

Assoc. Prof. Abdulahad Dođan

Personal Information

Office Phone: +90 432 444 5065 Extension: 21127

Email: abduhaddogan@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/abduhaddogan>

International Researcher IDs

ORCID: 0000-0002-5438-8560

Yoksis Researcher ID: 14304

Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Biyoloji/Genel Biyoloji, Turkey 2011 - 2015

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Biyoloji/Genel Biyoloji, Turkey 2008 - 2010

Undergraduate, Van Yüzüncü Yil University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 2005 - 2008

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Course, DENEY HAYVANLARI KULLANIM SERTİFİKASI, ATATÜRK ÜNİVERSİTESİ, 2013

Vocational Course, KLİNİK LABORATUVARDA ELEKTROFOREZ UYGULAMALARI KURSU, TÜRK BİYOKİMYA DERNEĞİ, 2013

IT, BİLGİSAYAR KURSU, T.C VAN İLİ MERKEZ İLÇESİ ÖZEL DÖMER YABANCI DİL BİLGİSAYAR KURSU, 2006

Dissertations

Doctorate, Deneysel diyabet oluşturulan sıçanlarda bazı bitki ekstraktlarının iyileştirici etkilerinin araştırılması, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji/Genel Biyoloji (Biyokimya), 2015

Postgraduate, Etil Alkol İle Deneysel Oksidatif Stres Oluşturulan Sıçanlarda Üzüm (Vitis vinifera L.) Çekirdeğinin Karaciğer Koruyucu ve Antioksidan Rolünün Belirlenmesi, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji/Genel Biyoloji (Biyokimya), 2010

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Basic Sciences of Pharmacy, Biochemistry, Life Sciences, Biochemistry, Enzymology, Natural Sciences

Academic Titles / Tasks

Associate Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2019 - Continues
Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimleri, 2016 - 2019
Research Assistant, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji Bölümü, 2011 - 2016

Academic and Administrative Experience

Van Yüzüncü Yil University, Eczacılık Fak., Eczacılık Temel Bilimleri Bölümü, 2019 - Continues
Van Yüzüncü Yil University, Eczacılık Fak., Eczacılık Temel Bilimleri , 2018 - Continues
Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Temel Bilimler Bölümü, 2016 - Continues

Advising Theses

Doğan A., Yılmaz M. A., Determination of content analysis of scullcap (*Scutellaria orientalis* L. subsp. *pichleri*) plant ethanolic extract by LC-MS/MS and investigation of the therapeutic effects of the extract in diabetic rats, Postgraduate, M.SALİH(Student), 2022
Kaptaner B., Doğan A., BİSFENOL S'NİN ERKEK RATLARDA TİROİD BEZİ ÜZERİNDEKİ TOKSİK ETKİLERİNİN ARAŞTIRILMASI, Postgraduate, M.BOSTANCI(Student), 2022
Kaptaner B., Doğan A., BİSFENOL F'NİN ERKEK RATLARDA PANKREAS ÜZERİNDEKİ TOKSİK ETKİLERİNİN ARAŞTIRILMASI, Postgraduate, E.DOĞAN(Student), 2022
Doğan A., Kaptaner B., STREPTOZOTOSİN İLE DİYABET OLUŞTURULAN SIÇANLARDA GÖKBAŞ (*Cyanus depressus*) BİTKİ ÇİÇEĞİ EKSTRAKTININ ANTİDİYABETİK VE ANTİOKSİDAN ETKİLERİNİN ARAŞTIRILMASI, Postgraduate, K.ERDEM(Student), 2021
Doğan A., Investigation of the phytochemical composition and antioxidant effects of Southern grape Hyacinth (*Muscari neglectum* Guss. Ex ten.) plant extract against CCl₄-induced oxidative stress in rats, Specialty In Pharmacy, A.EROĞLU(Student), 2021
Doğan A., Investigation of the effects of three different generations of fluoroquinolone derivatives on antioxidant and immunotoxic enzyme levels in different rat tissues, Postgraduate, F.Dönmez(Student), 2021
Doğan A., Streptozotosin ile diyabet oluşturulan ratlarda hanzabel (*Achillea arabica*) bitki ekstraktının antidiyabetik ve antioksidan etkilerinin araştırılması, Postgraduate, H.Ceren(Student), 2019
Doğan A., Etil Alkol ile Oksidatif Stres Oluşturulan Sıçanlarda Çınar (*Platanus orientalis* L.) Yaprak İnfüzyonunun Doku Koruyucu Rolü ve Fitokimyasal İçeriğinin Araştırılması, Postgraduate, Ö.Ozan(Student), 2018
Doğan A., CCl₄ İLE DENEYSEL OKSİDATİF STRES OLUŞTURULAN SIÇANLARDA *Lactarius deliciosus* VE *Agrocybe cylindracea* TÜRLERİNİN KARACİĞER KORUYUCU VE ANTİOKSİDAN ROLLERİNİN BELİRLENMESİ, Postgraduate, S.HASAR(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Histopathological and Biochemical Alterations in the Adrenal Gland of Male Rats Exposed to Bisphenol F**
Kaptaner B., Doğan A., Yılmaz C., Aykut H., Doğan E., Babat C., Dönmez F.
Biology Bulletin, vol.51, no.4, pp.873-882, 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 Sayğı 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. **Investigation of the phytochemical composition and remedial effects of southern grape hyacinth (Muscari neglectum Guss. ex Ten.) plant extract against carbon tetrachloride-induced oxidative stress in rats**
Eroglu A., Doğan A.
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.3, pp.491-502, 2023 (SCI-Expanded)
- VII. **Ameliorative role of Cyanus depressus (M.Bieb.) Soják plant extract against diabetes-associated oxidative-stress-induced liver, kidney, and pancreas damage in rats**
Duman K. E., Doğan A., Kaptaner B.
JOURNAL OF FOOD BIOCHEMISTRY, vol.00, no.e14314, 2022 (SCI-Expanded)
- VIII. **Histochemical changes, cellular dynamics and antioxidant responses in the corpuscles of Stannius of the female Lake Van fish (Alburnus tarichi Güldenstädt, 1814) (Cyprinidae) during migration from highly alkaline and brackish water to freshwater**
Kaptaner B., Doğan A., Aykut H., Yıldız F., Dönmez F., Doğan E.
Aquaculture Research, vol.53, pp.2959-2969, 2022 (SCI-Expanded)
- IX. **The protective effects of the Lactarius deliciosus and Agrocybe cylindracea mushrooms on histopathology of carbon tetrachloride induced oxidative stress in rats**
Doğan A., UYAR A., Hasar S., Keleş Ö. F.
BIOTECHNIC & HISTOCHEMISTRY, vol.97, no.2, pp.143-151, 2022 (SCI-Expanded)
- X. **Consumption of the Syrian mesquite plant (Prosopis farcta) fruit and seed lyophilized extracts may have both protective and toxic effects in STZ-induced diabetic rats**
AGIRMAN E., Çelik İ., Doğan A.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, vol.128, no.4, pp.887-896, 2022 (SCI-Expanded)
- XI. **The Protective Role of Urtica dioica Seed Extract Against Azoxymethane-Induced Colon Carcinogenesis in Rats**
Uyar A., Doğan A., Yaman T., Keleş Ö. F., Yener Z., Çelik İ., Alkan E. E.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.74, no.1, pp.306-319, 2022 (SCI-Expanded)
- XII. **Investigation of the effects of three different generations of fluoroquinolone derivatives on antioxidant and immunotoxic enzyme levels in different rat tissues**
Dönmez F., Doğan A.
Drug And Chemical Toxicology, vol.44, no.6, pp.1-13, 2021 (SCI-Expanded)
- XIII. **Determination of Tissue Protective and Antioxidant Activities of Two Medicinal Mushrooms from Turkey against CCl4-Induced Experimental Oxidative Stress in Rats**
Hasar S., Doğan A., Demirel K.
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS, vol.22, no.7, pp.671-681, 2020 (SCI-Expanded)
- XIV. **Investigation of the phytochemical composition and antioxidant properties of chinar (Platanus orientalis L.) leaf infusion against ethanol-induced oxidative stress in rats**
Doğan A., ANUK O. O.
MOLECULAR BIOLOGY REPORTS, vol.46, no.3, pp.3049-3061, 2019 (SCI-Expanded)
- XV. **EVALUATION OF THE IN VITRO AND IN VIVO EFFECTS OF THE ETHANOLIC LYOPHILIZED EXTRACT OBTAINED FROM PHOLIOTA AURIVELLA MUSHROOM ON CCl4-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)
- XVI. **Variations in the lipid peroxidation and antioxidant biomarkers in some tissues of anadromous cyprinid fish during migration**
Kaptaner B., Doğan A.
CELLULAR AND MOLECULAR BIOLOGY, vol.65, no.3, pp.58-65, 2019 (SCI-Expanded)
- XVII. **Screening in vivo antioxidant and haematological properties of sumac and acorn bioactive rich extracts**
Dalar A., Doğan A., Bengü A. S., MUKEMRE M., Çelik İ.
INDUSTRIAL CROPS AND PRODUCTS, vol.124, pp.20-27, 2018 (SCI-Expanded)
- XVIII. **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)
- XIX. **Lyophilized Extract of the Horse Mushroom, *Agaricus arvensis* (Agaricomycetes), Delays Erythrocyte Hemolysis and Stabilizes Some Blood Parameters in Carbon Tetrachloride-Intoxicated Rats**
Doğan A.
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS, vol.20, no.10, pp.909-918, 2018 (SCI-Expanded)
- XX. **IS METHOTREXATE-INDUCED TESTICULAR DAMAGE PREVENTABLE USING NETTLE SEED EXTRACT: A HISTOPATHOLOGICAL, IMMUNOHISTOCHEMICAL, BIOCHEMICAL AND SPERMATOLOGICAL EXAMINATION**
Uyar A., Yaman T., Doğan A., Uslu S., Keleş Ö. F., Yener Z., Çelik İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.4, pp.2320-2331, 2018 (SCI-Expanded)
- XXI. **Nephroprotective hepatoprotective potential and antioxidant role of carob pods (*Cerotonia siliqua* L.) against carbon tetrachloride-induced toxicity in rats**
Suzek H., Çelik İ., Doğan A.
Indian Journal of Pharmaceutical Education and Research, vol.51, no.2, pp.312-320, 2017 (SCI-Expanded)
- XXII. **PROTECTIVE EFFECTS OF OMEGA-3 AGAINST ACUTE TRIBUTYL TIN TOXICITY IN RAT**
Doğan A., Arihan O., Erkeç Ö. E., Çelik İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.4, pp.3067-3076, 2017 (SCI-Expanded)
- XXIII. **Alterations in histology and antioxidant defense system in the testes of the lake Van fish (*Alburnus tarichi* Guldenstadt, 1814)**
Kaptaner B., Kankaya E., Doğan A., Durmuş A.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.188, no.8, 2016 (SCI-Expanded)
- XXIV. **Protective effects of *Urtica dioica* seed extract in aflatoxicosis: histopathological and biochemical findings.**
Uyar A., Yener Z., Dogan A.
British poultry science, vol.57, pp.235-45, 2016 (SCI-Expanded)
- XXV. **Protective effect and antioxidant role of sweetgum (*Liquidambar orientalis*) oil against carbon tetrachloride-induced hepatotoxicity and oxidative stress in rats**
Suzek H., Çelik İ., Doğan A., Yildirim S.
PHARMACEUTICAL BIOLOGY, vol.54, no.3, pp.451-457, 2016 (SCI-Expanded)
- XXVI. **Healing effects of sumac (*Rhus coriaria*) in streptozotocin-induced diabetic rats**
Doğan A., Çelik İ.
PHARMACEUTICAL BIOLOGY, vol.54, no.10, pp.2092-2102, 2016 (SCI-Expanded)
- XXVII. **Antidiabetic properties of lyophilized extract of acorn (*Quercus brantii* Lindl.) on experimentally STZ-induced diabetic rats**
Doğan A., Çelik İ., Kaya M. S.
JOURNAL OF ETHNOPHARMACOLOGY, vol.176, pp.243-251, 2015 (SCI-Expanded)
- XXVIII. **Determination of Hepatoprotective and Antioxidant Role of Walnuts Against Ethanol-Induced**

Oxidative Stress in Rats

BATI B., Çelik İ., Doğan A.

CELL BIOCHEMISTRY AND BIOPHYSICS, vol.71, no.2, pp.1191-1198, 2015 (SCI-Expanded)

XXIX. **TOXICITY OF BISPHENOL A DURING THE EARLY LIFE STAGES OF CHALCALBURNUS TARICHI (PALLAS, 1811)**

Kankaya E., Kaptaner B., Doğan A., Çelik İ.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, pp.977-985, 2015 (SCI-Expanded)

XXX. **Hepatoprotective and antioxidant activities of grapeseeds against ethanol-induced oxidative stress in rats**

Doğan A., Çelik İ.

BRITISH JOURNAL OF NUTRITION, vol.107, no.1, pp.45-51, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Toxic Effects of Bisphenol F on Rat Pancreas**
Doğan E., Kaptaner B., Doğan A.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.2, pp.436-451, 2022 (Peer-Reviewed Journal)
- II. **Protective Effects of Lyophilized Ethanolic Extract of Achillea arabica Kotschy. on the Islet β Cells of Streptozotocin-Induced Diabetic Rats**
Hanalp H. C., Kaptaner B., Doğan A.
Journal Of Agriculture and Nature, vol.24, no.4, pp.689-700, 2021 (Peer-Reviewed Journal)
- III. **Investigation of the Antioxidant and Immunotoxic Effects of Oleander (Nerium oleander L.) Flower Extract on Lung and Spleen Tissue on STZ- Induced Diabetes in Rats**
Doğan A., Çelik İ.
Doğu Fen Bilimleri Dergisi / Journal of Natural & Applied Sciences of East, vol.3, no.2, pp.73-82, 2020 (Peer-Reviewed Journal)
- IV. **Evaluation of the Erythrocyte Fragility, Haematological Parameters and Antioxidant Properties of Platanus orientalis Leaf Infusion Against Ethanol Toxicity in Rats**
Doğan A., Dönmez F., Anuk Ö. O.
Alinteri Journal of Agriculture Science, vol.35, no.1, pp.22-28, 2020 (ESCI)
- V. **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.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.2, pp.778-787, 2020 (Peer-Reviewed Journal)
- VI. **Investigation of the Erythrocyte Fragility, Hematological and Antioxidant Effects of Oleander (Nerium oleander L.) Flower Ethanolic Lyophilized Extract in Diabetic Rats**
Doğan A.
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.23, no.6, pp.1495-1502, 2020 (Peer-Reviewed Journal)
- VII. **CCI4 İle Oksidatif Stres Oluşturulan Sıçanlarda Pholiota aurivella Liyofilize Ekstrenin Bazı Biyokimyasal ve Hematolojik Parametrelere Etkisi**
Doğan A.
MANTAR DERGİSİ/The Journal of Fungus, vol.9, no.1, pp.58-66, 2018 (Peer-Reviewed Journal)
- VIII. **Oxidative Damage in Some Tissues of Van Fish (Alburnus tarichi Guldenstädt, 1814) Having Abnormal Ovary**
Özok N., Oğuz A. R., Doğan A., Doğan A., Ergöz B.
YYÜ TAR BİL DERG (YYU J AGR SCI), vol.3, no.27, pp.447-452, 2017 (Peer-Reviewed Journal)
- IX. **Oxidative damage in some tissues of van fish (Alburnus tarichi guldenstädt, 1814) having abnormal ovary**
Özok N., OĞUZ A. R., Doğan A., ERGÖZ B.

- Yuzuncu Yil University Journal of Agricultural Sciences, vol.27, no.3, pp.447-452, 2017 (Peer-Reviewed Journal)
- X. **Oxidative damage in some tissues of van fish (*Alburnus tarichi güldenstädt, 1814*) having abnormal ovary Anormal gonadlı van balığının (*Alburnus tarichi güldenstädt, 1814*) bazı dokularında oksidatif hasarın belirlenmesi**
Özok N., Oğuz A. R., Doğan A., ERGÖZ B.
Yuzuncu Yil University Journal of Agricultural Sciences, vol.27, no.3, pp.447-452, 2017 (Scopus)
- XI. **Streptozotosin İle Diyabet Oluşturulan Sıçanlarda Meşe Palamudu (*Quercus Branti Lindl.*) Ekstraktının Karaciğer Ve Pankreası Koruyucu Etkileri**
Yaman T., Doğan A.
Dicle Üniv Vet Fak Derg, vol.2, no.1, pp.15-18, 2016 (Peer-Reviewed Journal)
- XII. **Histopathology and oxidative stress in the liver of *Chalcalburnus tarichi* living in Lake Van, Turkey**
Kaptaner B., Kankaya E., Doğan A., Çelik İ.
Life Science Journal Acta Zhengzhou University Overseas Edition, vol.11, no.8, pp.66-77, 2014 (Scopus)

Books & Book Chapters

- I. **NAR MEYVE KABUĞUNUN FİTOKİMYASAL İÇERİĞİ VE FARMAKOLOJİK ETKİLERİNİN İNCELENMESİ**
DOĞAN A., DÖNMEZ F.
in: SAĞLIK BİLİMLERİNDE GÜNCEL ARAŞTIRMALAR VE PRATİK BİLGİLER 2, UZUN YUSUF, DOĞAN ABDULAHAD, BATTAL ABDULHAMİT, Editor, IKSAD PUBLISHING HOUSE, Ankara, pp.251-268, 2023
- II. **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 ABDULAHAD, BATTAL ABDULHAMİT, Editor, IKSAD PUBLISHING HOUSE, Ankara, pp.189-205, 2023
- III. **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
- IV. ***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
- V. **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
- VI. **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, PATEL VINOOD B, PREEDY VICTOR R, Editor, ELSEVIER ACADEMIC PRESS, Londrina, pp.541-549, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Phytochemical content analysis and biological effects of bitter almond (*Amygdalus communis L.*) seed ethanolic lyophilized extract**
Doğan A.
7th International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 2 - 04 October 2024, pp.584-587

- 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. **Determination of the Total Phenolic and Flavonoid Contents of *Alcea hohenackeri* Boiss. Flower in n-Hexane, Ethyl Acetate, Methanol and Water Extracts**
OLCAY H. C., DOĞAN A.
5 th International Conference on Food, Agriculture and Animal Sciences (ICOFAAS 2023), Antalya, Turkey, 23 - 26 November 2023, pp.14
- IV. **New Insights for The Treatment of Diabetes**
DOĞAN A., İLHAN M.
4th International Conference on Food, Agriculture and Animal Sciences, Sivas, Turkey, 27 - 29 April 2023, pp.315-318
- V. **Evaluation of the Toxicity Test of Southern Grape Hyacinth (*Muscari neglectum* Guss. ex Ten.) Plant Extracts in Wistar albino Rats**
EROGLU A., DOĞAN A.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Turkey, 23 - 25 November 2022, pp.60
- VI. **INVESTIGATION OF THE ANTIOXIDATIVE EFFECTS OF GRAPE HYACINTH (*Muscari neglectum* Guss. Ex Ten.) PLANT EXTRACT ON CCL4-INDUCED LIVER AND RENAL DAMAGE IN RATS**
Eroğlu A., Doğan A., Dönmez F., Kaptaner B.
IV - INTERNATIONAL CONFERENCE OF FOOD, AGRICULTURE, AND VETERINARY SCIENCES, Van, Turkey, 27 - 28 May 2022, pp.78-79
- VII. **HANZABEL (*Achillea arabica* Kotschy.) ÇİÇEK LİYOFİLİZE EKSTRAKTİNİN İN VİVO ANTİOKSİDAN ÖZELLİKLERİNİN DİYABETİK RATLARDA ARAŞTIRILMASI**
Doğan A., HANALP H. C.
5 th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Van, Turkey, 20 - 22 December 2019
- VIII. **DİYABETİK RATLARDA HANZABEL (*Achillea arabica* Kotschy.) BİTKİ EKSTRAKTİNİN ANTİDİYABETİK ETKİLERİNİN ARAŞTIRILMASI**
Doğan A., HANALP H. C.
5 th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Van, Turkey, 20 - 22 December 2019
- IX. **Partly Regeneration / Repairing Impact of Lyophilized Ethanolic Extract of *Achillea arabica* Kotschy. in the Islets of Langerhans Against Streptozotocin-induced Diabetic Rats**
Kaptaner B., Doğan A., Hanalp H. C.
2nd International Conference on Food Agriculture and Animal Sciences, Antalya, Turkey, 8 - 11 November 2019, pp.50
- X. **Evaluation of the Hematological Parameters, Erythrocyte Fragility and Antioxidant Status of Chinar (*Platanus orientalis*) Leaf Infusion Against Ethanol Toxicity in Rats**
Doğan A., Dönmez F.
2 ND INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Antalya, Turkey, 8 - 11 November 2019, pp.49
- XI. **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
- XII. **DETERMINATION OF LUNG PROTECTIVE ROLE AND ANTIOXIDANT EFFECTS OF *Agaricus arvensis* AND *Pholiota aurivella* MUSHROOM SPECIES AGAINST CCL4-INDUCED EXPERIMENTAL OXIDATIVE STRESS IN RATS**

Doğan A., UÇAR Y.

UMTEB - 4. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Erzurum, Turkey, 7 - 09 December 2018, pp.469-474

- XIII. **Status of the tissue antioxidant system in *Alburnus tarichi* during anadromous migration**
Kaptaner B., Doğan A.
International Conference of Food, Agriculture and Animal Sciences, Antalya, Turkey, 3 - 07 October 2018, pp.110
- XIV. **Assessment of Erythrocyte Membrane Durableness, Hematological Parameters and TOS/TAS Index Effects of Oleander (*Nerium oleander* L.) Plant Flower Lyophilized Extract on Streptozotocin-Induced Diabetes in Rats**
Doğan A.
INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES, Antalya, Turkey, 3 - 07 October 2018, pp.108
- XV. **PHENOLIC COMPOSITION AND ANTIOXIDANT ACTIVITY OF OLEANDER (*NERIUM OLEANDER* L.)**
Doğan A., Dalar A.
AHTAMARA ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Van, Turkey, 26 August 2018, pp.207
- XVI. **Effect of *Pholiota aurivella* Lyophilized Extract on Erythrocyte Hemolysis and Some Antioxidan Parameters Against CCl₄-induced Oxidative Stress in Rat Erythrocytes**
Doğan A.
International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.372
- XVII. **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
- XVIII. **Chemical compounds profile of *Pholliota aurivella* extract and its potential effects on serum biochemical parameters**
Doğan A., Dalar A., Battal A., Sadullahoğlu C., Demirel K., Çelik İ., Uzun Y.
7 th International Molecular Biology and Biotechnology Congress, Van, Turkey, 25 - 27 April 2018, pp.393
- XIX. **Effects of *Agaricus arvensis* Mushroom Extract on Erythrocyte Fargility and Antioxidant Parameters Against CCl₄-induced Oxidative Stress in Rats**
Doğan A.
7th International Congress on Molecular Biology and Biotechnology, Konya, Turkey, 25 - 27 April 2018, pp.101
- 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. **Determination of Hepatoprotective and Antioxidant Roles of *Agrocybe cylindracea* Edible Mushroom Species Against CCl₄-Induced Experimental Oxidative Stress in Rats**
Doğan A., Demirel K., HASAR S.
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Nevşehir, Turkey, 15 - 17 May 2017, pp.780
- XXII. **Determination of Hepatoprotective and Antioxidant Roles of *Lactarius deliciosus* Edible Mushroom Species Against CCl₄-Induced Experimental Oxidative Stress in Rats**
Doğan A., Demirel K., HASAR S.
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Nevşehir, Turkey, 15 - 17 May 2017, pp.1251
- XXIII. **Can It Be Prevented Testicular Damage Caused by Methotrexate by Using *Urtica dioica* Seed Extract: An Investigation on Histopathological, Immunohistochemical, Biochemical and Spermatological**
Uyar A., Yaman T., Doğan A., USLU S., Keleş Ö. F., Yener Z., Çelik İ.
The Third International Mediterranean Symposium on Medicinal and Aromatic Plants, Girne, Cyprus (Kktc), 13 - 16 April 2017, pp.82-83
- XXIV. **Amelioration Effects of Omega-3 Against Acute Tributyltin Intoxication in Rats**
Doğan A., ARIHAN O., ERKEÇ Ö. E., Çelik İ.

- XXV. **Protective effects of *Urtica dioica* seed extract in aflatoxicosis: histopathological and biochemical findings**
Uyar A., Yener Z., Doğan A.
6th International Conference and Exhibition on Traditional & Alternative Medicine, Amsterdam, Netherlands, 14 - 16 September 2016, pp.13
- XXVI. **Protective Effects Of Sumach (*Rhus Coriaria* L.) Extract On Liver And Pancreas Injury Induced By Diabetes Mellitus in Rats**
Yaman T., Uyar A., Doğan A., Keleş Ö. F., Yener Z.
INTERNATIONAL CONGRESS ON ADVANCES IN VETERINARY SCIENCES & TECHNICS, Saraybosna, Bosnia And Herzegovina, 25 - 22 August 2016, pp.65
- XXVII. **Effect of tributyltin and omega 3 on erythrocyte fragility in rats**
Arihan O., Erkeç Ö. E., Comba B., DAĞLI GÜL U. D. A. Ş., Kara M., Doğan A.
Physiology 2016, Dublin, Ireland, 29 - 31 July 2016, pp.349
- XXVIII. **Potential therapeutic properties of *Rhus coriaria* L. On streptozotocin-induced diabetic rats**
Doğan A., Çelik İ.
2nd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU 2015), Plovdiv, Bulgaria, 14 - 17 October 2015
- XXIX. **Hematological Effects Of Lyophilized Extracts Prepared From Sumac (*Rhus coriaria* L.) And Acorn (*Quercus brantii* Lindl.) İn Streptozotocin Induced-Diabetic Rats**
DOĞAN A., ÇELİK İ., DALAR A., KAYA M. S.
2nd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU 2015), Plovdiv, Bulgaria, 14 - 17 October 2015, pp.152
- XXX. **Anormal Ovaryumlu Van Balığı (*Alburnus tarichi* Güldenstädt, 1814)'nın bazı dokularında Oksidatif Stresin Araştırılması**
OĞUZ A. R., ÖZOK N., DOĞAN A., BURCU E., FADİME İ., BİLGİLİ F.
Ulusal Zooloji Kongresi, Nevşehir, Turkey, 28 - 31 August 2015, pp.37
- XXXI. **Histopathology and oxidative stress in the liver of *Chalcalburnus tarichi* living in Lake Van, Turkey**
Kaptaner B., Doğan A., Kankaya E., Çelik İ.
International Environmental Sciences Symposium of Van (IESSV), Van, Turkey, 4 - 07 June 2014, pp.209
- XXXII. **Bazı Bitki Büyüme Düzenleyicilerinin Sıçanlarda Kan Bileşenleri Üzerine Etkileri**
DOĞAN A., ÖZOK N., ÇELİK İ.
25. Ulusal Biyokimya Kongresi/İzmir, İzmir, Turkey, 3 - 06 September 2013, pp.131
- XXXIII. **Etil Alkol ile Deneysel Oksidatif Stres Oluşturulan Sıçanlarda Üzüm (*Vitis vinifera* L.) Çekirdeğinin Karaciğer Koruyucu ve Antioksidan Rolünün Belirlenmesi**
DOĞAN A., ÇELİK İ.
25. Uluslararası Katılımlı Ulusal Kimya kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.188-1888

Supported Projects

Doğan A., BAKAÇ M. S., YILMAZ M. A., Project Supported by Higher Education Institutions, Kaside (*Scutellaria orientalis* L. subsp pichleri) bitkisi etanolik ekstresinin LC-MS/MS ile içerik analizinin belirlenmesi ve diyabetik sıçanlarda ekstrenin iyileştirici etkilerinin araştırılması, 2022 - 2023

Kaptaner B., Doğan A., Project Supported by Higher Education Institutions, Bisfenol S'nin erkek ratlarda tiroid bezi üzerindeki toksik etkilerinin araştırılması, 2021 - 2022

Kaptaner B., Doğan A., Project Supported by Higher Education Institutions, Bisfenol F'nin erkek ratlarda pankreas üzerindeki toksik etkilerinin araştırılması, 2021 - 2022

Doğan A., DUMAN K. E., Kaptaner B., Project Supported by Higher Education Institutions, Streptozotocin ile Diyabet Oluşturulan Sıçanlarda Gökbaş (*Cyanus Depressus*) Bitki Çiçeği Ekstraktının Antidiyabetik ve Antioksidan Etkilerinin Araştırılması, 2020 - 2021

Doğan A., EROĞLU A., Project Supported by Higher Education Institutions, CCI4 ile Oksidatif Stres Oluşturulan Sıçanlarda Arap Üzümü Muscari neglectum Guss Ex Ten Bitki Ekstraktının Fitokimyasal İçeriği ve Antioksidan Etkilerinin Araştırılması, 2020 - 2021

Doğan A., Dönmez F., Project Supported by Higher Education Institutions, Üç Farklı Kuşak Florokinolon İlacının Antioksidan ve İmmünotoksik Enzim Düzeyleri Üzerine Etkilerinin Farklı Sıçan Dokularında Araştırılması, 2020 - 2021

Doğan A., Project Supported by Higher Education Institutions, Etanol toksisitesine karşı Çınar (*Platanus orientalis*) yaprak infüzyonunun eritrosit fragilitesi, immünotoksik ve TOS/TAS parametreleri üzerine etkilerinin değerlendirilmesi, 2019 - 2020

Doğan A., HANALP H. C., Project Supported by Higher Education Institutions, Streptozotosin ile Diyabet Oluşturulan Ratlarda Hanzabel (*Achillea arabica*) Bitki Ekstraktının Antidiyabetik ve Antioksidan Etkilerinin Araştırılması, 2019 - 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

Kaptaner B., Doğan A., Project Supported by Higher Education Institutions, İnci kefali (*Alburnus tarichi* Güldenstat 1814)'nin bazı dokularında antioksidan savunma sistemi parametrelerinin üreme göçü sırasında araştırılması, 2018 - 2018

Doğan A., Project Supported by Higher Education Institutions, Streptozotosin İle Deneysel Diyabet Oluşturulan Sıçanlarda Zakkum (*Nerium oleander L*) Çiçeği Liyofilize Ekstrenin Eritosit Fragilitate Etkisinin Araştırılması, 2018 - 2018

Doğan A., ANUK Ö. O., Project Supported by Higher Education Institutions, Etil Alkol İle Oksidatif Stres Oluşturulan Sıçanlarda Çınar *Platanus orientalis* Yaprak İnfüzyonunun Doku Koruyucu Rolü Ve Fitokimyasal İçeriğinin Araştırılması, 2018 - 2018

Doğan A., Project Supported by Higher Education Institutions, CCI4 İle Oksidatif Stres Oluşturulan Sıçanlarda *Agaricus arvensis* Ve *Pholiota aurivella* Mantar Türlerinin Hematolojik Parametrelere Etkisinin Araştırılması, 2017 - 2018

Doğan A., Çelik İ., Dalar A., Project Supported by Higher Education Institutions, Streptozotosin İle Deneysel Diyabet Oluşturulan Sıçanlarda Zakkum *Nerium oleander L* Bitki Ekstrenin Nörotoksik İmmünotoksik Antidiyabetik Ve Antioksidan Etkisinin Araştırılması, 2016 - 2018

Doğan A., Project Supported by Higher Education Institutions, Laboratuvar koşullarında Hassas Terazi Kullanımının Önemi, 2016 - 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

Doğan A., Demirel K., Project Supported by Higher Education Institutions, CCI4 ile Deneysel Oksidatif Stres Oluşturulan Sıçanlarda *Lactarius deliciosus* ve *Agrocybe cylindracea* Türlerinin Karaciğer Koruyucu ve Antioksidan Rollerinin Belirlenmesi, 2015 - 2017

Uyar A., Yaman T., Keleş Ö. F., Çelik İ., Yener Z., Doğan A., YILDIRIM S., Project Supported by Higher Education Institutions, Deneysel Olarak Azoxymethane İle Kolonik Anormal Kript Oluşturulan Ratlarda, Isırgan Otu Tohumu (*Urtica Dioica* Seed) Ekstraktının Koruyucu Etkinliğinin Histopatolojik, İmmunohistokimyasal ve Biyokimyasal Olarak Araştırılması, 2015 - 2017

Kaptaner B., Doğan A., Durmuş A., Kankaya E., Project Supported by Higher Education Institutions, Anormal testis histolojisine sahip olan İnci kefali (*Chalcalburnus tarichi*, Pallas 1811)'nin biyokimyasal özelliklerinin incelenmesi, 2015 - 2016

Uyar A., Doğan A., Yener Z., Çelik İ., Keleş Ö. F., Yaman T., USLU S., Project Supported by Higher Education Institutions, Ratlarda Deneysel Olarak Metotraksat ile Oluşturulan Toksik Üzerine Isırgan Otu Tohumu (*Urtica Dioica* Seed) Ekstraktının Koruyucu Etkinliğinin Histopatolojik, İmmunohistokimyasal ve Biyokimyasal Olarak Araştırılması, 2015 - 2016

Çelik İ., Doğan A., Project Supported by Higher Education Institutions, Deneysel Diyabet Oluşturulan Sıçanlarda Bazı Bitki Ekstraktlarının İyileştirici Etkilerinin Araştırılması, 2013 - 2015

Çelik İ., Doğan A., Project Supported by Higher Education Institutions, Etil Alkol İle Deneysel Oksidatif Stres Oluşturulan Sıçanlarda Üzüm Çekirdeğinin Karaciğer Koruyucu ve Antioksidan Rolünün Belirlenmesi, 2010 - 2010

Activities in Scientific Journals

Doğu Fenbilimleri Dergisi, Assistant Editor/Section Editor, 2019 - Continues

Scientific Refereeing

BIOMEDICINE AND PHARMACOTHERAPY, Journal Indexed in SCI-E, February 2024
SAUDI PHARMACEUTICAL JOURNAL, Journal Indexed in SCI-E, February 2024
BRAIN AND BEHAVIOR, Journal Indexed in SCI-E, February 2024
JOURNAL OF INTEGRATIVE MEDICINE, Journal Indexed in SCI-E, January 2024
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, Journal Indexed in SCI-E, August 2023
DOSE-RESPONSE, Journal Indexed in SCI-E, June 2023
CURRENT MOLECULAR PHARMACOLOGY, Journal Indexed in SCI-E, May 2023
JOURNAL OF INTEGRATIVE MEDICINE, Journal Indexed in SCI-E, May 2023
FOOD SCIENCE & NUTRITION, Journal Indexed in SCI-E, March 2023
BRAIN AND BEHAVIOR, Journal Indexed in SCI-E, March 2023
JOURNAL OF RESEARCH IN PHARMACY, National Scientific Refreed Journal, November 2022
JOURNAL OF HERBAL MEDICINE, Journal Indexed in SCI-E, February 2022
JOURNAL OF INTERNATIONAL MEDICAL RESEARCH, Journal Indexed in SCI-E, October 2021
PHYTOTHERAPY RESEARCH, Journal Indexed in SCI-E, September 2021
IBNOSINA JOURNAL OF MEDICINE AND BIOMEDICAL SCIENCES, Journal Indexed in SCI-E, May 2021
JOURNAL OF HERBAL MEDICINE, Journal Indexed in SCI-E, April 2021
INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, National Scientific Refreed Journal, November 2020
EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE, Journal Indexed in SCI-E, July 2020
DRUG AND CHEMICAL TOXICOLOGY, Journal Indexed in SCI-E, June 2020
JOURNAL OF COMPLEMENTARY AND INTEGRATIVE MEDICINE, Journal Indexed in SCI-E, May 2020
JOURNAL OF BLOOD MEDICINE, Journal Indexed in SCI-E, April 2020
ASIAN PACIFIC JOURNAL OF TROPICAL BIOMEDICINE, Journal Indexed in SCI-E, March 2020
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, SCI Journal, November 2019
CURRENT MOLECULAR PHARMACOLOGY, SCI Journal, November 2019
American Journal of Physiology, Biochemistry and Pharmacology, Other Indexed Journal, October 2019
OXIDATIVE MEDICINE AND CELLULAR LONGEVITY, SCI Journal, October 2019
ASIAN PACIFIC JOURNAL OF TROPICAL BIOMEDICINE, SCI Journal, August 2019
CURRENT MOLECULAR PHARMACOLOGY, SCI Journal, May 2019
Archives of Medical Research, SCI Journal, May 2019
Van Sağlık Bilimleri Dergisi, National Scientific Refreed Journal, February 2019
Journal of International Medical Research, SCI Journal, February 2019
Plant Foods for Human Nutrition, SCI Journal, October 2018
Journal of Complementary Medicine Research, Other Indexed Journal, July 2018
Journal of Herbal Medicine, SCI Journal, May 2018
European Journal Of Integrative Medicine, SCI Journal, January 2017
European Journal Of Integrative Medicine, SCI Journal, December 2016
Turkish Journal Of Hematology, SCI Journal, December 2016
SciTech , Other Indexed Journal, August 2016
European Journal Of Integrative Medicine, SCI Journal, March 2016
European Journal Of Integrative Medicine, SCI Journal, March 2016
Journal Of Nutritional Biochemistry, SCI Journal, March 2016
European Journal Of Integrative Medicine, SCI Journal, October 2015

Scientific Research / Working Group Memberships

Bitki Biyoteknolojisi ve Genetik Araştırma Grubu, VAN YÜZÜNCÜ YIL ÜNİVERSİTESİ, Turkey,
<http://hamitbattal.wixsite.com/battallab/about>, 2017 - Continues

Metrics

Publication: 83
Citation (WoS): 193
Citation (Scopus): 219
H-Index (WoS): 8
H-Index (Scopus): 10

Congress and Symposium Activities

5. ULUSLARARASI ISPEC MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Session Moderator, Van, Turkey, 2019
International Conference on Food, Agriculture and Animal Sciences (ICOFAAS 2019), Session Moderator, Antalya, Turkey, 2019
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Attendee, Nevşehir, Turkey, 2016
The International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), Attendee, Nevşehir, Turkey, 2016
The Third International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP - 3), Attendee, Girne, Cyprus (Kktc), 2016
2nd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU 2015), Attendee, Plovdiv, Bulgaria, 2015
2nd International Conference on Natural Products Utilization: from Plant to Pharmacy Shelf (ICNPU 2015), Attendee, Plovdiv, Bulgaria, 2015
Ulusal Zooloji Kongresi, Attendee, Nevşehir, Turkey, 2015
International Environmental Sciences Symposium of Van (IESSV), Attendee, Van, Turkey, 2014
25. Ulusal Biyokimya Kongresi, Attendee, İzmir, Turkey, 2013
24. Ulusal Biyokimya Kongresi, Attendee, Konya, Turkey, 2012
25. Uluslararası katılımlı Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey, 2011