

## Prof. Suat Ekin

### Personal Information

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### International Researcher IDs

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ScopusID: 6602257873

Yoksis Researcher ID: 24607

### Education Information

Doctorate, Van Yüzüncü Yil University, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr), Turkey 1996 - 2001

Postgraduate, Van Yüzüncü Yil University, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr), Turkey 1993 - 1995

Undergraduate, Van Yüzüncü Yil University, Fen-Edebiyat, Kimya, Turkey 1986 - 1990

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, İnsüline Bağımlı Olmayan Diabetik Hastalarda İz Element (Cu, Zn, Fe, Cr, Mn), Mineral (Mg, K), Total Sialik Asit ve Lipid-Bağlı Sialik Asit Düzeylerinin Araştırılması, Van Yüzüncü Yil University, Sağlık Bilimleri Enstitüsü, Biyokimya, 2001

Postgraduate, Van ve Çevresindeki İçme-sulama Suları ile Çimento Fabrikası Atık ve Birikinti Sularında Bazı Ağır Metal (Cu, Zn, Fe, Cd, Pb) Düzeylerinin Araştırılması, Van Yüzüncü Yil University, Sağlık Bilimleri Enstitüsü, Biyokimya, 1995

### Research Areas

Chemistry, Analytical Chemistry, Bioanalytical Methods, Chromatographic Analysis, Biochemistry, Amino Acids, Bioinorganic Chemistry, Enzyme Kinetics, Trace Elements, vitamins, Natural Sciences

### Academic Titles / Tasks

Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2015 - Continues

Associate Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2010 - 2015

Assistant Professor, Van Yüzüncü Yil University, Fen Fakültesi, Kimya Bölümü, 2002 - 2010

## Academic and Administrative Experience

Van Yüzüncü Yil University, Denizcilik Fakültesi, 2017 - Continues  
University Executive Board Member, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2017 - 2021  
Dean, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2017 - 2021  
Member of the Senate, Van Yüzüncü Yil University, Denizcilik Fakültesi, 2017 - 2021  
Rectorate Commissioner, Van Yüzüncü Yil University, 2018 - 2020

## Courses

Su Kirliliği ve Kontrolü, Undergraduate, 2017 - 2018  
Metabolik Yollar ve Düzenlenmesi, Doctorate, 2017 - 2018  
Doğal Antioksidant Bileşiklerin Biyokimyası, Doctorate, 2017 - 2018  
Biyokimyasal Hesaplamalar, Doctorate, 2017 - 2018  
Nükleik Asit Biyokimyası II, Doctorate, 2017 - 2018  
Egzersiz Biyokimyası, Undergraduate, 2017 - 2018  
Aminoasit Metabolizması Bozuklukları, Doctorate, 2016 - 2017  
Biyokimya, Undergraduate, 2017 - 2018  
Nükleik Asit Biyokimyası I, Doctorate, 2017 - 2018

## Jury Memberships

Associate Professor Exam, Sözlü Sınav Jürisi,, ÜAK, ÜAK, December, 2017  
Associate Professor Exam, Sözlü Sınav Jürisi,, ÜAK, ÜAK, October, 2017  
Associate Professor Exam, Sözlü Sınav Jürisi,, ÜAK, ÜAK, April, 2017  
Associate Professor Exam, Sözlü Sınav Jürisi,, ÜAK, ÜAK, February, 2017  
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Dr. Atama, Yüzüncü Yıl Üniversitesi, March, 2016  
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Dr. Atama, Yüzüncü Yıl Üniversitesi, March, 2016  
Associate Professor Exam, Doçentlik Sınav Jürisi,, ÜAK, October, 2015  
Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Dr. Atama, Yüzüncü Yıl Üniversitesi, August, 2015  
Associate Professor Exam, Doçentlik Sınav Jürisi,, ÜAK, April, 2015

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

- I. **Phenolic Contents, Enzyme Inhibitory Activities, and Protective Effect of Aqueous Extract of Rosa Pisiformis Fruits**  
Ekin S., Akkoyun M. B., Kızıldağ H., GÖK H. N., Oto G., Akkoyun T., Özgökçe F., Orhan D. D.  
Pharmaceutical Chemistry Journal, vol.57, no.11, pp.1799-1806, 2024 (SCI-Expanded)
- II. **Behavior, antioxidant, and metabolomics effects of Allium tuncelianum**  
ABBAK N., NEMUTLU E., REÇBER T., Gul A. S. D., Akkoyun H. T., Akkoyun M. B., Yılmaz G., Ekin S., Bakir A., ARIHAN O.  
Food Science and Nutrition, 2024 (SCI-Expanded)
- III. **Low vitamin B12 level in relation to trace element, total sialic acid and antioxidant enzymes in children with vitamin B12 deficiency anemia**  
Kiran I., Ekin S., VURAL Ö.  
International Journal for Vitamin and Nutrition Research, vol.93, no.2, pp.132-141, 2023 (SCI-Expanded)
- IV. **Total Sialic Acid, Antioxidant Enzyme Activities, Trace Elements, and Vitamin Status Before and After Surgery in Women with Uterine Myoma and Endometrial Cancer**  
Gök F., Ekin S., Karaman E., Erten R., Yıldız D., Bakır A.

REPRODUCTIVE SCIENCES, vol.1, no.1, pp.1-9, 2023 (SCI-Expanded)

- V. **The protective effect of arbutin against potassium bromate-induced oxidative damage in the rat brain**  
AKKOYUN H. T., UYAR A., AKKOYUN M. B., BENGÜ A. Ş., MELEK Ş., Karagozoglu F., AYDIN S., Ekin S., ASLAN ERDEM S.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.37, no.2, 2023 (SCI-Expanded)
- VI. **Determination of trace element and fatty acid levels in tissues of mirror and scaly carp (*Cyprinus carpio* L., 1758) living in Keban Dam Reservoir (Elazığ)**  
Aydın S., Akkoyun H. T., Bayramoglu Akkoyun M., Bengu A. Ş., Ekin S., Harlioğlu A. G.  
Journal of Fish Biology, vol.101, no.4, pp.811-821, 2022 (SCI-Expanded)
- VII. **Effects of Arbutin on Fatty Acid Levels of Erythrocyte and Serum in Wistar Albino Rats Treated with Potassium Bromate**  
AKKOYUN H. T., AYDIN S., AKKOYUN M. B., BENGÜ A. Ş., Ekin S., ASLAN ERDEM S.  
INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.56, no.3, pp.740-747, 2022 (SCI-Expanded)
- VIII. **Theophylline attenuates bleomycin-induced oxidative stress in rats: The role of IL-6, NF-κB, and antioxidant enzymes**  
Ekin S., YILDIRIM S., Akkoyun M. B., GÖK H. N., ARIHAN O., Oto G., Akkoyun T., Başbuğan Y., Aslan S.  
Brazilian Journal of Pharmaceutical Sciences, vol.58, 2022 (SCI-Expanded)
- IX. **The role of trace element, mineral, vitamin and total antioxidant status in women with habitual abortion**  
Sami A. S., Suat E., Alkis I., Karakus Y., Guler S.  
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.34, no.7, pp.1055-1062, 2021 (SCI-Expanded)
- X. **Evaluations of antioxidant enzyme activities, total sialic acid and trace element levels in coronary artery bypass grafting patients**  
Yildiz D., Suat E., Şahinalp Ş.  
Brazilian Journal of Cardiovascular Surgery, vol.36, no.6, pp.769-779, 2021 (SCI-Expanded)
- XI. **Evaluation of the protective effect of chlorogenic acid and rhabdosciadium anatolyi against cyclophosphamide-induced ovarian toxicity in the rat with histopathological and immunohistochemical findings Klorojenik asit ve rhabdosciadium anatolyi'nin siklofosfamid ile ratlarda oluşturulan ovaryum toksisitesine karşı koruyucu etkisinin histopatolojik ve immunohistokimyasal bulgularla değerlendirilmesi**  
Alkiş İ., Ekin S., YILDIRIM S., Bakir A., Eser G., Fırat M.  
Kafkas Üniversitesi Veteriner Fakültesi Dergisi, vol.26, no.6, pp.757-763, 2020 (SCI-Expanded)
- XII. **EFFECT OF ACUTE AND CHRONIC FLUORIDE ADMINISTRATION ON BONE HISTOPATHOLOGY, BONE FLUORIDE ACCUMULATION, AND LOCOMOTOR ACTIVITY IN AN ANIMAL MODEL OF PALEOPATHOLOGICAL FLUOROSIS**  
Turkecul R., Arıhan S. K., YILDIRIM S., Arıhan O., Oto G., Ekin S., Yildiz D.  
FLUORIDE, vol.53, no.1, pp.77-89, 2020 (SCI-Expanded)
- XIII. **Nephroprotective effect of *Ferulago angulata* flowers on N-nitrosodimethylamine-induced nephrotoxicity in rats and its phytochemical profile**  
Ekin S., Kiziltas H., Akkoyun M. B., Ekin H. N., YILDIRIM S., Oto G., Akbaş E., Orhan D. D., ÖZGÖKÇE F.  
JOURNAL OF FOOD BIOCHEMISTRY, vol.43, no.11, 2019 (SCI-Expanded)
- XIV. **Synthesis, characterization, antioxidant properties and DFT calculation of some new pyrimidine derivatives**  
Akbas E., Ergen E., ŞAHİN E., Ekin S., Çakır M., Karakuş Y.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.8, pp.796-802, 2019 (SCI-Expanded)
- XV. **Synthesis, DFT calculations, spectroscopy and in vitro antioxidant activity studies on 4-hydroxyphenyl substituted thiopyrimidine derivatives**  
Akbaş E., Ekin S., Ergen E., Karakuş Y.

Journal of Molecular Structure, vol.1174, pp.177-183, 2018 (SCI-Expanded)

- XVI. **Assessment of antioxidant enzymes, total sialic acid, lipid bound sialic acid, vitamins and selected amino acids in children with phenylketonuria**  
Ekin S., Dogan M., Gok F., Karakus Y.  
PEDIATRIC RESEARCH, vol.84, no.6, pp.821-828, 2018 (SCI-Expanded)
- XVII. **The effect of astaxanthin and cadmium on rat erythrocyte G6PD, 6PGD, GR, and TrxR enzymes activities in vivo and on rat erythrocyte 6PGD enzyme activity in vitro**  
AKKOYUN M. B., BENGÜ A. Ş., TEMEL Y., AKKOYUN H. T., Ekin S., ÇİFTÇİ M.  
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.32, no.8, 2018 (SCI-Expanded)
- XVIII. **EFFECT OF CHRONIC EXPOSURE TO SODIUM FLUORIDE AND 7,12-DIMETHYLBENZ[A]ANTHRACENE ON SOME BLOOD PARAMETERS AND HEPATIC, RENAL, AND CARDIAC HISTOPATHOLOGY IN RATS**  
YILDIRIM S., Ekin S., Huyut Z., Oto G., COMBA A., Uyar H., ŞENGÜL E., Cinar D. A.  
FLUORIDE, vol.51, no.3, pp.278-290, 2018 (SCI-Expanded)
- XIX. **Investigation of Allium sativum's Protective Effect on Ovarian Reserve in an Experimental Ovarian Injury Model**  
Guney G., Kaya C., YILDIRIM S., Oto G., Ekin S., Özdemir H.  
INTERNATIONAL JOURNAL OF MORPHOLOGY, vol.36, no.2, pp.395-401, 2018 (SCI-Expanded)
- XX. **Effect Of Chronic Exposure To Sodium Fluoride and 7,12- Dimethylbenz[a]Anthracene on Some Blood Parameters and Histopathological Findings in Rats**  
Yıldırım S., Ekin S., Huyut Z., Oto G., Comba A., Uyar H., Şengül E., Çınar A.  
FLUORIDE, vol.51, no.3, pp.278-290, 2018 (SCI-Expanded)
- XXI. **The investigation of protective effects of resveratrol on biochemical and histopathological parameters in induced experimentally chronic flurosis in rats**  
Yıldırım S., Oto G., Comba B., Ekin S., Çınar A.  
FLUORIDE - QUARTERLY REPORTS, vol.50, no.3, pp.367-375, 2017 (SCI-Expanded)
- XXII. **AN INVESTIGATION OF THE PROTECTIVE EFFECTS OF RESVERATROL ON SOME BIOCHEMICAL PARAMETERS AND HISTOPATHOLOGICAL FINDINGS IN EXPERIMENTALLY-INDUCED CHRONIC FLUROSIS IN RATS**  
YILDIRIM S., Oto G., Comba B., Ekin S., Cinar D. A.  
FLUORIDE, vol.50, no.3, pp.365-373, 2017 (SCI-Expanded)
- XXIII. **THE PROTECTIVE EFFECTS OF LEPIDIUM SATIVUM L. IN 7,12-DIMETHYLBENZ(a)ANTHRACENE APPLIED RATS**  
Özdemir H., Oto G., Ekin S., Yener Z., YILDIRIM S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.3, pp.2446-2453, 2017 (SCI-Expanded)
- XXIV. **Antioxidant properties of Ferulago angulata and its hepatoprotective effect against N-nitrosodimethylamine-induced oxidative stress in rats**  
Kiziltas H., Ekin S., Bayramoglu M., Akbaş E., Oto G., YILDIRIM S., Özgökçe F.  
PHARMACEUTICAL BIOLOGY, vol.55, no.1, pp.888-897, 2017 (SCI-Expanded)
- XXV. **ANTIOXIDANT ACTIVITY OF AQUEOUS AND ETHANOL EXTRACTS OF CRATAEGUS MEYERI POJARK LEAVES AND CONTENTS OF VITAMIN, TRACE ELEMENT**  
Ekin S., Bayramoglu M., GOKTASOGLU A., Özgökçe F., Kiziltas H.  
JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.62, no.4, pp.3661-3667, 2017 (SCI-Expanded)
- XXVI. **Detection and comparison of neuraminidase activities in human and bovine group B streptococci**  
Ekin İ. H., Gürtürk K., İlhan Z., Ekin S., Borum A. E., ARABACI C., Yeşilova A.  
APMIS, vol.124, no.12, pp.1093-1098, 2016 (SCI-Expanded)
- XXVII. **Antioxidant properties of Rosa pisiformis and its protective effect against isoproterenol-induced oxidative stress in rats**  
Bayramoglu M., Ekin S., KIZILTAS H., Oto G., SUSEN E. A., Özgökçe F.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.4, pp.232-242, 2016 (SCI-Expanded)
- XXVIII. **Evaluation of trace element and mineral status and related to levels of amino acid in children with phenylketonuria**

- GOK F., Ekin S., Dogan M.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.45, pp.302-308, 2016 (SCI-Expanded)
- XXIX. **Chemical Composition and Antioxidant Activity of Two Wild Edible Mushrooms from Turkey**  
Ekin S., Uzun Y., Demirel K., Bayramoglu M., KizilTAS H.  
INTERNATIONAL JOURNAL OF MEDICINAL MUSHROOMS, vol.17, no.12, pp.1179-1188, 2015 (SCI-Expanded)
- XXX. **The changes in the serum, liver, kidney protein and genomic DNA profiles in rats treated with 7,12-Dimethylbenz(A) anthracene and Plantago major L.**  
Berber I., Ekin S., LEVENT A., Oto G.  
Research Journal of Pharmaceutical, Biological and Chemical Sciences, vol.5, no.1, pp.253-260, 2014 (SCI-Expanded)
- XXXI. **Method Validation and Simultaneous Determination of Retinol, Retinyl Palmitate, beta-Carotene, alpha-Tocopherol and Vitamin C in Rat Serum Treated with 7,12 Dimethylbenz[a]Anthracene and Plantago major L. by High-Performance Liquid Chromatography Using Diode-Array Detection**  
Levent A., Oto G., Ekin S., Berber I.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.16, no.2, pp.142-149, 2013 (SCI-Expanded)
- XXXII. **CYTOPROTECTIVE EFFECTS OF BORIC ACID AND COENZYME Q(10) THERAPY ON INDUCED PULMONARY FIBROSIS IN RESPONSE TO INTRATRACHEAL ADMINISTRATION OF BLEOMYCIN IN RATS**  
Oto G., Ekin S., Celikezen F. C., Yener Z., Tanritanır P., Ozdeinir H., Yildirim S., Bayramoğlu M.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, pp.2428-2434, 2013 (SCI-Expanded)
- XXXIII. **Determination of 7,12-Dimethylbenz[a]Anthracene in Orally Treated Rats by High-Performance Liquid Chromatography and Transfer Stripping Voltammetry**  
Yardıı Y., Levent A., Ekin S., Keskin E., Oto G., Şentürk Z.  
COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING, vol.15, no.5, pp.418-426, 2012 (SCI-Expanded)
- XXXIV. **The effect of Plantago major Linnaeus on serum total sialic acid, lipid-bound sialic acid, some trace elements and minerals after administration of 7,12-dimethylbenz(a)anthracene in rats**  
Oto G., Ekin S., OZDEMİR H., Levent A., Berber I.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.28, no.4, pp.334-342, 2012 (SCI-Expanded)
- XXXV. **Protective effect of Hypericum perforatum L. on serum and hair trace elements in rats 7,12-dimethylbenz[a]anthracene-induced oxidative stress**  
Ekin S., Oto G., Yardım Y., Ievent A., Özgökçe F., Kuşman T.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.33, no.3, pp.440-445, 2012 (SCI-Expanded)
- XXXVI. **The effect of CoQ(10) and vitamin E on serum total sialic acid, lipid-bound sialic acid, some trace elements and minerals in rats induced with doxorubicin**  
Oto G., Ekin S., Yasar S., OZDEMİR H., Yur F.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.26, pp.5219-5224, 2011 (SCI-Expanded)
- XXXVII. **Plantago major Protective Effects on Antioxidant Status after Administration of 7,12-Dimethylbenz(a)anthracene in Rats**  
Oto G., Ekin S., OZDEMİR H., Demir H., Yasar S., Levent A., Berber I., Kaki B.  
ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, vol.12, no.2, pp.531-535, 2011 (SCI-Expanded)
- XXXVIII. **Investigation of Some Physiological and Biochemical Parameters in Pseudomonas syringae-Infected Tomato Plants**  
Berber I., ONLU H., Ekin S., Battal P., Erez M. E.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.6, pp.4898-4906, 2010 (SCI-Expanded)
- XXXIX. **Use of the Different Polyacrylamide Gel Electrophoresis (PAGE) Methods in the Characterization of Human Pathogenic Staphylococcus aureus Strains**  
Berber I., Alan N., Ekin S., Onlu H.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.4, pp.3173-3185, 2010 (SCI-Expanded)
- XL. **Simultaneous determination of retinol, retinyl palmitate and beta-carotene in rat serum treated with 7,12-dimethylbenz[a]anthracene and Hypericum Perforatum L. by high-performance liquid chromatography with diode-array detection**  
Levent A., Ekin S., Oto G.

CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, vol.8, no.1, pp.108-115, 2010 (SCI-Expanded)

- XLII. **TRACE HEAVY METAL CONTENTS AND MINERAL OF ROSA CANINA L. FRUITS FROM VAN REGION OF EASTERN ANATOLIA, TURKEY**  
LEVENT A., Alp Ş., Ekin S., Karagöz S.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.29, no.1, pp.13-24, 2010 (SCI-Expanded)
- XLIII. **Levels of Selected Trace Elements, Phytohormones, and Sugars in Pseudomonas-Infected Lycopersicum esculantum Mill Plants**  
Berber I., Ekin S., Battal P., ONLU H., Erez M. E.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.133, no.1, pp.98-109, 2010 (SCI-Expanded)
- XLIII. **Effects of adding aluminum sulfate to different litters on selected trace elements and vitamins concentrations in broiler**  
CELEN M. F., Kozat S., Ekin S., Yoruk B. H., ALKI E.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.18, pp.3363-3366, 2008 (SCI-Expanded)
- XLIV. **Effect of Urtica dioica L. on selected trace elements levels and serum protein patterns in the rabbits treated with 7,12-Dimethylbenz(a)anthracene**  
Ekin S., Oto G., Berber I., Türel I., KUSMAN T.  
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.7, pp.5704-5710, 2008 (SCI-Expanded)
- XLV. **Trace element status of chronic renal patients undergoing hemodialysis**  
KızıLTAŞ H., Ekin S., Erkoç R.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.124, no.2, pp.103-109, 2008 (SCI-Expanded)
- XLVI. **Discrimination and numerical analysis of human pathogenic Candida albicans strains based on SDS-PAGE protein profiles**  
Berber I., Ekin S.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.4, pp.425-429, 2008 (SCI-Expanded)
- XLVII. **Plasma vitamin E and selenium levels in rats with head trauma**  
KIYMAZ N., Ekin S., YILMAZ N.  
SURGICAL NEUROLOGY, vol.68, no.1, pp.67-71, 2007 (SCI-Expanded)
- XLVIII. **Investigation of neuroprotective effect of dexamethasone by using nitric oxide and leukocyte levels in experimental head trauma**  
Demir O., KIYMAZ N., Ekin S., YILMAZ N., OZBEK H.  
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.117, no.12, pp.1719-1730, 2007 (SCI-Expanded)
- XLIX. **Serum levels of some trace elements and thyroid hormones in yearling rams with retardation in growth**  
Kozat S., Mert H., Yuksek N., Mert N., Ekin S.  
BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY, vol.51, no.1, pp.117-120, 2007 (SCI-Expanded)
- L. **Selected trace elements and esterase activity of carbonic anhydrase levels in lambs with pneumonia**  
Ekin S., BERBER I., Kozat S., Gunduz H.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.112, no.3, pp.233-239, 2006 (SCI-Expanded)
- LI. **Serum adenosine deaminase activity and biochemical parameters in chronic fascioliasis in sheep**  
Kozat S., Ekin S., Kaya A., Denizhan V.  
INDIAN VETERINARY JOURNAL, vol.83, pp.349-350, 2006 (SCI-Expanded)
- LII. **Effects of dexamethasone on trace elements and serum protein patterns following brain trauma in rats**  
Ekin S., Berber I., Kiyamaz N.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.107, no.1, pp.53-60, 2005 (SCI-Expanded)
- LIII. **Concentration of Zn, Cu, Mn and Mg in cattle with natural Psoroptes bovis scabiei**  
Kozat S., Ekin S., Yuksek N., Kaya A., Agaoglu Z.  
INDIAN VETERINARY JOURNAL, vol.82, no.9, pp.947-949, 2005 (SCI-Expanded)
- LIV. **Levels of some trace elements and rheumatoid factor in sheep with brucellosis**  
Ekin S., Kozat S., Gündüz H., Mert N., KARAKAYA C.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.99, pp.123-128, 2004 (SCI-Expanded)

- LIV. **Serum sialic acid levels and selected mineral status in patients with type 2 diabetes mellitus**  
Ekin S., Mert N., Gunduz H., Meral I.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.94, no.3, pp.193-201, 2003 (SCI-Expanded)
- LVI. **Comparative study of total protein, and total and lipid-associated serum sialic acid levels in patients with type 2 diabetes mellitus**  
Ekin S., Meral I., Gunduz H., Mert N.  
JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol.17, no.4, pp.124-126, 2003 (SCI-Expanded)
- LVII. **A study on esterase activity of carbonic anhydrase from Van Lake fish (Calcalburnus tarichi)**  
TESTERECI H., SEKIN S., Ekin S.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.23, pp.145-153, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Therapeutic applications of Vanadium compounds in cancer**  
GÖK F., Ekin S.  
ANADOLU KLİNİĞİ TIP BİLİMLERİ DERGİSİ, vol.28, no.3, pp.441-450, 2023 (Peer-Reviewed Journal)
- II. **The Protective Effect of Rheum Ribes L., and Quercetin on Protein Carbonyl Levels Against Carbon Tetrachloride-Induced Liver and Kidney Damage in the Rats**  
Bakir A., Ekin S., Oztas S., Oto G.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.12, no.3, pp.587-593, 2022 (ESCI)
- III. **Antioxidant properties of Lycianthes rantonnetii and contents of vitamin and element**  
Amin A. A., Ekin S., Bakir A., Yıldız D.  
International Journal of Secondary Metabolite, vol.9, no.2, pp.194-207, 2022 (Scopus)
- IV. **Vanadyumun Sağlık Açısından Önemi, Maruziyeti ve Toksikitesi**  
GÖK F., EKİN S.  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.5, no.3, pp.1843-1854, 2022 (Peer-Reviewed Journal)
- V. **The Effect of Rosa Pisiformis (Christ) D.Sosn on Some Metabolic Enzyme Activities in STZ Applied Diabetic Rats**  
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- L. **Hypericum Perforatum L. {Kantaron Otu) ve DMBA Uygulanmış Ratların Dokularındaki Retinol, a-Tokoferol, Retinil Palmitat, ?-Karoten ve C Vitaminlerinin HPLC ile Birarada Belirlenmesi Yöntemi ve Validasyonu**  
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- LI. **Hypericum Perforatum L. (Kantaron Otu) ve DMBA Uygulanmış Ratların Serumlarındaki Retinol, Retinil Palmitat ve ?-karoten Vitaminlerinin HPLC ile Birlikte Belirlenmesi Yöntemi**  
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- LII. **Hypericum Perforatum L. (Kantaron Otu) ve DMBA Uygulanmış Ratların Dokularındaki DMBA Düzeyinin HPLC ve Voltametrik Yöntemleri ile Belirlenmesi**  
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5. Ulusal Analitik Kimya Kongresi, Erzurum, Turkey, 21 - 25 June 2010, pp.92
- LIII. **Plantago major (Sinir otu) un 7,12 - dimetilbenzantrasen (DMBA) uygulanan ratlarda MDA, GSH, Karbonik anhidraz ve katalaz aktiviteleri ile bazı biyokimyasal parametreler üzerine etkisi**  
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- LIV. **Turkiyenin Doğu Anadolu Bölgesindeki Van İli Çevresindeki Kuşburnu Yapraklarındaki Bazı Ağır Metal Ve Mineral Bileşimlerinin AAS İle Belirlenmesi**

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- LIV. **7,12-Dimetilbenz [a]antrasen Uygulanan Ratlarda İz Element ve Mineral Düzeyleri Üzerine Kantaron (Hypericum perforatum L.)'un Etkisinin Araştırılması,**  
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- LV. **Doksoyubisin Uygulanan Ratlarda CoQ10 ve Vitamin E nin Total Sialik Asit, Lipid Bağlı Sialik Asit ve Bazı İz Element Düzeyleri Üzerine Etkisi**  
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- LVI. **7,12 Dimetilbenzantrasen (DMBA) Uygulanan Ratlarda Plantago major'un (Sinir Otu) Total Sialik Asit, Lipid Bağlı Sialik Asit ve Bazı İz Element Düzeyleri Üzerine Etkisi**  
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- LVII. **7,12-Dimetilbenz[a]antrasen Uygulanan Ratlarda Kantaron (Hypericum Perforatum L) un Vitamin C ve Karbonik Anhidraz Aktivitesi Üzerine Etkisi**  
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XXII.Ulusal Kimya Kongresi, Magusa, Cyprus (Kktc), 6 - 10 October 2008
- LVIII. **7,12-Dimetilbenz(a)Antrasen (DMBA) uygulanan tavşanlarda ısırğan otu (Urtica Dioica L.)'nun bazı iz element ve serum protein profilleri üzerine etkisi**  
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21.Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 August 2007, pp.6
- LIX. **Serum levels of some trace elements and thyroid hormones in yearling rams with redardation in growth**  
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- LX. **Doğal olarak Babesia ovis'le enfekte koyunlarda sağaltıma ek olarak demir (Fe) preparatı uygulamasının hematolojik parametreler ve bazı mineral madde düzeyleri üzerine etkisinin araştırılması**  
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- LXI. **Brusellozislı koyunlarda bazı iz element (Cu, Zn, Fe, Cr), mineral (Ca, Mg ve K) ve romatoid faktör (RF) düzeyleri.**  
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- LXII. **Doğal kronik fasciolazis'li koyunlarda serum sialik asit ve serum lipid-bağlı sialik asit düzeyleri**  
Kozat S., Mert N., ekin s.  
XIII. Ulusal Parazitoloji Kongresi, Konya, Turkey, 15 - 18 May 2003, pp.29
- LXIII. **Determination of Serum Antioxidant Vitamin Concentration (Vitamin E, Retinol, Beta-Karoten) in the Patients with Diabetes Mellitus (type II) in Van Region**  
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- LXV. **"Carbonic anhydrase activity in gastric cancer and peptic ulcer"**  
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## Supported Projects

- Ekin S., AMIN A. A., Project Supported by Higher Education Institutions, Mavi Patates Çalısı *Lycianthes rantonnetii* Bitkisinin Antioksidan ve Antiradikal Özellikleri ile İz Element Mineral ve Vitamin C Düzeylerinin Belirlenmesi, 2020 - 2021
- Özgökçe F., Ekin Z., Dede S., Başbuğan Y., Ünal M., Ekin S., Ekin İ. H., Oto G., Karasu A., Project Supported by Higher Education Institutions, Van Yöresinde Veteriner Hekimlik Uygulamalarında Fitoterapi Olanaklarının Araştırılması-1 (Van ve Çevresinde Hayvan Hastalıklarına Karşı Kullanılan Bitkilerin Araştırılması), 2019 - 2021
- Ekin S., BAKIR A., Project Supported by Higher Education Institutions, *Rhabdosciadium anatolyi* Bitkisinin Antioksidan Aktivitesinin ve Siklofosamid ile Oksidatif Stres Oluşturulan Ratlarda Klorojenik Asidin Koruyucu Etkisinin Belirlenmesi, 2018 - 2020
- Ekin S., GÖK F., Project Supported by Higher Education Institutions, Myoma Uterili ve Endometriyum Kanseri Hastalarında Cerrahi Öncesi ve Sonrası Antioksidan Enzim Aktiviteleri Sialik Asit İz Element ve Mineral Düzeylerinin Belirlenmesi, 2018 - 2020
- Ekin S., Project Supported by Higher Education Institutions, 3Metilkolantren ve benzoapiren ile oksidatif hasar oluşturulmuş ratlarda tokoferol retinol kolekalsiferol ve filokinon düzeyleri üzerine boraks ve borik asidin koruyucu etkisi, 2019 - 2019
- Ekin S., YILDIRIM A., Project Supported by Higher Education Institutions, Botan Siirt Çayında Yaşayan Bazı Balık Türlerinin Capoeta Farklı Dokularındaki İz Element ve Mineral Düzeylerinin Belirlenmesi, 2018 - 2019
- Ekin S., Project Supported by Higher Education Institutions, *Crataegus Meyeri* Pojark bitkisinin Vitamin D düzeyinin Belirlenmesi, 2018 - 2018
- Ekin S., Project Supported by Higher Education Institutions, *Plantago major L* Bitkisinin D Vitamini İçeriğinin Araştırılması, 2017 - 2018
- Ekin S., YILDIZ D., Project Supported by Higher Education Institutions, Koroner Arter Hastalarında Cerrahi Öncesi ve Sonrası Antioksidan Enzim Aktiviteleri Sialik Asit İz Element ve Mineral Düzeylerinin Belirlenmesi, 2017 - 2018
- Ekin S., KARAKUŞ Y., Project Supported by Higher Education Institutions, Osteoporoz ve Osteopenili Hastalarında Antioksidan Enzim Aktiviteleri İz Element ve Mineral Düzeylerinin Belirlenmesi, 2017 - 2018
- Ekin S., KIRAN İ., Project Supported by Higher Education Institutions, B12 Vitamin Eksikliği Anemisi Hastalarında İz Element Mineral ve Bazı Biyokimyasal Parametre Düzeylerinin Araştırılması, 2016 - 2018
- Özdemir H., Oto G., Ekin S., Bulduk M., Project Supported by Higher Education Institutions, Dişi sıçanlarda oluşturulan deneysel florozis modelinde oksidatif stres parametreleri üzerine resveratrol tedavisinin etkisi, 2016 - 2017
- Ekin S., Project Supported by Higher Education Institutions, BİYOKİMYASAL ANALİZLERDE İSTATİSTİKSEL VERİLERİN HESAPLANMASI VE DEĞERLENDİRİLMESİ, 2016 - 2017
- Ekin S., Project Supported by Higher Education Institutions, At Dili (*Ruscus Hypoglossum L.*) Bitkisinin Antioksidan, Antiradikal Özellikleri, İz Elementler (Cu, Zn, Fe, Co, Cd, Cr, Mn, Pb), Mineral (Ca, K, Mg, Na) ve Vitamin C Düzeyleri, 2015 - 2016
- Ekin S., GÖK F., DOĞAN M., Project Supported by Higher Education Institutions, Fenilketonuri hastalarında tedavi öncesi ve sonrası antioksidan enzimlerin (GSH-Px, SOD, CAT) aktiviteleri, MDA, GSH, total sialik asit ve lipid bağlı sialik asit düzeylerinin belirlenmesi, 2015 - 2016
- Ekin S., Project Supported by Higher Education Institutions, Fenilketonüri hastalarında iz element (Cu, Zn, Fe, Co, Mn, Se, Al, Cd, Cr, Ni, Pb) düzeylerinin araştırılması, 2015 - 2015
- Ekin S., Kızıldağ H., Project Supported by Higher Education Institutions, *Volvariella speciosa* ve *Agaricus macrosporus* Mantarlarının Antioksidan, Antiradikal Özellikleri ve İz Element (Cu, Zn, Fe, Mn, Pb, Cd), Mineral (Mg, Ca, K) Vitamin C düzeylerinin belirlenmesi, 2013 - 2015
- Ekin S., Kızıldağ H., Project Supported by Higher Education Institutions, *Ferulago Angulata* (Schlecht.) Boiss Bitkisinin Antioksidan, Antiradikal Aktivitesinin ve N-Nitrozodimetilamin (NDMA) ile Oksidatif Stres Oluşturulan Ratlarda Etkisinin Belirlenmesi, 2013 - 2015
- Ekin S., Project Supported by Higher Education Institutions, *Rosa pisiformis* (Christ) D. Sosn Bitkisinin Antioksidan,

Antiradikal Aktivitesinin ve Isoproterenol ile Oksidatif Stres Oluşturulan Ratlarda Antioksidan Etkisinin Belirlenmesi, 2012 - 2013

Ekin S., Project Supported by Higher Education Institutions, Sinir Otu (Plantago Major) Bitkisinin Antioksidan Kapasitesi, Bazı İz Elementler (Cu, Zn, Fe ve Cr) ve Vitamin C Düzeylerinin Araştırılması, 2010 - 2013

Ekin S., Project Supported by Higher Education Institutions, Hawthorn (Crataegus meyeri Pojark) Bitkisinin Antioksidan Kapasitesi, Minor Elementler (Cu,Zn,Fe,Mn,Pb, ve Cd),Major Elementler (Mg,Ca ve K) ve Vitamin C düzeylerinin Araştırılması, 2011 - 2012

Ekin S., Oto G., Project Supported by Higher Education Institutions, 7,12 Dimetilbenz (a)antrasen (DMBA) Uygulanmış Ratlarda, Sinirotu (Plantago major) un Vitamin E,C, Bazı İz Element Düzeyleri (Zn, Cu, Fe, Se), Protein ve DNA Profilleri Üzerine Etkisi, 2008 - 2010

Ekin S., Project Supported by Higher Education Institutions, 7,12 Dimetilbenz (a)antrasen (DMBA) Uygulanmış Ratlarda, Kantaron (Hypericum Perforatum L) un Total Sialik Asit, Lipid-Bağlı Sialik Asit ve Vitamin E Düzeyleri Üzerine Etkisi, 2007 - 2008

Ekin S., Kozat S., GÜNDÜZ H., Project Supported by Higher Education Institutions, ENZOOTİK PNÖMONİLİ KUZULARIN PROGNOZUNDA KARBONİK ANHİDRAZ ENZİM DÜZEYİNİN ÖNEMİ, 2002 - 2003

Kozat S., Yüksek N., Ekin S., Project Supported by Higher Education Institutions, GELİŞME GERİLİĞİ GÖRÜLEN TOKLARDA İNSÜLİN, TİROİD HORMANLARI VE BAZI İZ ELEMENT DÜZEYLERİ ÜZERİNE ARAŞTIRMA, 2002 - 2003

## Activities in Scientific Journals

Annals of Advances in Chemistry, Committee Member, 2019 - Continues

## Scientific Refereeing

Biological Trace Element Research, SCI Journal, December 2019

Erciyes Medical Journal, Other Indexed Journal, November 2019

Journal of Clinical Laboratory Analysis, SCI Journal, October 2019

Natural Product Research, SCI Journal, October 2019

Biological Trace Element Research, SCI Journal, August 2019

Advances in Traditional Medicine, Other Indexed Journal, May 2019

Biological Trace Element Research, SCI Journal, April 2019

Biological Trace Element Research, SCI Journal, March 2019

Biological Trace Element Research, SCI Journal, January 2019

Mini-Reviews in Medicinal Chemistry, SCI Journal, December 2018

Mini-Reviews in Medicinal Chemistry, SCI Journal, November 2018

Mini-Reviews in Medicinal Chemistry, SCI Journal, October 2018

Biological Trace Element Research, SCI Journal, August 2018

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Biological Trace Element Research, SCI Journal, July 2018

Environmental toxicology and pharmacology, SCI Journal, November 2017

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Environmental Toxicology and Pharmacology, SCI Journal, September 2013  
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Biological Trace Element Research, SCI Journal, August 2009  
Peritoneal Dialysis International, SCI Journal, February 2009

## Metrics

Publication: 174  
Citation (WoS): 275  
Citation (Scopus): 345  
H-Index (WoS): 9  
H-Index (Scopus): 10

## Congress and Symposium Activities

Euroanalysis XX Conference, Attendee, İstanbul, Turkey, 2019  
International Conference on Research in Education and Science, Session Moderator, Adana, Turkey, 2018  
International Conference on Research in Education and Science, Attendee, Muğla, Turkey, 2018  
3rd International Turkish Congress on Molecular Spectroscopy, Attendee, Muğla, Turkey, 2017  
FEBS Congress, Attendee, Aydın, Turkey, 2016  
INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, Attendee, Sarajevo, Bosnia And Herzegovina, 2015  
27. Ulusal Kimya Kongresi, Attendee, --Seçiniz--, Turkey, 2015  
27. Ulusal Kimya Kongresi, Session Moderator, Çanakkale, Turkey, 2015  
XI. Metabolik Sendrom Sempozyumu, Attendee, Muğla, Turkey, 2014

XXV. Ulusal Biyokimya Kongresi, Attendee, Turkey, 2013  
23. Ulusal Biyokimya Kongresi, Attendee, Adana, Turkey, 2011  
26. Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey, 2011  
25. Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey, 2010  
23. Ulusal Kimya Kongresi, Attendee, Sivas, Turkey, 2009  
XXII. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kktc), 2008  
21. Ulusal Kimya Kongresi, Attendee, --Seçiniz--, Turkey, 2007