. *Middle Eastern and Russian Journal of Plant Science and Biotechnology* ©2007 Global Science Books

PUBLICATIONS (ABSTRACTS)

- 1- Abdi., Gh. 2011. Micropropagation of *Aloe Vera*. 7th Iranian Horticultural Science Congress.

- 2- Hedayat M, and GH Abdi. 2011. The Effect of Different Pollen Spath of a Date Palm on Fruit Characteristic of Kabkab Cultivar. 7th Iranian Horticultural Science Congress.
- 3- Abdi Gh. and M. Hedayat. Effect of GA, Kinetin, Iron and Zinc on *Nigella sativa* L. 6th Conference on Aromatic and Medicinal Plants of Southeast European Countries (6th CMAPSEEC), Antalya-Turkey, 2010.
- 4- Abdi., Gh. and M Hedayat. 2009. Evaluation the effect of different concentrations of salicylic acid on growth and flowering of *Tagetes erecta*. 6th Iranian Horticultural Science congress.
- 5- Askari rabori .N., Gh. Abdi and S. Esmatpishe. 2009. Evaluation the effect of different antibiotics in removal of bacterial contaminants in narcissus (*Narcissus tazetta*) tissue culture. 2nd Agricultural Biotechnology Conference. Kerman. Iran.
- 6- Gh. Abdi, Askari rabori .Naser., and S. Mardanloo. 2009. Evaluation the effect of salicylic Acid on Neem, Potato and Tobbaco tissue culture. 2nd Agricultural Biotechnology Conference. Kerman. Iran.
- 7- Hedayat M, GH, Abdi and S. Bostani. 2009. Effect of natural zeolite and superabsorbent on tomato transplant production. 11th Iranian Soil Science National Congress.
- 8- Abdi GH, and M Hedayat. 2009. Effect of different concentration of salicylic acid on seed germination and transplant production of *Zinnia elegans*. 6th Iranian Horticultural Science Congress.
- 9- Askari Rabori .N., Gh. Abdi and H. Ghorbani. 2009. Effect of different concentration of IBA on rooting of *Rosa hybrida* stem cutting. 6th Iranian Horticultural Science Congress.
- 10- Hedayat M, and GH, Abdi. 2009. Effect of natural zeolite and superabsorbent on growth and yield of tomato and pepper. 6th Iranian Horticultural Science congress.
- 11- Hedayat M, and GH, Abdi. 2009. Effect of different culture media and plant growth regulators on agave bulbils (*Agave acunatta*) rooting. 6th Iranian Horticultural Science Congress.
- 12- Ramezani, S., Abdi, Gh., Hedayat, M. 2009. Effect of salicylic acid on Milk Thistle Development, Seed Yield, and Silymarin Content. 2nd *International Symposium on Medicinal and Nutraceutical*. India.
- 13- Ramezani, S., Abdi, Gh. 2009. Callus induction and plant regeneration in *Azadirachta indica*. 2nd *International Symposium on Medicinal and Nutraceutical*. India.

- 14- Abdi, Gh., Hedayat, M., Ramezani, S. 2009. Development of NaCl-tolerant line in *Tanacetum cinerariaefolium* through shoot organogenesis of selected callus line. 2nd International Symposium on Medicinal and Nutraceutical. India.
- 15- Ramezani, S., Solaimani, B. Abdi, Gh. 2009. Antifungal activity of eucalypt essential oil and its chemical composition. 2nd International Symposium on Medicinal and Nutraceutical. India.
- 16- Hedayat M, and GH, Abdi. 2008. Effect of natural zeolite on growth parameters of Kentucky Bluegrass (*Poa pratensis*) in salinity condition. First Iranian International Zeolite Conference.
- 17- Abdi Gh. and H Salehi. 2008. Effect of natural zeolite to reducing salt stress in Kentucky Bluegrass (*Poa pratensis*). First Iranian International Zeolite Conference.
- 18- Abdi, Gh, Salehi, H. and M. Khosh-Khui. 2008. Evaluation the potential of nano silver for removal of *xanthomonas compestris* and *xanthomonas xsyringae* bacterial contaminants in valerian (*Valeriana officinalis* L.) tissue culture. 4th Iranian Horticultural Science congress.
- 19- Hedayat M, GH, Abdi and Z Hosaini. 2008. Effect of superabsorbent on *Capsicum annum* L transplant production. 11th Iranian Soil Science National Congress.
- 20- Mahmoodabadi, M. R., GH. Abdi E, Adhami and Gh. Hadarbadi. 2008. Effects of Zeolite Application on cadmium toxicity, growth, nodulation and chemical composition of soybean. First Iranian International Zeolite Conference.
- 21- Abdi, Gh, and M. Khosh-Khui. 2006. Direct and indirect regeneration of Valerian (*Valerina officinalis* L.) . 4th Iranian Horticultural Science congress.
- 22- Abdi, Gh, and M. Khosh-Khui. 2006. Direct embryogenesis from leaf segments of Valerian (*Valerina officinalis* L.) . 4th Iranian Horticultural Science congress.

BOOK CHAPTER:

Eshghi, S., Gh. Abdi, E. Tafazoli and S. Yavari. 2007. Strawberry Research and Biotechnology in Iran. Middle Eastern and Russian Journal of Plant Science and Biotechnology ©2007 Global Science Books

