

## Assoc. Prof. Abdulhamit Battal

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-6098-3908

Publons / Web Of Science ResearcherID: CFP-3214-2022

Yoksis Researcher ID: 146221

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji, Turkey  
2010 - 2016

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji, Turkey  
2007 - 2010

Undergraduate, Dokuz Eylul University, Buca Eğitim Fakültesi, Turkey 2000 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, TILLING for TtBH-1 Gene and Its Hybridization to Turkish Durum Wheat Cultivars Kızıltan-91 and Fuatbey-2000, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji, 2016

Postgraduate, Optimization of Mature Embryo Based Regeneration and Genetic Transformation of Turkish Wheat Cultivars, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji, 2010

### Research Areas

Agricultural Sciences, Agriculture, Infield Plants, Cereal Grains (wheat, oats, rye, corn, barley, millets, rice,etc.), Cool Climate Cereals, Alkaloidal Crops (tobacco,tea,coffee,cacao,poppies,cola nuts,chicory,marijuana,etc.), Medicinal Plants, Biotechnology and Genetics, Tissue and Organ Culture, Life Sciences, Plant Biology, Plant Breeding and Genetics, Biochemistry, Plant Biochemistry, Bioinformatics, Biological Information, Biotechnology, Plant Biotechnology, Molecular Biology and Genetics, Plant Molecular Genetics, Genetic Engineering, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2024 - Continues

Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2018 - 2024

Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - 2018

Research Assistant PhD, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji Bölümü, 2016 - 2016

Research Assistant PhD, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji, 2016 - 2016

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoteknoloji, 2007 - 2016

## Academic and Administrative Experience

Van Yüzüncü Yil University, Rektörlük - Unip, 2017 - Continues

Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - Continues

Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Teknolojisi, 2017 - Continues

Van Yüzüncü Yil University, Eczacılık Fakültesi, 2018 - 2019

Van Yüzüncü Yil University, Rektörlük - Eğitim Ve Öğretim Kalite Alt Komisyonu, Eğitim Ve Öğretim Kalite Alt Komisyonu, 2017 - 2018

Van Yüzüncü Yil University, Rektörlük - Eğitim Komisyonu, 2017 - 2018

## Advising Theses

Battal A., The investigation of the effects of salicylic acid on oxidative stress index and DNA protective activity of wheatgrass, Postgraduate, S.Demir(Student), 2020

Battal A., DEVE GÜLÜ BİTKİSİNİN İN VİTRO REJENERASYONU, FARKLI VEJETASYON DÖNEMLERİNDE VE STRES ŞARTLARINDA FİTOKİMYASAL İÇERİĞİNİN VE ANTIOKSİDAN KAPASİTESİNİN İNCELENMESİ, Doctorate, G.Görmez(Student), 2019

## Jury Memberships

Academic Staff Examination, Yardımcı Doçent Dil Jüri Üyeliği, Van Yüzüncü Yil Üniversitesi, November, 2017

Academic Staff Examination, Araştırma Görevlisi Sınav Jürisi, Van Yüzüncü Yil Üniversitesi, November, 2017

Academic Staff Examination, Yardımcı Doçent Dil Jüri Üyeliği, Van Yüzüncü Yil Üniversitesi, November, 2017

Academic Staff Examination, Araştırma Görevlisi Sınav Jürisi, Van Yüzüncü Yil Üniversitesi, November, 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **EXPLORING THE PROTECTIVE EFFECTS OF CHINAR (PLATANUS ORIENTALIS L.) LEAF ON TESTES DAMAGE INDUCED BY ETHANOL IN RAT MODEL**  
Yaman T., Doğan A., Keleş Ö. F., Dönmez F., Battal A., Anuk Ö. O.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.34, no.2, pp.374-386, 2024 (SCI-Expanded)
- II. **Ameliorative effects of Scutellaria Pinnatifida subsp. pichleri (Stapf) Rech.f. Extract in streptozotocin-induced diabetic rats: chemical composition, biochemical and histopathological evaluation**  
Bakaç M. S., Doğan A., Yılmaz M. A., Altındağ F., Dönmez F., Battal A.  
BMC Complementary Medicine and Therapies, vol.23, no.1, 2023 (SCI-Expanded)
- III. **EXPLORING THE AMELIORATIVE EFFECTS OF HYPERICUM SCABRUM L. ON A SURGICALLY-INDUCED ENDOMETRIOSIS RAT MODEL AND ITS PHYTOCHEMICAL LC-MS/MS- PROFILE**  
İlhan M., Kaptaner B., Battal A., Doğan A., Dönmez F., Yılmaz M. A., Eroğlu H.  
FARMACIA, vol.71, no.4, pp.710-721, 2023 (SCI-Expanded)
- IV. **Exploring of the ameliorative effects of Nerium (Nerium oleander L.) ethanolic flower extract in streptozotocin induced diabetic rats via biochemical, histological and molecular aspects**

Battal A., Doğan A., Uyar A., Demir A., Keleş Ö. F., Çelik İ., Baloglu M. C., Aslan A.

Molecular Biology Reports, vol.50, no.5, pp.4193-4205, 2023 (SCI-Expanded)

- V. **Exploring phytochemical constituents of *Achillea arabica* Kotschy. ethanolic flower extract by LC-MS/MS and its possible antioxidant and antidiabetic effects in diabetic rats**  
Hanalp H. C., Doğan A., Kuşman Saygı T., Dönmez F., Battal A.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.78, no.5-6, pp.189-199, 2023 (SCI-Expanded)
- VI. **EVALUATION OF THE IN VITRO AND IN VIVO EFFECTS OF THE ETHANOLIC LYOPHILIZED EXTRACT OBTAINED FROM PHOLIOTA AURIVELLA MUSHROOM ON CCl<sub>4</sub>-INDUCED TOXICITY IN RATS**  
Doğan A., Dalar A., Battal A., Uyar A., Sadullahoğlu C., Çelik İ., Uzun Y.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.12, pp.9503-9516, 2019 (SCI-Expanded)
- VII. **Gene editing and mutagenesis reveal inter-cultivar differences and additivity in the contribution of TaGW2homoeologues to grain size and weight in wheat**  
Wang W., SIMMONDS J., Pan Q., Davidson D., He F., Battal A., Akhunova A., Trick H. N., UAUY C., Akhunov E.  
THEORETICAL AND APPLIED GENETICS, vol.131, no.11, pp.2463-2475, 2018 (SCI-Expanded)
- VIII. **Investigation of the protective effects of horse mushroom (*Agaricus arvensis* Schaeff.) against carbon tetrachloride-induced oxidative stress in rats**  
Doğan A., Dalar A., SADULLAHOGLU C., Battal A., Uzun Y., Çelik İ., Demirel K.  
MOLECULAR BIOLOGY REPORTS, vol.45, no.5, pp.787-797, 2018 (SCI-Expanded)
- IX. **The Genetic Basis of Composite Spike Form in Barley and 'Miracle-Wheat'**  
POURSAREBANI N., SEIDENSTICKER T., KOPPOLU R., TRAUTIEWIG C., GAWRONSKI P., BINI F., GOVIND G., RUTTEN T., SAKUMA S., TAGIRI A., et al.  
GENETICS, vol.201, no.1, pp.155-193, 2015 (SCI-Expanded)
- X. **VECTOR CONSTRUCTION STRATEGIES FOR TRANSFORMATION OF WHEAT PLANT**  
Baloglu M. C., Battal A., Aydin G., EROĞLU A., Oz M. T., Kavas M., ÖKTEM H. A., YÜCEL M.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.23, no.3, pp.906-912, 2013 (SCI-Expanded)
- XI. **Synthesis and antibacterial activity of 4-benzoyl-1-(4-carboxy-phenyl)-5-phenyl-1H-pyrazole-3-carboxylic acid and derivatives**  
Bildirici İ., ŞENER A., ATALAN E., Battal A., Genç H.  
MEDICINAL CHEMISTRY RESEARCH, vol.18, no.5, pp.327-340, 2009 (SCI-Expanded)
- XII. **Antibacterial activity of some 4-pyridinone derivatives synthesized from 4-pyrones**  
ATALAN E., BIYIK H., Battal H., Özdemir K.  
Asian Journal of Chemistry, vol.20, no.1, pp.25-31, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effects of Cadmium Concentrations on Germination and Physiological Parameters in Tomato (*Solanum lycopersicum* Lam.)**  
BİNGÖL Ö., BATTAL A., EREZ M. E.  
Journal of agricultural production (Online), vol.4, no.2, pp.111-116, 2023 (Peer-Reviewed Journal)
- II. **The Investigation of the Effect of the Salicylic Acid on the Antioxidant Potential, Vitamin C Content and DNA Protection Activity of Wheatgrass (*Triticum aestivum* L.)**  
BATTAL A., DEMİR S.  
KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.25, no.2, pp.471-482, 2022 (Peer-Reviewed Journal)
- III. **Investigation of the allelopathic effects of lyophilized ethanol extract of *Xanthoparmelia somloensis* (Gyelnik) Hale lichen on tomato plant**  
BİNGÖL Ö., BATTAL A., EREZ M. E., ASLAN A.  
Anatolian Journal of Botany, vol.6, no.1, pp.39-43, 2022 (Peer-Reviewed Journal)
- IV. **Investigation of Neurotoxic and Immunotoxic Effects of the Chinar (*Platanus orientalis* L.) Tree Leaf**

### **Infusion Against Ethanol Toxicity in Rats**

Doğan A., Dönmez F., Battal A., Aslan A., Anuk Ö. O.

İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.2, pp.778-787, 2020 (Peer-Reviewed Journal)

- V. **The Investigation of in vitro callus formation, Regeneration and Micropropagation of Devegülü Hollyhock, a medicinal plant.**  
Görmez G., Battal A., Türker M.  
Caucasian Journal of Science, vol.6, no.2, pp.12-25, 2019 (Peer-Reviewed Journal)
- VI. **The Investigation of In Vitro Callus Formation, Regeneration and Micropropagation of Devegülü Hollyhock, a Medicinal Plant**  
GÖRMEZ G., BATTAL A., TÜRKER M.  
Caucasian Journal of Science, vol.6, no.2, pp.111-123, 2019 (Peer-Reviewed Journal)
- VII. **"Tıbbi Öneme Sahip Hatmiler İçin Etkili Bir Çimlendirme Yöntemi: Tohum Kabuğuna Çentik Atılması "**  
Battal A., Görmez G., Türker M.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.3, pp.843-851, 2019 (Peer-Reviewed Journal)
- VIII. **Devegülü Bitkisinin Farklı Vejetasyon Dönemlerindeki Mineral, Ağır Metal ve Protein İçeriğinin Belirlenmesi**  
GÖRMEZ G., BATTAL A., DALAR A., TÜRKER M.  
Caucasian Journal of Science, vol.6, no.1, pp.1-12, 2019 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **ÇINAR (Platanus orientalis L.) BİTKİSİNİN KULLANIM ALANLARI VE FARMAKOLOJİK ETKİLERİ**  
DOĞAN A., BATTAL A., DÖNMEZ F.  
in: SAĞLIK BİLİMLERİNDE GÜNCEL ARAŞTIRMALAR VE PRATİK BİLGİLER 2, UZUN YUSUF, DOĞAN ABDULHAD, BATTAL ABDULHAMİT, Editor, IKSAD PUBLISHING HOUSE, Ankara, pp.189-205, 2023
- II. **Diyabet ve Tedavisinde Kullanılan İlaçlar**  
BATTAL A., DOĞAN A., DÖNMEZ F.  
in: Sağlık Bilimlerinde Güncel Araştırmalar ve Pratik Bilgiler I, Yusuf Uzun, Abdullah Dalar, Abdulhamit Battal, Editor, IKSAD International Publishing House, pp.247-264, 2022
- III. **Urtica dioica L.**  
DOĞAN A., DÖNMEZ F., BATTAL A.  
in: Novel Drug Targets With Traditional Herbal Medicines, Fatma Tuğçe Güragaç Dereli, Mert İlhan, Tarun Belwal, Editor, Springer Cham, pp.553-563, 2022
- IV. **Diyabet Tedavisine Bitkisel Yaklaşım**  
BATTAL A., DOĞAN A., DÖNMEZ F.  
in: Sağlık Bilimlerinde Güncel Araştırmalar ve Pratik Bilgiler I, Yusuf Uzun, Abdullah Dalar, Abdulhamit Battal, Editor, IKSAD International Publishing House, pp.265-294, 2022
- V. **Horse mushroom (Agaricus arvensis Schaeff.) prevents oxidative stress in carbon tetrachloride toxicity**  
Doğan A., İlhan M., Battal A.  
in: Toxicology Oxidative Stress and Dietary Antioxidants, Vinood B. Patel, Victor R. Preedy, Editor, Elsevier Science, Oxford/Amsterdam, London, pp.541-549, 2021
- VI. **Veri Tabanları Kullanılarak Dizi Karşılaştırılması**  
BATTAL A.  
in: Biyoinformatik Temelleri ve Uygulamaları, Baloğlu Mehmet Cengiz, Editor, Pegem Akademi, Ankara, pp.46-63, 2020
- VII. **Veri Tabanları Kullanılarak Dizi Karşılaştırılması**  
Battal A.  
in: Biyoinformatik Temelleri ve Uygulamaları, Baloğlu M.C., Editor, Kastamonu Üniversitesi Basımevi, Kastamonu, pp.39-56, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization of VTE5 Gene in Bread Wheat (*Triticum aestivum* L.) and Its Partial Sequencing**  
Kılıç M., Battal A.  
7th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2024), Ankara, Turkey, 2 - 04 October 2024, pp.187
- II. **Determination of the Total Phenolic and Flavonoid Contents of Lyophilized Aqueous Extracts of Ribwort Plantain (*Plantago lanceolata* L.)**  
ALAY R., BATTAL A., DOĞAN A.  
5th International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey, 23 - 26 November 2023, pp.103-108
- III. **The Effects of Different Concentrations of Cadmium on Germination and Physiological Parameters in Tomato (*Solanum lycopersicum* Lam.)**  
Bingöl Ö., Battal A., Erez M. E.  
4 TH INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES 27-29 APRIL 2023 Sivas, TURKEY, Sivas, Turkey, 27 - 29 April 2023, pp.26
- IV. **The Effects of Magneto Priming on Bread Wheat Germination and Seedling Development**  
Battal A., Bingöl Ö., Erez M. E.  
4 TH INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Sivas, Turkey, 27 - 29 April 2023, pp.76-82
- V. **The Effects of Salicylic Acid on Some Physiological and Biochemical Parameters of Bread Wheat Cultivar Bezostaja -1 (*Triticum aestivum* L.)**  
Demir S., Battal A.  
III. INTERNATIONAL AGRICULTURAL, BIOLOGICAL & LIFE SCIENCE CONFERENCE - AGBIOL 2021, Edirne, Turkey, 1 - 03 September 2021, pp.203
- VI. **WATER EXTRACT OF *HELICHRYSUM PALLASII* (SPRENGEL) LEDEB. PREVENTS ROOT DEVELOPMENT OF TOMATO (*LYCOPERSICON ESCULENTUM*) AND COMMON PURSLANE (*PORTULACA OLEARECEA*)**  
Bingöl Ö., Battal A., Erez M. E.  
II. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 1 - 03 September 2020, pp.228
- VII. **Optimization of Mature Embryo Based Regeneration of Turkish Bread Wheat Cultivar Yüreğir-89 (*Triticum aestivum* L.)**  
Battal A., OKTEM H. A., YUCEL M.  
1ST INTERNATIONAL GOBEKLITEPE AGRICULTURAL CONGRESS, Şanlıurfa, Turkey, 25 - 27 November 2019, pp.201-206
- VIII. **Optimization of Mature Embryo Based regeneration of Mirzabey 2000 Cultivar (*Triticum turgidum durum* L.)**  
Battal A., OKTEM H. A., YUCEL M.  
2nd International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey, 8 - 11 November 2019, pp.177-192
- IX. **Determination of Chromosome Number and Sequencing of the TtBH-A1 Gene of Branched Wheat Grown in Marmaris**  
Battal A., Eroğlu H., Pınar S. M.  
1 st International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Turkey, 8 - 10 November 2019, pp.87-94
- X. **Nicking on Seed Coat Increases Germination Rate of Medicinally Important Devegülü Marshmallow Plant**  
Battal A., Görmez G., Türker M.  
2nd International Conference on Food, Agriculture and Animal Sciences, Antalya, Turkey, 8 - 11 November 2019, pp.193-202
- XI. **MODIFIED PARTICLE BOMBARDMENT LOADING SYSTEM INCREASES GENETIC TRANSFORMATION EFFICIENCY**

Battal A., OKTEM H. A., YUCEL M.

International Engineering and Natural Sciences Conference (IENSC 2019), Diyarbakır, Turkey, 6 - 08 November 2019, pp.10

- XII. **The Search of Neurotoxic and Immunotoxic Effects of The Chinar (Platanus Orientalis L.) Tree Leaf Infusion Against Ethanol Toxicity in Rats**  
Dönmez F., Doğan A., Battal A.  
I. International Aromatic Plants and Costmetics Symposium, Iğdır, Turkey, 3 - 06 October 2019, pp.10-11
- XIII. **Chemical Compounds Profile of Pholliota aurivella Extract and Its Potential Effects on Serum Biochemical Parameters**  
DOĞAN A., DALAR A., BATTAL A., SADULLAHOĞLU C., DEMİREL K., ÇELİK İ., UZUN Y.  
7th International Congress on Molecular Biology and Biotechnology, Konya, Turkey, 25 - 27 April 2018, pp.393
- XIV. **Effects of the Mushroom Extract (Agaricus arvensis Schaeff.) on Serum Biochemical Parameters Against CCl4 -induced Oxidative Stress in Rats**  
Doğan A., Dalar A., Battal A., Sadullahoğlu C., Demirel K., Çelik İ., Uzun Y.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.364
- XV. **Vaccine Production From Plants**  
Battal A.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.20
- XVI. **Effect of Vegetation Time on Antioxidant Potential of Devegülü Plant (Hollyhock) Grown in Van**  
Görmez G., Dalar A., Battal A., Türker M.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.38
- XVII. **Branched Wheat Grown in Marmaris Produces More Spikelets and Grains**  
Battal A., Eroğlu H., Pınar S. M.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.7
- XVIII. **Preliminary In-vitro Tissue Culture Studies on Devegülü, A Medicinal Plant from Van**  
Görmez G., Battal A., Dalar A., Türker M.  
I. International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.31
- XIX. **The Evaluation of Physiological and Biochemical Responses of Some Durum Wheat (Triticum turgidum L. var durum) Cultivars Against Salt Stress**  
Yılmaz C., Battal A.  
EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.212
- XX. **A new perspective to produce biopharmaceuticals: Molecular Pharming**  
Battal A., Doğan A., Aslan A.  
7th International Congress on Molecular Biology and Biotechnology, Konya, Turkey, 25 - 27 April 2018, pp.392
- XXI. **Pre-Yield Analysis of Kronos Durum Wheat Using Speed Breeding Technology**  
Battal A.  
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.149
- XXII. **TILLING for Drought and Salt Tolerance (DST) Gene in Tetraploid Wheat (SÖZLÜ BİLDİRİ)**  
Battal A., UAUY C.  
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Nevşehir, Turkey, 15 - 17 May 2017, pp.778
- XXIII. **Speed Breeding Technology in Laboratory for Spring Wheat (SÖZLÜ BİLDİRİ)**  
Battal A.  
International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Nevşehir, Turkey, 15 - 17 May 2017, pp.779
- XXIV. **Bazı Makarnalık Buğday Çeşitlerinin Başakçık Sayısını Artıran Mutant TtBH-A1 Geni ile Islah Edilmesi**  
Battal A., SIMMONDS J., UAUY C., OKTEM H. A., YUCEL M.  
18. Ulusal Biyoteknoloji Kongresi, Konya, Turkey, 18 - 19 December 2015, pp.182
- XXV. **Mutation on FZP (FRIZZY PANICLE) leads to increased Spikelet number in Durum Wheat**  
Battal A., SIMMONDS J., UAUY C.  
SEB's 2015 Annual Main Meeting, Prag, Czech Republic, 30 June - 03 July 2015, pp.192

- XXVI. **Particle bombardment transformation of some Turkish wheat cultivars with TaNAC69-1 and TtNAMB2 genes**  
Battal A., BALOGLU M. C., KAVAS M., YUCEL M., OKTEM H. A.  
15th European Congress on Biotechnology, İstanbul, Turkey, 23 - 26 September 2012, pp.173
- XXVII. **Physiological and biochemical effects of boron toxicity on local cultivars of lentil (*Lens culinaris*)**  
İnan Genç A., Jahya E., Atlıgan S., Patr G., Ünal Y., OZ M. T., BALOGLU M. C., Ercan Akca O., Battal A., OKTEM H. A., et al.  
9th PlantGEM (Plant Genomics European Meeting), İstanbul, Turkey, 4 - 07 May 2011, pp.52
- XXVIII. **Cloning of Wheat NAC-Type Transcription Factors and Agrobacterium Mediated Transformation of Wheat Mature and Immature Embryos**  
BALOGLU M. C., KAVAS M., OZ M. T., Battal A., EROGLU A., Kayhan C., OKTEM H. A., YUCEL M.  
Plant Transformation Technologies II, Viyana, Austria, 19 - 22 February 2011, pp.71
- XXIX. **NAC Tipi Transkripsiyon Faktörlerinin Monokot Ekspresyon Vektörüne Klonlanması**  
EROGLU A., BALOGLU M. C., Kalemtaş G., Kayhan C., Aysin F., Battal A., OKTEM H. A., YUCEL M.  
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.157-158
- XXX. **NAC69-1 ve NAM-B2 Genlerinin Buğdaydan İzolasyonu ve Karakterizasyonu**  
BALOGLU M. C., Kalemtaş G., EROGLU A., Battal A., Aysin F., Kayhan C., OKTEM H. A., YUCEL M.  
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 13 - 16 December 2009, pp.92-95
- XXXI. **NAC69-1 ve NAM-B2 Genlerinin İkili Dikot Vektöre Klonlanması ve Agrobacterium'a Aktarılması**  
BALOGLU M. C., Kalemtaş G., EROGLU A., Battal A., OKTEM H. A., YUCEL M.  
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 13 - 16 December 2009, pp.96-98
- XXXII. **Serratia marcescens'e Ait Kitinaz A Geninin Tütün Bitkisine Aktarılması**  
Okay S., BALOGLU M. C., EROGLU A., Battal A., Özcengiz G., OKTEM H. A., YUCEL M.  
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 13 - 16 December 2009, pp.14-15
- XXXIII. **Buğday TaNAC69-1 Geni için RNAi (RNA Müdahale) Vektörünün Oluşturulması**  
Aysin F., Kayhan C., BALOGLU M. C., Kalemtaş G., EROGLU A., Battal A., OKTEM H. A., YUCEL M.  
XVI. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 13 - 16 December 2009, pp.8-9
- XXXIV. **Cloning of Wheat (*Triticum aestivum*) TaNAC69-1 Gene and Transformation of Wheat Inflorescence by Particle Bombardment**  
BALOGLU M. C., Kalemtaş G., EROGLU A., Battal A., OKTEM H. A., YUCEL M.  
International Symposium on Biotechnology: Development and Trends, Ankara, Turkey, 27 - 30 September 2009, pp.23

## Supported Projects

- Doğan A., Bingöl Ö., Battal A., Dönmez F., Project Supported by Higher Education Institutions, Gökbaşı (Cyanus depressus (M.Bieb) Sojck) Bitkisinden Gümüş Nanoparçacıkların Sentezlenmesi Karakterizasyonu ve Biyolojik Aktivitelerinin Araştırılması, 2023 - Continues
- Bingöl Ö., Erez M. E., Battal A., Project Supported by Higher Education Institutions, Farklı Kadmiyum Konsantrasyonları Uygulanan Domates (*Solanum lycopersicum* L.) Bitkisinde Liken Ekstraktının (*Xanthoparmelia somloensis* (Gyel.) Hale) Biyoremediasyon Potansiyelinin Araştırılması, 2021 - 2023
- Battal A., Aslan A., Doğan A., Türkmen Ö., Yılmaz C., Konuş M., BALOĞLU M. C., Project Supported by Higher Education Institutions, İçeriği Zenginleştirilecek Tosunbey Buğday Çeşidinin (*Triticum aestivum*) Çim Ekstresinden Farmasötik Ürün Prototiplerinin Üretilmesi, 2019 - 2023
- Battal A., ADIYAMAN A., İlhan M., Project Supported by Higher Education Institutions, Buğday Çimi Ekstresinin Ratlarda Cerrahi Olarak Oluşturulmuş Endometriyoz Modeli Üzerindeki Etkilerinin Araştırılması, 2021 - 2022
- İlhan M., Eroğlu H., Kaptaner B., Battal A., Doğan A., Project Supported by Higher Education Institutions, *Hypericum scabrum* L bitkisinin ratlarda cerrahi olarak oluşturulmuş endometriyoz modeli üzerindeki etkilerinin araştırılması, 2021 - 2022
- Battal A., KILIÇ M., Project Supported by Higher Education Institutions, EKMEKLİK BUĞDAYDA (*Triticum aestivum* L.)

FİTOL KİNAZ GENİNİN EKSPRESYONUNUN ARAŞTIRILMASI, 2020 - 2021

Battal A., Project Supported by Higher Education Institutions, Mirzabey buğday çeşidinin olgun embriyo kaynaklı doku kültürünün rejenerasyonunu optimize edilmesi, 2019 - 2020

Battal A., KIZILARSLAN S., Project Supported by Higher Education Institutions, Farklı Salisilik Asit Konsantrasyonlarının Bezostaja Buğday Çiminin Oksidatif İndeksine ve DNA Koruyucu Aktivitesine Etkileri, 2019 - 2020

Battal A., Project Supported by Higher Education Institutions, Van Yöresinden Bazı Tıbbi Bitkilerin Tohumlarının Toplanması, 2018 - 2019

Battal A., TÜRKER M., GÖRMEZ G., Project Supported by Higher Education Institutions, DEVE GÜLÜ BİTKİSİNİN İN VİTRO REJENERASYONU, FARKLI VEJETASYON DÖNEMLERİNDE VE STRES ŞARTLARINDA FİTOKİMYASAL İÇERİĞİNİN VE ANTİOKSİDAN KAPASİTESİNİN İNCELENMESİ, 2017 - 2019

Battal A., Pınar S. M., Eroğlu H., Project Supported by Higher Education Institutions, Marmaris Yöresinde Tespit Edilen Dallanmış Başak Yapısına Sahip Buğdayın Araştırılması, 2017 - 2019

Battal A., Aslan A., Doğan A., BALOĞLU M. C., Project Supported by Higher Education Institutions, Farklı Dozlarda ki Zakkum Nerium oleander Çiçeği Ekstraktlarının Diyabetli Sıçanlarda GLUT2 Gen Ekspresyon Seviyeleri Üzerine Etkilerinin Araştırılması, 2017 - 2019

Battal A., Project Supported by Higher Education Institutions, Chia Salvia hispanica L Tohumlarının Çimlenme Testlerinin Araştırılması, 2017 - 2017

Doğan A., Battal A., SADULLAHOĞLU C., Çelik İ., Uzun Y., Dalar A., Demirel K., Project Supported by Higher Education Institutions, CCI4 İle Oksidatif Stres Oluşturulan Sıçanlarda Agaricus arvensis Ve Pholiota aurivella Mantar Türlerinin Antioksidan Etkilerinin İn vitro Ve İn vivo Olarak Belirlenmesi, 2016 - 2017

Battal A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Türk Buğday Çeşitlerinin Olgunlaşmış Embriyo Kaynaklı Rejenerasyonunun ve Genetik Transformasyonunun Optimize Edilmesi, 2009 - 2010

## Memberships / Tasks in Scientific Organizations

Society of Experimental Biology, Member, 2015 - 2016

Türkiye Biyoteknoloji Derneği, Member, 2008 - 2016

Federation of European Biochemical Societies, Member, 2009 - 2010

## Scientific Refereeing

Kastamonu University Journal of Engineering and Sciences, National Scientific Refreed Journal, December 2019

Turkish Journal of Biology, SCI Journal, August 2019

Kastamonu University Journal of Engineering and Sciences, National Scientific Refreed Journal, June 2019

Turkish Journal of Biology, SCI Journal, June 2019

Kastamonu University Journal of Forestry Faculty, SCI Journal, April 2019

Turkish Journal of Botany, SCI Journal, February 2019

Turkish Journal of Biology, SCI Journal, May 2018

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Turkish journal of biology, SCI Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, July 2017

Vegetos, Other Indexed Journal, June 2017

Vegetos, Other Indexed Journal, June 2017

Vegetos, Other Indexed Journal, June 2017



Vegetos, Other Indexed Journal, June 2017  
Turkish journal of biology, SCI Journal, June 2017  
Vegetos, Other Indexed Journal, May 2017  
Turkish journal of biology, SCI Journal, October 2016  
Turkish journal of biology, SCI Journal, October 2016  
Turkish journal of biology, SCI Journal, October 2016  
Turkish journal of biology, SCI Journal, October 2016

## **Scientific Research / Working Group Memberships**

BATTAL LAB, VAN YÜZÜNCÜ YIL ÜNİVERSİTESİ, Turkey, <http://hamitbattal.wixsite.com/battallab/about>, 2016 - Continues  
International Wheat Genome Sequencing Consortium, International Wheat Genome Sequencing Consortium, Belgium, 2015 - Continues

## **Metrics**

Publication: 65  
Citation (WoS): 177  
Citation (Scopus): 257  
H-Index (WoS): 4  
H-Index (Scopus): 5

## **Congress and Symposium Activities**

International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF 2017), Session Moderator, Nevşehir, Turkey, 2017

## **Scholarships**

Öğretim Üyesi Yetiştirme Programı, Other Government Agencies, 2006 - 2016  
Yurt Dışı Doktora Sırası Uluslararası Araştırma Bursu, TÜBİTAK, 2013 - 2014

## **Awards**

Battal A., Doktora Öğrencileri İçin Seyahat Bursu, Society of Experimental Biology, June 2015  
Battal A., Ders Performans Ödülü, ODTÜ, May 2012

## **Non Academic Experience**

State Agency, John Innes Centre  
John Innes Centre