

## Prof. FERİDE KOÇ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-3963-5199

Yoksis Researcher ID: 110830

### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmakoloji & Toksikoloji, Turkey 1998 - 2002

Postgraduate, Ankara University, Veteriner Fakültesi, Turkey 1991 - 1996

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Ankara ve çevresindeki mezbahalardan elde edilen sığır ve koyunların et, karaciğer ve böbreklerinde bazı kinolon grubu antibakteriyel ilaç kalıntılarının incelenmesi. , Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakoloji&Toksikoloji, 2002

### Research Areas

Health Sciences, Veterinary Sciences, Pre-Clinical Sciences, Veterinary Pharmacology and Toxicology

### Academic Titles / Tasks

Professor, Erciyes University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2016 - Continues

Associate Professor, Erciyes University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2012 - 2016

Associate Professor, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2010 - 2012

Assistant Professor, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2006 - 2010

Lecturer PhD, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimler, 2004 - 2006

### Academic and Administrative Experience

Erciyes University, 2014 - Continues

Erciyes University, 2015 - 2016

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

- I. **Effect of chrysin on oxidative stress, biochemical, and inflammatory alterations in Wistar albino rats exposed to cypermethrin**  
TEKELİ M. Y., KOÇ F., Calimli S., Aslan C.  
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, no.5, pp.349-358, 2024 (SCI-Expanded)
- II. **The effects of chrysin on lipopolysaccharide-induced sepsis in rats**  
KOÇ F., TEKELİ M. Y., KANBUR M., Karayigit M. o., LİMAN B. C.  
JOURNAL OF FOOD BIOCHEMISTRY, vol.44, no.9, 2020 (SCI-Expanded)
- III. **The Protective Effects of Peganum harmala Extract on Lung and Kidney in Sepsis Induced by Cecal Ligation and Perforation in Rats**  
ÖZKANLAR S., KOÇ F., Karakus E., GÜVENALP Z., Oruc E., ÖZBEK H.  
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.21, no.3, pp.367-375, 2015 (SCI-Expanded)
- IV. **Influences of flunixin and tenoxicam on the pharmacokinetics of florfenicol in lipopolysaccharide-induced endotoxemia**  
Koc F., ATİLA A., Karakus E., Uney K.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.39, no.2, pp.168-173, 2015 (SCI-Expanded)
- V. **Investigation of in vivo effect of florfenicol on metabolic-antioxidantenzymes' activities on Morkaraman normal and lactating sheep**  
Nadaroglu H., Kucukoglu K., KOÇ F.  
JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, vol.7, pp.189-194, 2013 (SCI-Expanded)
- VI. **Direct role of alpha-2 adrenoreceptors in antiulcer effect mechanism of tianeptine in rats**  
KOÇ F., Karakus E., Ragbetli C., Cetin N., KIRBAŞ A.  
JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS, vol.35, pp.169-170, 2012 (SCI-Expanded)
- VII. **Determination of florfenicol in plasma of rabbits by high-performance liquid chromatography after solid phase extraction**  
KOÇ F., ATİLA A., Karakus E., Cetin N.  
JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS, vol.35, pp.89, 2012 (SCI-Expanded)
- VIII. **Direct Role of alpha(2)-Adrenoreceptors in Antiulcer Effect Mechanism of Tianeptine in Rats**  
KOc F., Karakus E., Ragbetli C., Cetin N., Kirbas A.  
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.18, no.5, pp.713-718, 2012 (SCI-Expanded)
- IX. **Determination of Organochlorinated Pesticide Residues By Gas Chromatography - Mass Spectrometry after Elution in A Florisil Column**  
KOc F., Karakus E.  
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.17, no.1, pp.65-70, 2011 (SCI-Expanded)
- X. **Anti-inflammatory activity of 2,5-dihydroxycyclohepta-2,4,6-trienone in rats**  
KOÇ F., ÇADIRCI E., ALBAYRAK A., HALICI Z., HACİMÜFTÜOĞLU A., Suleyman H.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.1, pp.84-93, 2010 (SCI-Expanded)
- XI. **The role of erythropoietin in the protection of gastric mucosa from indometacin-induced gastric injury and its relationship with oxidant and antioxidant parameters in rats**  
ALBAYRAK F., Odabasoglu F., HALICI Z., ERKAYMAN B., DURSUN H., UYANIK A., BAYIR Y., KOÇ F., Suleyman H., ALBAYRAK Y.  
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.62, no.1, pp.85-90, 2010 (SCI-Expanded)
- XII. **Effect of Estrogen, Progesterone, LH, and FSH on Oxidant and Antioxidant Parameters in Rat Uterine Tissue**  
Borekci B., Ingec M., Kumtepe Y., Karaca M., KOc F., Salman S., Gulaboglu M., Suleyman H.  
INTERNATIONAL JOURNAL OF FERTILITY & STERILITY, vol.3, no.3, pp.119-128, 2009 (SCI-Expanded)
- XIII. **Pharmacokinetics and Penetration into the Aqueous Humor of Long Action Oxytetracycline after**

### **Single Dose Intravenous and Intramuscular Administrations in Rabbits**

KOÇ F., Kaynar O., Okumus Z., Dogan E., YANMAZ L. E.

JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.8, no.10, pp.1900-1905, 2009 (SCI-Expanded)

- XIV. **Pharmacokinetic disposition of enrofloxacin in brown trout (*Salmo trutta fario*) after oral and intravenous administrations**  
KOC F., Uney K., Atamanalp M., Tumer I., Kaban G.  
AQUACULTURE, vol.295, pp.142-144, 2009 (SCI-Expanded)
- XV. **Pharmacokinetics of florfenicol after intravenous and intramuscular administration in New Zealand White rabbits**  
KOC F., Ozturk M., Kadioglu Y., Dogan E., Yanmaz L. E., Okumus Z.  
RESEARCH IN VETERINARY SCIENCE, vol.87, no.1, pp.102-105, 2009 (SCI-Expanded)
- XVI. **Gastroprotective and Antioxidant Effects of Opipramol on Indomethacin-induced Ulcers in Rats**  
DURŞUN H., ALBAYRAK F., Bilici M., KOÇ F., Alp H. H., Candar T., Kukula O.  
YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, vol.129, no.7, pp.861-869, 2009 (SCI-Expanded)
- XVII. **Comparative study on the gastroprotective potential of some antidepressants in indomethacin-induced ulcer in rats**  
Suleyman H., ÇADIRCI E., ALBAYRAK A., ERKAYMAN B., HALICI Z., KOÇ F., HACİMÜFTÜOĞLU A., BAYIR Y.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.180, no.2, pp.318-324, 2009 (SCI-Expanded)
- XVIII. **The Investigation of Protective Effects of the Panax ginseng on Oxidative Damage Induced by Chronic Fluoride Toxicity in Mice Testis Tissue**  
Karadeniz A., Simsek N., Koc F., Alp H.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.15, no.1, pp.1-8, 2009 (SCI-Expanded)
- XIX. **Pharmacokinetics of florfenicol in the plasma of Japanese quail**  
KOÇ F., Uney K., ÖZTÜRK M., KADIOĞLU Y., ATILA A.  
NEW ZEALAND VETERINARY JOURNAL, vol.57, no.6, pp.388-391, 2009 (SCI-Expanded)
- XX. **Screening Cage Culture Fish Species for Organic Chlorinated Pesticide and Polychlorinated Biphenyl Residues in Turkey**  
KOÇ F., Gurel Y., Yigit Y., Atamanalp M., Das Y. K., Kisa F.  
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.60, no.4, pp.253-260, 2008 (SCI-Expanded)
- XXI. **Determination of aldicarb, propoxur, carbofuran, carbaryl and methiocarb residues in honey by HPLC with post-column derivatization and fluorescence detection after elution from a florasil column**  
KOC F., Yigit Y., Das Y. K., Gurel Y., Yaral C.  
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.16, no.3, pp.39-45, 2008 (SCI-Expanded)
- XXII. **Effects of additives on laying performance, metabolic profile, and egg quality of hens fed a high level of sorghum (*Sorghum vulgare*) during the peak laying period**  
Imik H., Hayirli A., Turgut L., Lacin E., Celebi S., KOÇ F., Yildiz L., Yildiz L.  
ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES, vol.19, no.4, pp.573-581, 2006 (SCI-Expanded)
- XXIII. **The screening of quinolone residues in animal tissues using HPLC**  
KOC F.  
Indian Vet. J., vol.83, no.10, pp.1063-1064, 2006 (SCI-Expanded)
- XXIV. **Influence of experimentally induced toxoplasmosis (*Toxoplasma gondii*) on the pharmacokinetics of levofloxacin**  
Yarsan E., Tanyuksel M., KOC F., Essiz D., Babur C.  
BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY, vol.47, no.2, pp.479-485, 2003 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **HAYVAN VENOMLARI VE İLAÇ TASARIMINDA KULLANIMLARI**  
Çalmlı S., Koç F.

Sağlık Bilimleri Dergisi, vol.31, no.1, pp.107-112, 2022 (Peer-Reviewed Journal)

- II. **THE PROTECTIVE EFFECTS OF DILL (*Anethumgraveolens*L.) IN PARACETAMOL-INDUCED ACUTE TOXICATION IN MICE**  
KORKMAZ S., KOÇ F.  
International Journal of Agricultural and Natural Sciences, vol.14, no.1, pp.47-60, 2021 (Peer-Reviewed Journal)
- III. **The effects of chrysin on cypermethrin-induced acute intoxication in rainbow trout (*Oncorhynchus mykiss*)**  
KOÇ F., CERİT Ö.  
fisheriesaquatic life, vol.27, pp.105-114, 2019 (Peer-Reviewed Journal)
- IV. **Gıdalarda Kimyasal Kalıntılar ve Analiz Metotları**  
DOĞAN Y., KOÇ F.  
Erciyes Üniversitesi Veteriner Fakültesi Dergisi, vol.15, no.3, pp.264-270, 2018 (Peer-Reviewed Journal)
- V. **The Serum Protein Fractions in Streptozotocin (STZ) Administrated Rat Models**  
Rağbetli C., Dede S., KOÇ F., Yüksek v., Rağbetli M. Ç.  
Pharmacognosy Journal, vol.9, no.1, pp.35-38, 2017 (Scopus)
- VI. **Harmful Effects of Biocides on Honeybees**  
Gürel y., ÇARHAN A., KOÇ F., DAŞ Y. K.  
Turkish Journal of Occupational / Environmental Medicine and Toxicology, vol.1, no.2, pp.34, 2015 (Non Peer-Reviewed Journal)
- VII. **Antidepresan İlaçların Sıçanlarda Antiinflamatuvar Aktivitesi**  
KOÇ F., SÜLEYMAN H., POLAT B.  
The Eurasian Journal of Medicine, vol.39, pp.169-172, 2007 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of plasmid-mediated quinolone resistance genes in *Chrysobacterium* species isolated from farmed rainbow trout in Turkey**  
Saticioğlu İ. B., Duman M., Altun S., Yılmaz E., Şimşek E., Koç F.  
I.Uluslararası VI.Veteriner Farmakoloji ve Toksikoloji Kongresi, Kayseri, Turkey, 4 - 07 September 2019, pp.371-372
- II. **The protective effects of *Anethum graveolens* on paracetamol-induced acute toxication in mice**  
KORKMAZ S., KOÇ F.  
International congress on advances in Bioscience and biotechnology (ICABB), 25 - 29 October 2017
- III. **The effects of chrysin on cypermethrin-induced acute toxication in rainbow trout (*Oncorhynchus mykiss*).**  
CERİT Ö., KOÇ F.  
International congress on advances in Bioscience and biotechnology (ICABB), 25 - 29 October 2017
- IV. **Harmful Effects of Biocides on Honey bees**  
Gürel y., ÇARHAN A., KOÇ F., DAŞ Y. K.  
2. ulusal biosidal kongresi, Turkey, 9 - 13 November 2015, vol.1
- V. **The Electrophoretical Determination of Serum Protein Fractions in STZ Induced Experimental Diabetic Rat Models**  
RAĞBETLİ C., DEDE S., KOÇ F., YÜKSEK V., RAĞBETLİ M. Ç.  
the 6th International Scientific Writing Workshop, 26 - 27 March 2015
- VI. **Determination of florfenicol in plasma of rabbit by high-performance liquid chromatography after solid phase extraction**  
KOÇ F., Atila A., Karakus E., Cetin N.  
12th EAVPT Congress. European Veterinary Pharmacology and Toxicology Congress, Amsterdam, Netherlands, 8 - 12 July 2012, vol.35, pp.89
- VII. **In vivo effect of enrofloxacin (EF) on paraoxonase, catalase, peroxidase and carbonic anhydrase**

### activities on Brown trout (*Salmo trutta fario*)

Nadaroglu H., KOc F., Demir N., Demir Y.

34th FEBS Congress. Life's Molecular Interactions, FEBS Journal, Prag, Czech Republic, 4 - 09 July 2009, vol.276, pp.330

### VIII. Feeding laying hens low-tanning sorghum does not necessitate extra supplements (methionine, lysine, choline and sulfur

Imik H., Hayirli A., Turgut L., Lacin E., Celebi S., KOc F., Yildiz L.

Poultry Science Annual Conference, Edmonton, Canada, 16 July 2006 - 19 July 2007, vol.85, pp.106

## Supported Projects

KOÇ F., ÇALIMLI S., Project Supported by Higher Education Institutions, Sipermetrinle subakut toksisite oluşturulan ratlarda rutin yüklü bovine serum albumin nanopartiküllerinin etkilerinin araştırılması, 2020 - 2023

KOÇ F., ÜVENÇ E. N., Project Supported by Higher Education Institutions, Flumethrin ile subakut toksisite oluşturulan ratlarda baicalinin etkilerinin araştırılması, 2020 - 2021

SATICIOĞLU İ. B., YILMAZ E., KOÇ F., ŞİMŞEK E., ALTUN S., DUMAN M., Project Supported by Higher Education Institutions, Gökkuşığı alabalığı *Oncorhynchus mykiss* Walbaum 1792 kuluçkahanelerinden izole edilen *Chryseobacterium* türlerinin moleküler identifikasyonu ve antimikrobiyal direnç gelişiminde rol oynayan genlerin belirlenmesi, 2018 - 2019

KOÇ F., LİMAN B. C., TEKELİ M. Y., KANBUR M., Project Supported by Higher Education Institutions, Ratlarda lipopolisakkarit ile indüklenen deneysel sepsiste krisinin etkilerinin araştırılması, 2017 - 2019

KOÇ F., CERİT Ö., Project Supported by Higher Education Institutions, Sipermetrin ile akut toksisite oluşturulan gökkuşığı alabalıklarında (*Oncorhynchus mykiss*) krisinin koruyucu etkilerinin araştırılması, 2017 - 2018

KOÇ F., KORKMAZ S., Project Supported by Higher Education Institutions, Farelerde parasetamol ile oluşturulan akut zehirlenmede *Anethum graveolens* (dereotu)'in etkisi, 2016 - 2017

KOÇ F., ORUÇ E., ÖZKANLAR S., GÜVENALP Z., TÜBİTAK Project, Deneysel (Cecal Ligation- Puncture ile Indüklenmiş) Septik Ratlarda *Malva sylvestris* (Ebe Gümeci) Ektresinin Akciğer, Karaciğer Ve Böbrek Dokularına Koruyucu Etkisinin Histopatolojik Ve Biyokimyasal Yönden Araştırılması, 2015 - 2016

Koç F., Project Supported by Higher Education Institutions, Laktasyondaki ve laktasyonda olmayan koyunlarda flofenikolün farmakokinetiğinin belirlenmesi BAP 2010 157, 2010 - 2012

Koç F., Project Supported by Higher Education Institutions, Atatürk Üniversitesi, Veteriner Fakültesi, Farmakoloji ve Toksikoloji Laboratuvarının Eksikliklerinin Giderilmesi Projesi, 2010 - 2012

Koç F., Karakuş E., Project Supported by Higher Education Institutions, Dihydrocapsaicin in Östrojene bağlı meme kanseri hücre hattı MCF 7 proliferasyonuna östrojen ve tamoxifen altında etkisi BAP 2010 158, 2010 - 2012

Koç F., Project Supported by Higher Education Institutions, Tiyanepentin antiülser mekanizmasında adrenerjik reseptörlerin rolünün araştırılması BAP 2009 140, 2009 - 2011

Koç F., Project Supported by Higher Education Institutions, Tavşanlarda uzun etkili oksitetrasiklinin kas içi ve intrapalpebral uygulanması ve plazma ön kamara sıvısı farmakokinetiğinin HPLC yöntemi ile belirlenmesi BAP 2006 92, 2006 - 2008

KOÇ F., Project Supported by Other Official Institutions, Türkiye'de Yetiştirilen Etlik Piliçler ile Et ve Diğer Organlarının Anabolik Hormonlar, Beta-Agonistler Ve Pestisidler İle Kirlenme Durumunun İncelenmesi, 2000 - 2002

## Metrics

Publication: 41

Citation (WoS): 167

Citation (Scopus): 179

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

GIDA TARIM VE HAYVANCILIK BAKANLIĐI  
SAĐLIK BAKANLIĐI