

CURRICULUM VITAE

Assoc. Prof. Ayşe Nilgün ATAY, PhD

Burdur - Mehmet Akif Ersoy University, Food Agriculture and Livestock School, Department of Crop and Livestock Production, Horticulture Programme, Burdur, Turkey

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Education and training

2013 - PhD in horticulture - Süleyman Demirel University, Graduate School of Applied and Natural Sciences, Department of Horticulture, Isparta, Turkey

2006 - Master of Science - Harran University, Graduate School of Applied and Natural Sciences, Department of Agricultural Structures and Irrigation, Şanlıurfa, Turkey

2003 - Bachelor of Science, Ege University, Faculty of Agriculture, Department of Agricultural Structures and Irrigation, İzmir, Turkey

Work experience

2021- Associate Professor - Mehmet Akif Ersoy University, Food Agriculture and Livestock School, Department of Crop and Livestock Production, Horticulture Programme, Burdur, Turkey

2019 - 2021 Assistant professor - Mehmet Akif Ersoy University, Food Agriculture and Livestock School, Department of Crop and Livestock Production, Horticulture Programme, Burdur, Turkey

2005 - 2019 Researcher - Fruit Research Institute, Republic of Turkey Ministry of Agriculture and Forestry, Eğirdir, Isparta, Turkey

2004 - 2005 Researcher - GAP Agricultural Research Institute, Republic of Turkey Ministry of Agriculture and Forestry, Şanlıurfa, Turkey

2000 - 2004 Researcher - Atatürk Horticultural Central Research Institute, Republic of Turkey Ministry of Agriculture and Forestry, Yalova, Turkey

Research interests

Fruit breeding, pomology, temperate fruit trees, plant growth regulators, physiology

Selected Publications

Atay, E., Pirlak, L., Atay, A.N., 2010. Determination of fruit growth in some apple varieties. *Tarım Bilimleri Dergisi - Journal of Agricultural Sciences*, 16(1): 1-8.

Kafkas, E., Özongun, S., Atay, N., Guney, M., Khodaeiaminjan, M., Kafkas, S., 2013. Fruit quality characteristics of local and foreign apple genotypes using HPLC and HS-GC/MS techniques. *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)*, 2(3): 563-575.

Atay, A.N., Koyuncu, F., Atay, E., 2013. Relative susceptibility of selected apple cultivars to alternate bearing. *Journal of Biological and Environmental Sciences*, 7(20): 81-86.

Atay, A.N., Koyuncu, F., 2015. Effects of Plant Growth Regulator Treatments on Bitter Pit and Russet Development in Golden Delicious Apple. *Journal of Agricultural Sciences*, 21: 516-524

Motalebipour, E.Z., Çoban, N., Khodaeiaminjan, M., Guney, M., Özongun, Ş., Atay, A.N., Kafkas, S., 2015. Development of BAC-end based simple sequence repeat (SSR) markers in apple. *Ekin Journal of Crop Breeding and Genetics*, 1-2:84-92.

Motalebipour, E.Z., Kafkas, S., Özongun, Ş., Atay A.N., 2015. Construction of dense genetic linkage maps of apple cultivars Kaşel-41 and Williams' Pride by simple sequence repeat markers. *Turkish Journal of Agriculture and Forestry* 39: 967-975. doi:10.3906/tar-1412-73.

Atay, A.N., Ozongun, S., Seymen, T., Bayav, A., Atay, E., 2016. Variability and heritability of floral development in apple full-sib offsprings. *Genetika*, 48(1): 383-394. DOI: 10.2298/GENSR1601383A.

Atay, A.N., Koyuncu, F., 2016. Manipulating regular bearing in 'Golden Delicious'/M9 apple trees using GA4+7 and ethephon. *International Journal of Fruit Science*, 16 (1): 10-22. DOI: 10.1080/15538362.2015.1028697.

Atay, E., Gargin, S., Esitken, A., Atay, A.N., Altindal, M., Emre, M., 2017. Orchard performance of apple worsens as weed competition increases: a long-term field study under Mediterranean conditions. *Acta Scientiarum Polonorum Hortorum Cultus*, 16(5): 13-18. DOI: 10.24326/asphc.2017.5.2.

Atay, E., Gargin, S., Esitken, A., Guzel, N.P., Atay, A.N., Altindal, M., Senyurt, H., Emre, M., 2017. The effect of weed competition on apple fruit quality. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 45(1): 120-125. DOI:10.15835/nbha45110556.

Atay, A.N., Koyuncu, F., 2017. Impact of repeated yearly applications of prohexadione-calcium on vegetative and reproductive growth of 'Golden Delicious'/M9 apple trees. *Journal of Horticultural Research*, 25(1): 47–54. DOI: 10.1515/johr-2017-0005.

Atay, A.N., Atay, E., Lauri, P.E., Kunter, B., Kantoglu, K.Y., 2018. Phenotyping gamma-ray-induced mutant population of 'Amasya' apple for architectural traits, precocity, floral phenology and fruit characteristics. *Scientia Horticulturae*, 233: 195-203. DOI: 10.1016/j.scienta.2018.01.003.

Atay A.N., Atay, E., Kunter, B., Kantoglu, K.Y., Kaplan N., 2019. Determination of optimal mutagen dosage and its effects on morpho-agronomic traits in putative mutants of 'Amasya' apple.- *Genetika*, 51, 2, 629-639. DOI: 10.2298/GENSR1902629A.

Atay A.N., 2020. Deciphering morpho-agronomic determinants of the juvenile-mature phase change in apple progenies. *Scientia Horticulturae*, 259, 1-8., Doi:10.1016/j.scienta.2019.108847.