
CURRICULUM VITAE

İSMAİL KUDRET SAĞLAM

(PhD, Hacettepe University, Ankara, Turkey)

PERSONAL

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23 January 1979.

CONTACT**University**

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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: Tettigoniidae: 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: Tettigoniidae). 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: Tettigoniidae) 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 6th 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 12th 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 12th 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 10th 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 20th 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, 56th 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 10th 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 3rd 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)