



## CURRICULUM VITAE

**Family name:** AVCIOĞLU

**First names:** BANU

**E-mail:** banuavcioglu@gmail.com

**Phone:** + 90 533 635 51 73

### EDUCATION

Biotechnology Program, Middle East Technical University (/METU), Ankara, Turkey [2001- 2008] PhD

Biotechnology Program, METU, Ankara, Turkey [1997- 2000] MSc

Food Engineering Department, METU, Ankara, Turkey [1992- 1997] BSc

### PROFESSIONAL EXPERIENCE

Date	Company	Position
10/2011-	Biyans Biological Products Co. Ankara, Turkey ( <a href="http://www.biyans.com">http://www.biyans.com</a> )	R&D and Education Coordinator
06/2010 - 12/2010	Ankara University	Post-doc
03/2009-10/2009	STGM (Sivil Toplum Geliştirme Merkezi- Civil Society Development Center) <a href="http://stgm.org.tr/">http://stgm.org.tr/</a>	Consultant
12/03/2007- 12/06/2007	TUBITAK Scholarship to work in WSU- USDA-ARS	Short term researcher
20/06/2006-30/6/2006	STGM	Independent Evaluator
07/2003-10/2003	Turkish Patent Institute ( <a href="http://www.turkpatent.gov.tr">www.turkpatent.gov.tr</a> )	Patent Examiner
04/2001-07/2003	Turkish Patent Institute ( <a href="http://www.turkpatent.gov.tr">www.turkpatent.gov.tr</a> )	Patent Examiner
12/1997- 04/2001	Turkish Patent Institute ( <a href="http://www.turkpatent.gov.tr">www.turkpatent.gov.tr</a> )	Assistant Patent Examiner

### KEY QUALIFICATIONS

#### *Projects Participat(ing/ed)*

- IPM-4-CITRUS (EU Project Horizon 2020: H2020-MSCA-RISE-2016, 2017 – cont.)  
<http://www.ipm-4-citrus.insa-toulouse.fr/presentation/>
- Project on the Development of a Prototype Exhibition on Forensic Science in Science Centers (TÜBİTAK 1511, 2016 – cont.) <http://www.biyans.com/portofolio/guncelproje/>
- Project on Residual Forests of the Midde Anatolia, (UNDP GEF SGP, 2016 - cont.)  
[https://sgp.undp.org/index.php?option=com\\_sgpprojects&view=projectdetail&id=24553&Itemid=272](https://sgp.undp.org/index.php?option=com_sgpprojects&view=projectdetail&id=24553&Itemid=272)
- Project named Promotion and Conservation of Buxus sempervirens Forest in Firtina Valley, Rize (UNDP GEF SGP, 2012-2015)  
[https://sgp.undp.org/index.php?option=com\\_sgpprojects&view=projectdetail&id=18448&Itemid=272](https://sgp.undp.org/index.php?option=com_sgpprojects&view=projectdetail&id=18448&Itemid=272)
- Project on Development of Biological Preparations against Fungal Pathogens in Agriculture (KOSGEB R&D Projects of Republic of Turkey Ministry of Science Industry and Technology, 2011-2013).  
<http://www.biyans.com/portofolio/tamamlanan-projelerimiz/>
- Project named Method Identification and Dissemination of Multi-Purpose Energy Forestry Applications (UNDP GEF SGP, 2008-2010)

- Project named Publication In Regard to Determination and Prevention of Economic, Social, Cultural and Technical Reasons Which May Give Harm to High-Mountain Ecosystems in the East Black Sea Region (2005-2006) (Critical Ecosystem Partnership Fund-CEPF)

- Project named "Presentation of Nature Reservation areas in Turkey on Local, National, and International Levels, and Granting Public Participation Protection of Gene Resources (The Case of Gevne Valley)" (UNDP GEF / SGP, 1998-2000)

## **Publications/Presentations NGO Field**

- Updating the Situation of Remnant Forests in Central Anatolia, Raising Public Awareness for Protection and Establishing Conservation Proposals. Ölez S, Önal Emiroğlu Ç, Demirtaş A, Usta S, Körüklü T, Bektaş M, Avcioğlu Çoçalışkan B, Avcioğlu B et al ( International Conference on Agriculture Forest Food Sciences and Technologies (ICAFOF) 15-17 May 2017, Cappadocia, Turkey (oral presentation). Abstract Book page 926.

- A Rural Story: What happened to Buxus? [*Bir Kırsal Çevre Öyküsü, Şimşirlerin Başına Gelenler... Şimşir Ormanlarına Ne Oldu?*] Editors: Avcioğlu B, Şenel İ. Demirtaş, A. The Research Association of Rural Environment and Forestry publication no 16. Ankara, 2013 (book)

- Avcioğlu, B. [*Türkiye'deki Tabiatı Koruma Alanlarının Özellikleri ve Başlıca Sorunları*] Characteristics and Main Problems of Nature Protection Areas in Turkey. Symposium of Protected Natural Areas. Faculty of Forestry, Suleyman Demirel University, 8-10 September 2005, Isparta. Turkey] (Poster)

- Experiences of RAREF in Camili – Macahel. In-job Training of the General Directorate of National Parks, Hunting and Wild Life. 2-5 April 2002, Bursa, Turkey. (presentation)

## **Biotechnology Field**

**PhD Thesis:** Expression Profiling in Response to *Ascochyta rabiei* Inoculations in Chickpea. Biotechnology Program, Middle East Technical University (METU), Ankara, Turkey 2008.

**MSc Thesis:** Screening of Soil Microorganisms to Isolate Xylanase Producers. Biotechnology Program, Middle East Technical University (METU), Ankara, Turkey 2000.

- Using RAPD Markers for Determination of Genetic Diversity of Tomato Lines Tolerant to High Temperature Conditions in Şanlıurfa. Karipçin Z, Avcioğlu B, Özkeserli Z. (International Conference on Agriculture Forest Food Sciences and Technologies (ICAFOF) 15-17 May 2017, Cappadocia, Turkey (oral presentation). Abstract Book page 1253.

- Translation of Advanced Biology with Vernier (<http://www.vernier.com/products/books/bio-a/>) in Turkish: (translation editor Avcioğlu B, translated by: Avcioğlu B, Çeterez Z, Cantaş R, Molla D, Mutgan C, İnal A, 2014-2015) (will be published by Renko - Rentech LTD, <http://www.rentech.com.tr/>)

- Tekin F, Avcioğlu B. Efe A. DNA Barcoding of Some Medicinal and Aromatic Plants. ORAL-PLTBIO-OP135. Symposium on Eurasian Biodiversity, 23-27 May, Antalya 2016, s:35.

- Necmi A, Avcioğlu B. DNA Barcoding of Herbarium Specimens of *Buxus sempervirens* and *B. balearica*. ORAL-BIOCON-OP268. Symposium on Eurasian Biodiversity, 23-27 May, Antalya 2016, s:165.

- Necmi A, Avcioğlu B. Özkeserli Z. Preliminary Research on Distribution and Genetic Diversity of *Buxus sempervirens* in Euxine Sub-Flora Region of Turkey. ORAL-BIOCON-OP269. Symposium on Eurasian Biodiversity, 23-27 May, Antalya 2016, s:166.

- Yurtkuran, Z., Altan B., Avcioğlu Dündar, B. Domates, Biber ve Üzümde Uçucu Yağ Uygulamasının Depo Koşullarında *Botrytis cinerea* Enfeksiyonuna Karşı Etkisi. FP38. V. Bitki Koruma Kongresi, 3-5 Şubat 2014, Antalya. s: 249

- Avcioğlu-Dündar, B., Gürkan, O. [*Pamuk Yaprak Kurdunun (Spodoptera littoralis) Asetilkolinesteraz Geni cDNA'sının Eldesi*] PH010. 21<sup>th</sup> National Biology Congress. 3-7 September 2012, İzmir, Turkey. page:1326. (Poster)

- Avciöglü-Dündar, B., McPhee, K., Okubara, P., Akkaya, M. Comparison of Expression Levels of Ascochyta Blight (*Ascochyta rabiei*) Responding ESTs in Chickpea X Pathotype Interaction Couples. PH011. 21<sup>th</sup> National Biology Congress. 3-7 September 2012, İzmir, Turkey. page:1327. (Poster)
- Molla,D., Toksöz, S., Yurtkuran, Z., Avciöglü Dündar, B.[*Evcil Kanaryada (Serinus canaria domestica) DNA Eşey Tayini*] DNA-based Sex Determination in Domestic Canary *Serinus canaria domestica*). PH113. 21<sup>th</sup> National Biology Congress. 3-7 September 2012, İzmir, Turkey. page:1418. (Poster)
- Rajesh, P.N. Avcioglu, B., Nayak, S., Winter, P., Varshney, R., McPhee, K., Zhang, H., Muehlbauer, F., Chen, W. Integration of Additional Molecular Markers and Genetic Analysis of Ascochyta Blight Resistance In Chickpea. Poster no: P386. Plant & Animal Genomes XVI Conference. January 12-16, 2008. Town & Country Convention Center, San Diego, CA.
- Avciöglü-Dündar, Akkaya, M.S. [*Ascochyta rabiei* yanıklığı hastalığına karşı dirençlik mekanizmasında yer alan olası nohut genlerinin analizi] Analysis of putative chickpea genes involved in resistance mechanism against *Ascochyta rabiei* blight disease. 15<sup>th</sup> Biotechnology Congress of Biotechnology Association, 28-31 October 2007, Antalya, Turkey] (Poster)
- Avciöglü-Dündar, B., Bayraktar, H., Dolar, S., Akkaya, M.S. [Nohut (*Cicer arietinum* L.) *Ascochyta rabiei* yanıklığı hastalığına karşı dayanıklılık mekanizmasında rol alan genlerin saptanması] Determination of genes involved in resistance mechanism of chickpea (*Cicer arietinum* L.) to *Ascochyta rabiei* blight disease. 14<sup>th</sup> Biotechnology Congress of Biotechnology Association, 31 August-2 September 2005, Eskisehir, Turkey. (Poster)
- Avcioglu, B. Eyupoglu, B. Bakir, U. Production and characterization of xylanases of a *Bacillus* strain isolated from soil. World Journal of Microbiology and Biotechnology. vol. 21:65–68. 2005.
- Avciöglü, B., Bakır, U. Toprak [*Mikroorganizmalarının Taranarak Ksilanaz Üreten Bacillus İzolasyonu, Kültür Koşullarının Belirlenmesi ve Enzimin Kısmi Karakterizasyonu*] Isolation of Xylanase Producing *Bacillus* by Screening Soil Microorganisms, Determination of Culturing Conditions and Partial Characterization of the Enzyme. 12<sup>th</sup> Biotechnology Congress, 17-21 September 2001, Balıkesir, Turkey. (Presentation)

#### **Patent Field**

- Avciöglü-Dündar, B. [*Tarımsal Açidan Önemli Bitki Genetik Kaynaklarının Kayıt Altına Alınması* Hakkındaki Çalışmanın Değerlendirilmesi. Kırsal Çevre Yıllığı.] Review of Works for Registration of Plant Genetic Resources Important for Agriculture. Rural Environment Annual. 2008. p: 43-61
- Avciöglü-Dündar, B. Is life patentable? Living Beings and Industrial Property. Nezahat Gökyiğit Botanical Garden. 25 November 2009. İstanbul, Turkey] (Seminar)
- Avciöglü, B. [*Biyoteknolojik Buluşlar ve Genetik Kaynaklar*] Biotechnological Inventions and Genetic Resources. Congress of Recent Developments in Industrial Rights in European Union and Turkey. The Research Centre of Intellectual and Industrial Property (FISAUM). 10 October 2003. Ankara, Turkey (ISBN:975-482-682-X). p: 107-124
- Avciöglü, B. [*Genler ve Canlılar Patentlenebilir mi? Biyoteknolojik Buluşların Patentle Korunmasında Türkiye'deki Uygulama*] Are genes and living beings patentable? Implementation related with Patent Protection of Biotechnological Inventions in Turkey. (2002), Turkish Patent Institute Bulletin. Year: 1, No:4, p: 17-20.
- Avciöglü, B., Korkmaz, M. [*Faydalı Model mi, Tasarım mı?*] Utility Model or Industrial Design?, (2002), Turkish Patent Institute Bulletin. Year: 1, No:3, p: 20-21. (a discussion about confusion of utility models and industrial designs)
- Avciöglü, B. Biotechnological Inventions. Speciality Area Dissertation. January, 2001, Turkish Patent Institute, Ankara, Turkey

#### **MEMBERSHIP OF PROFESSIONAL BODIES**

The Research Association of Rural Environment and Forestry – RAREF (Kırsal Çevre ve Ormanlık Sorunları Araştırma Derneği-KIRSAL CEVRE) - [www.kirsalcevre.org](http://www.kirsalcevre.org)