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## CURRICULUM VITAE

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## **EDUCATION**

**2004 – 2010** : PhD; Hacettepe University; Institute for Graduate Studies in Science and Engineering, Ankara, TURKEY.

**2001 – 2004** : MSc; Biology; Hacettepe University; Institute for Graduate Studies in Science and Engineering, Ankara, TURKEY.

**1997 – 2001** : B.S. Biology; Hacettepe University, Ankara, TURKEY.

## **EMPLOYMENT**

**December 2002 – June 2010** : Research Assistant; Hacettepe University, Faculty of Science, Department of Biology.

**December 2010 – December 2011** : Compulsory Military Service.

**December 2011 –** : Senior Researcher; Hacettepe University, Faculty of Science, Department of Biology.

**December 2014 -** : Visiting Scholar; University of California Davis, Department of Animal Science

## **AWARDS and SCHOLARSHIPS**

**2006 – 2007:** **Fulbright PhD Research Scholarship**, University of California Riverside, Department of Biology, Roff Lab.

## **RESEARCH PROJECTS**

**Title:** Genomics Of Speciation Processes Within The Genus Phonochorio. Proje No: 544. **Principle Investigator.** Hacettepe University Scientific Research Unit. **(2015 – Ongoing).**

**Title:** Construction of RAD-seq genome libraries for the genus Phonochorion (Orthoptera: Tettigoniidae). Proje No: 013D05601006. **Principle Investigator.** Hacettepe University Scientific Research Unit. **(Completed, 2015).**

- Title:** Molecular based evolutionary ecological studies on the Barbitistini (Orthoptera: Tettiogniidae: Phaneropterinae) distributed throughout the North Black Sea Region of Turkey. Hacettepe University Scientific Research Department, Project No: 5193. **(2011 – Ongoing)**.
- Title:** DNA Barcoding of the Barbitistini fauna of the East Black Sea Region. Hacettepe University Scientific Research Department, Project No: 5885. **(Completed, 2012)**.
- Title:** Phylogeography of the Genus *Phonochorion*, Uvarov 1916 (Orthoptera: Tettiogniidae). Hacettepe University Scientific Research Department, Project No: 09D03601003. **(Completed, 2010)**
- Title:** Research on the ecological mechanisms affecting the evolutionary processes of the species *Isophya redtenbacheri* Adelung, 1907 and the species belonging to the genus *Phonochorion* Uvarov, 1916 (Orthoptera: Tettiogniidae) situated in Northeast Anatolia. Hacettepe University Scientific Research Department, Project No: 03.02.601.012. **(Completed, 2010)**
- Title:** Distribution and Phylogeography of pine processionary moth species, *Thaumetopoea pityocampa* (Dennis&Schifferrmüller, 1775) and *Thaumetopoea wilkinsoni* Tams, 1924 (Lepidoptera: Notodontidae), within Turkey. The Scientific and Technological Council of Turkey, T0VAG, Project No: 109O411. **(Completed, 2010)**

## **PEER REVIEW PUBLICATIONS**

- Sağlam İK, Baumsteiger J, Miller MR (2016) Commentary: Failure to appreciate differences in divergence times of species and their genes can result in severe over-estimation of mutation rates in recently diverged species. *Proceedings of the Royal Society B: Biological Sciences* **(Submitted)**
- Sağlam İK, Baumsteiger J, Smith MJ, Linares-Casenave J, Nicholas NL, O'Rourke SM, Miller MR (2016) Phylogenetics supports an ancient common origin of

- two scientific icons: Devils Hole and Devils Hole pupfish. *Molecular Ecology* **(Submitted)**
- Sağlam İK, Miller MR, O'Rourke SM and Çağlar SS (2016). Phylo-comparative analysis from RAD sequence data reveal the dual role of drift and selection in reproductive character displacement. *Journal of Evolutionary Biology* **(Submitted)**
- Arraiano-Castilho R, Sağlam İK, O'Rourke SM, Miller MR, Beja-Pereira A. (2016) Cryptic speciation challenges conservation and management of mycological resources. *Fungal Diversity* **(Submitted)**
- Hekimoğlu O, Sağlam İK, Özer N, Estrada-Peña A (2016) New molecular data shed light on the global phylogeny and species limits of the *Rhipicephalus sanguineus* complex. *Ticks and tick-borne diseases*. **(Early Online)**.  
doi:10.1016/j.ttbdis.2016.03.014
- Perktaş U, Gür H, Sağlam İK, Quintero E (2015) Climate-driven range shifts and demographic events over the history of Kruper's Nuthatch *Sitta krueperi*. *Bird Study*, **62**, 14–28.
- Sağlam İK, Küçükyıldırım S, Çağlar SS (2014) Diversification of montane species via elevation shifts: The case of the Kaçkar cricket Phonochorion (Orthoptera). *Journal of Zoological Systematics and Evolutionary Research*, **52**, 177–189.
- Çağlar SS, Karacaoğlu Ç, Kuyucu a. C, Sağlam İK (2014) Humidity and seasonality drives body size patterns in males of the bush cricket *Isophya rizeensis* Sevgili, 2003 (Orthoptera: Tettigoniidae: Phaneropterinae). *Insect Science*, **21**, 213–226.
- Şekercioğlu ÇH, Anderson S, Akçay E *et al.* (2011) Turkey's globally important biodiversity in crisis. *Biological Conservation*, **144**, 2752–2769.
- Çağlar SS, Sağlam İK, Akiner, MM (2011) The influence of photoperiod on size and development of ovarioles in insecticide resistant and susceptible strains of the house fly *Musca domestica* L. (Diptera: Muscidae). *Turkish Journal of Zoology*, **35**, 325–331.

- Sevgili H, Çağlar SS, Sağlam İK (2010) Re-evaluation of the genus *Phonochorion* (Orthoptera: Tettigoniidae: Phaneropterinae). *European Journal of Entomology*, **107**, 631–645.
- Sağlam İK, Roff D a., Fairbairn DJ (2008) Male sand crickets trade-off flight capability for reproductive potential. *Journal of Evolutionary Biology*, **21**, 997–1004.
- Sağlam İK, Çağlar SS (2007) Local Population Size and Dynamics of the Color Polymorphic Bush Cricket, *Isophya rizeensis* Sevgili, 2003 (Orthoptera: Tettigoniidae) within the Firtina Valley. *Turkish Journal of Zoology*, **31**, 1–8.
- Sağlam İK, Çağlar SS (2005) Distribution and habitat characteristics of the color polymorphic bush-cricket *Isophya rizeensis* Sevgili (Orthoptera : Tettigoniidae : Phaneropterinae) in Turkey. *Entomological News*, **116**, 309–324.
- Çağlar SS, Sağlam İK (2005) Effects of photoperiod on testis development of insecticide resistant and susceptible populations of the house fly, *Musca domestica* L. (Diptera: Muscidae). *Hacettepe Journal of Biology and Chemistry*, **34**, 45–50.

## **THESIS**

- MSc Thesis** Sağlam İK. 2004. Research on the altitude dependent, ecological distribution and color polymorphism of the bush-cricket *Isophya rizeensis* Sevgili, 2004 (Orthoptera: Tettigoniidae). In Turkish. Department of Biology, Hacettepe University, Institute for Graduate Studies in Science and Engineering. Ankara, Turkey. 123 pp.
- PhD Thesis** Sağlam İK. 2010. Speciation and Phylogeography of the Genus *Phonochorion*, Uvarov 1916 (Orthoptera: Tettigoniidae). In Turkish. Department of Biology, Hacettepe University, Institute for Graduate Studies in Science and Engineering. Ankara, Turkey. 159 pp.

## **SELECTED PRESENTATIONS**

**2015 13th Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 7 – 11 October, Crete, Greece.**

Sağlam İK, Miller MR, O'Rourke SM, Çağlar SS. Phylogenetics supports an ancient common origin of two scientific icons: Devils Hole and Devils Hole pupfish.

**2015 Annual meeting of the Society for Molecular Biology and Evolution, 12 – 16 July, Vienna, Austria.**

Castilho RA, Sağlam İK, Miller MR, Beja-pereira A. Next-generation RAD sequencing: a tool for evaluation the phylogeographic patterns of *Amanita ponderosa* (MalenHon & R. Heim) in Iberian Peninsula.

**2015 2nd Ecology and Evolutionary Biology Symposium, Turkey, 6 – 7 August, Ankara, Turkey.**

Sağlam İK, Baumsteiger J, Smith MJ, Linares-Casenave J, Nicholas NL, O'Rourke SM, Miller MR. Phylogenetics supports an ancient common origin of two scientific icons: Devils Hole and Devils Hole pupfish.

**2013 6<sup>th</sup> International Conference of Biogeography, 9 – 13 January, Miami, USA.**

Sağlam İK, Küçükıldırım S, Mergen H and Çağlar SS. Do elevation shifts promote diversification of montane species within Anatolian mountains: The case of the Caucasus endemic bush-cricket *Phonochorion*. (Poster Presentation).

**2012 12<sup>th</sup> International Congress on the Zoogeography and Ecology of Southeastern Greece and Adjacent Regions, 18 – 22 June, Athens, Greece.**

Sağlam İK, Küçükıldırım S, Mergen H, Ünal H and Çağlar SS. Testing diversification processes within Anotalia via statistical phylogeography. (Oral Presentation).

- 2012 12<sup>th</sup> International Congress on the Zoogeography and Ecology of Southeastern Greece and Adjacent Regions, 18 – 22 June, Athens, Greece.**
- Kuyucu AC, Çağlar SS, Karacaoğlu Ç and **Sağlam İK**. Can humidity and seasonality explain body size variation in males of the color polymorphic bush cricket *Isophya rizeensis*? An information theoretic approach. (Oral Presentation).
- 2009 10<sup>th</sup> International Congress of Orthopterology, 21 – 25 June, Antalya, Turkey.**
- Sevgili H, Sağlam SS and **Sağlam İK**. Bioacoustics, Systematics and Distribution of the Phonochorion Genus (Orthoptera: Tettigoniidae: Phaneropterinae).
- 2009 Darwin Anniversary Symposium, 22-25 April, İstanbul, Turkey.**
- “Speciation and Phylogeography of the Genus *Phonochorion*, Uvarov 1916 (Orthoptera: Tettigoniidae).
- 2008 20<sup>th</sup> International Congress of Genetics, 12 – 17 July, Berlin, Germany.**
- Önder BŞ, Erisoz Kasap Ö, Emecen Özsoy G and **Sağlam İK**. Phenotypic variation of wing morphology between parental and interspecific hybrids of *Drosophila simulans* and *Drosophila melanogaster* from different populations within Turkey.
- 2007 CEHA, 56<sup>th</sup> Annual Educational Symposium. 23 – 27 April, Sacramento, California, USA.**
- Çağlar SS and Sağlam İK. Integrated Management Programs for Vector and Nuisance Species: New Directions in Turkey.
- 2005 10<sup>th</sup> European Ecology Congress, 8 – 13 November, Kuşadası, Turkey.**
- Distribution of the color polymorphic bush cricket *Isophya rizeensis* Sevgili, 2003 (Orthoptera: Tettigoniidae: Phaneropterinae) within the Firtına Valley.” (Poster Presentation).
- 2001 3<sup>rd</sup> International SOVE Congress, 16 – 21 September, Barcelona, Spain.**



The effect of Photoperiod on Testis Development of Sensitive and Resistant Populations of the Housefly *Musca domestica* L. (Diptera: Muscidae)" (Poster Presentation)