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Academic Titles / Tasks

Associate Professor, Karabuk University, Sağlık Bilimleri Fakültesi, 2019 - Continues

Associate Professor, Agri Ibrahim Cecen University, Faculty Of Science And Letters, Department Of Chemistry, 2018 - 2019

Assistant Professor, Agri Ibrahim Cecen University, Faculty Of Pharmacy, Department Of Basic Sciences Of Pharmaceutics, 2013 - 2018

Research Assistant, Agri Ibrahim Cecen University, Faculty Of Science And Letters, Department Of Chemistry, 2009 - 2013

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Cytotoxic effects, microbiological analysis and inhibitory properties on carbonic anhydrase isozyme activities of 2-hydroxy-5-methoxyacetophenone thiosemicarbazone and its Cu(II), Co(II), Zn(II) and Mn(II) complexes**
UÇAR A., Findik M., KUZU M., PEHLİVANOĞLU S., SAYIN Ü., SAYIN Z., AKGEMCİ E. G.
RESEARCH ON CHEMICAL INTERMEDIATES, 2020 (Journal Indexed in SCI)
- II. **Zingerone protects liver and kidney tissues by preventing oxidative stress, inflammation, and apoptosis in methotrexate-treated rats**
Türk E., Güvenç M., Cellat M., Uyar A., KUZU M., Ağgül A. G. , Kırbaş A.
Drug and Chemical Toxicology, 2020 (Journal Indexed in SCI Expanded)
- III. **Protective effect of morin on doxorubicin-induced hepatorenal toxicity in rats**
Kuzu M., YILDIRIM S., KANDEMİR F. M. , KÜÇÜKLER S., Çağlayan C., Türk E., Dörtbudak M. B.
Chemico-Biological Interactions, vol.308, pp.89-100, 2019 (Journal Indexed in SCI Expanded)
- IV. **Protective Effect of Hesperidin on Sodium Arsenite-Induced Nephrotoxicity and Hepatotoxicity in Rats**
Turk E., KANDEMİR F. M. , YILDIRIM S., Çağlayan C., KÜÇÜKLER S., Kuzu M.
Biological Trace Element Research, vol.189, pp.95-108, 2019 (Journal Indexed in SCI Expanded)
- V. **Inhibitory effects of some flavonoids on thioredoxin reductase purified from chicken liver**
TÜRKOĞLU E. E. , Kuzu M., Ayasan T., Inci H., Eratak S.
Revista Brasileira de Ciencia Avicola, vol.21, 2019 (Journal Indexed in SCI Expanded)
- VI. **Evaluation of the effects of Cyclotrichium niveum on brain acetylcholinesterase activity and oxidative stress in male rats orally exposed to lead acetate**
ŞAHİN Z., Ozkaya A., Uckun M., Yologlu E., Kuzu M., Comakli V., Demirdag R., Tel A. Z. , Aymelek F., Yologlu S.
Cellular and Molecular Biology, vol.65, pp.3-8, 2019 (Journal Indexed in SCI Expanded)
- VII. **Morin attenuates doxorubicin-induced heart and brain damage by reducing oxidative stress, inflammation and apoptosis**
Kuzu M., KANDEMİR F. M. , YILDIRIM S., KÜÇÜKLER S., Çağlayan C., Turk E.
Biomedicine and Pharmacotherapy, vol.106, pp.443-453, 2018 (Journal Indexed in SCI Expanded)

- VIII. **Inhibitory properties of some heavy metals on carbonic anhydrase I and II isozymes activities purified from Van Lake fish (*Chalcalburnus Tarichi*) gill**
Kuzu M., Çomaklı V., Akkemik E., Çiftci M., KÜFREVİOĞLU Ö. İ.
Fish Physiology and Biochemistry, vol.44, pp.1119-1125, 2018 (Journal Indexed in SCI Expanded)
- IX. **Role of geraniol against lead acetate-mediated hepatic damage and their interaction with liver carboxylesterase activity in rats**
Ozkaya A., Sahin Z., Kuzu M., SAĞLAM Y. S., Ozkaraca M., Uckun M., Yologlu E., Comakli V., Demirdag R., Yologlu S.
Archives of Physiology and Biochemistry, vol.124, pp.80-87, 2018 (Journal Indexed in SCI Expanded)
- X. **In vitro effects of some heavy metal ions on cytosolic thioredoxin reductase purified from rainbow trout gill tissues**
Akyol H., Kuzu M.
Fresenius Environmental Bulletin, vol.26, pp.4677-4683, 2017 (Journal Indexed in SCI Expanded)
- XI. **Purification of glucose-6-phosphate dehydrogenase and glutathione reductase enzymes from the gill tissue of Lake Van fish and analyzing the effects of some chalcone derivatives on enzyme activities**
Kuzu M., Aslan A., Ahmed I., Comakli V., Demirdag R., Uzun N.
Fish Physiology and Biochemistry, vol.42, pp.483-491, 2016 (Journal Indexed in SCI Expanded)
- XII. **Inhibitory and Activating Effects of Some Flavonoid Derivatives on Human Pyruvate Kinase Isoenzyme M2**
Adem S., Aslan A., Ahmed I., Krohn K., Guler C., Comakli V., Demirdag R., Kuzu M.
Archiv der Pharmazie, vol.349, pp.132-136, 2016 (Journal Indexed in SCI Expanded)
- XIII. **Purification and Characterization of Carbonic Anhydrase from Ağrı Balik Lake Trout Gill (*Salmo trutta labrax*) and Effects of Sulfonamides on Enzyme Activity**
Demirdag R., Comakli V., Kuzu M., Yerlikaya E., Şentürk M.
Journal of Biochemical and Molecular Toxicology, vol.29, pp.123-128, 2015 (Journal Indexed in SCI Expanded)
- XIV. **Characterization and purification of glutathione S-transferase from the liver and gill tissues of Ağrı Balik lake trout *Salmo trutta labrax* and the effects of heavy metal ions on its activity**
Çomaklı V., Kuzu M., Demirdag R.
Journal of Aquatic Animal Health, vol.27, pp.145-151, 2015 (Journal Indexed in SCI Expanded)
- XV. **Purification and characterization of NADPH-cytochrome P450 reductase from Lake Van fish liver microsomes and investigation of some chemical and metals' Effects on the enzyme activity**
Kuzu M., Ciftci M.
Turkish Journal of Chemistry, vol.39, pp.149-158, 2015 (Journal Indexed in SCI Expanded)
- XVI. **Examination of Changes in Enzyme Activities of Erythrocyte Glucose 6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Rats Given Naringenin and Lead Acetate**
Demirdag R., Comakli V., Ozkaya A., Sahin Z., Dag U., Yerlikaya E., Kuzu M.
Journal of Biochemical and Molecular Toxicology, vol.29, pp.43-47, 2015 (Journal Indexed in SCI Expanded)
- XVII. **Investigation of the effects of some phenolic compounds on the activities of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase from human erythrocytes**
Adem S., Comakli V., Kuzu M., Demirdag R.
Journal of Biochemical and Molecular Toxicology, vol.28, pp.510-514, 2014 (Journal Indexed in SCI Expanded)
- XVIII. **An analysis of expression patterns of genes encoding proteins with catalytic activities**
Cankaya M., Hernandez A. M., Ciftci M., Beydemir S., Ozdemir H., Budak H., Gulcin I., Comakli V., Emircupani T., Ekinci D., et al.
BMC Genomics, vol.8, 2007 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Alterations in Enzyme Activity of Carbonic Anhydrase, 6-phosphogluconate Dehydrogenase and Thioredoxin Reductase in Rats Exposed to Doxorubicin and Morin**
AĞGÜL A. G., KUZU M., KANDEMİR F. M., ÇAĞLAYAN C., KÜÇÜKLER S.

- Clinical and Experimental Health Sciences, vol.10, pp.228-234, 2020 (Refereed Journals of Other Institutions)
- II. **Microvawe assisted synthesis of N-(methyl and methoxy) benzylidene-4-fluoroaniline derivatives and their carbonic anhydrase I and II inhibition properties**
Celik H., Kuzu M.
Organic Communications, vol.12, pp.210-216, 2019 (Refereed Journals of Other Institutions)
- III. **Compounds from Terminalia mantaly L. (Combretaceae) Stem Bark Exhibit Potent Inhibition against Some Pathogenic Yeasts and Enzymes of Metabolic Significance**
Tchuenmogne M. A. T. , Kammalac T. N. , Gohlke S., Kouipou R. M. T. , ASLAN A., KUZU M., ÇOMAKLI V., DEMİRDAĞ R., Ngouela S. A. , Tsamo E., et al.
Medicines, vol.4, pp.6, 2017 (Refereed Journals of Other Institutions)
- IV. **In vivo effects of naringenin and lead on rat erythrocyte carbonic anhydrase enzyme Naringenin ve Kurşunun Sıçan Eritrosit Karbonik Anhidraz Enzimi Üzerine In Vivo Etkileri**
Kuzu M., Özkaya A., Şahin Z., Dağ Ü., Çomaklı V., Demirdağ R.
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.9-12, 2017 (Refereed Journals of Other Institutions)
- V. **NovelCarbonicAnhydraseActivatorsintheRatsExposedtoH2O2**
KUZU M., DEMİRDAĞ R., ÖZKAYA A., ÇOMAKLI V., ŞAHİN Z., DARDAĞAN U., UZUN K., KOCA M.
Hacettepe Journal of Biology and Chemistry, vol.44, pp.409-417, 2016 (Refereed Journals of Other Institutions)
- VI. **The Effect of Safranin on Glutathione Reductase and Glucose 6 Phosphate Dehydrogenase Enzymes**
KUZU M., ŞENTÜRK M., ÇİFTÇİ M.
Hacettepe J. Biol. & Chem, vol.39, pp.189-194, 2011 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **ERKEK RATLARDA ALUMİNYUM KLORİD İLE OLUŞTURULMUŞ REPRODUKTİF HASAR MODELİNDE ESCULETİN'İN ETKİLERİ**
TÜRK E., TEKELİ İ. O. , ÖZKAN H., UYAR A., CELLAT M., KUZU M., YAVAŞ İ., ALIZADEH YEGANI A., YAMAN T., GÜVENÇ M.
IV.INTERNATIONAL CONFERENCE ONAGRICULTURE, ANIMAL SCIENCE AND RURAL DEVELOPMENT, Ankara, Turkey, 12 - 14 June 2020, pp.73-75
- II. **RATLARDA METOTREKSAT İLE OLUŞTURULMUŞ DENEYSSEL TOKSİSİTE MODELİNDE ZİNGERON'UN ETKİLERİNİN ARAŞTIRILMASI**
TÜRK E., GÜVENÇ M., CELLAT M., UYAR A., KUZU M., AĞGÜL A. G. , KIRBAŞ A.
Uluslararası Harran Sağlık Bilimleri Kongresi, Şanlıurfa, Turkey, 5 - 07 June 2020, pp.8-9
- III. **INVESTIGATION OF THE INHIBITORY PROPERTIES OF HMAPT AND ITS Cu(II) COMPLEX**
UÇAR A., KUZU M., AKGEMCİ E. G.
UMTEB 6. ULUSLARARASİMESLEKİ VE TEKNİK BİLİMLER KONGRESİ, 11 - 12 April 2019
- IV. **Synthesis and carbonic anhydrase inhibitory properties of HMAAT and its Cu(II) complex**
UÇAR A., KUZU M., AKGEMCİ E. G.
ERASMUS International Academic Research Symposium on Science, Engineering and Architecture Sciences, 5 - 06 April 2019
- V. **Carbonic Anhydrase Inhibitory Proterties of Different Extracts from Alcea dissecta**
TÜRKOĞLU E. A. , KUZU M., TAŞKIN T.
4. International Symposium of Medicinal and Aromatic Plants, 2 - 04 October 2018
- VI. **Protective effects of hesperidin against sodium arsenate-inducedkidney toxicity**
TÜRK E., KANDEMİR F. M. , YILDIRIM S., ÇAĞLAYAN C., Küçükler S., KUZU M.
7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- VII. **Neuroprotective effect of morin on rats exposed to doxorubicin**
KUZU M., KANDEMİR F. M. , YILDIRIM S., Küçükler S., ÇAĞLAYAN C., TÜRK E.
7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- VIII. **Ratlarda Doksorubisinin Oluşturduğu Kardiyotoksisteye Karşı Morinin Koruyucu Etkisi**

KUZU M., KANDEMİR F. M. , YILDIRIM S., ÇAĞLAYAN C., KÜÇÜKLER S., TÜRK E.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018

- IX. **Sodyum Arsenat ile İndüklenen Karaciğer Toksisitesine Karşı Hesperidin'in Koruruyu Etkileri**
TÜRK E., KANDEMİR F. M. , YILDIRIM S., KÜÇÜKLER S., ÇAĞLAYAN C., KUZU M.
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018
- X. **Protection by Geraniol of Lead-Acetate Induced Oxidative Stress on Rat Liver Biochemical Parameters**
ÖZKAYA A., YOLOĞLU E., UÇKUN M., ŞAHİN Z., YOLOĞLU S., KUZU M., ÇOMAKLI V., DEMİRDAĞ R.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 18 - 21 April 2017
- XI. **Bazı Flavonoid Türevlerinin Tavuk Karaciğerinden Safılaştırılan Sitozolik Tioredoksin Redüktaz Enzimi Üzerine İn Vitro Etkileri**
KUZU M.
5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XII. **Purification of Thioredoxin Reductase Enzyme from Rainbow Trout Gill Tissue and Investigation The Effects of Some Heavy Metals on the Enzyme Activity**
KUZU M., AKYOL H.
5TH INTERNATIONAL MOLECULAR BIOLOGY AND BIOTECHNOLOGY CONGRESS, 25 - 29 August 2016
- XIII. **Investigation of Effects of Some Drugs on the Rat Kidney and Liver Glutathione Reductase**
ADEM Ş., AKTÜRK Y., ÜNLÜ Z., ÇOMAKLI V., DEMİRDAĞ R., KUZU M., ÖZTEKİN A.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 21 - 23 April 2016
- XIV. **Assessment of Role of Naringenin on Erythrocyte Carbonic Anhydrase Activity in Rats Exposed to Lead Acetate**
ŞAHİN Z., DEMİRDAĞ R., ÇOMAKLI V., ÖZKAYA A., KUZU M., DAĞ Ü.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 21 - 23 April 2016
- XV. **Investigation of Effect of 1 3 Bis 2 Chlorobenzoyl Imidazoline 2 Thione on H2O2 Induced Oxidative Stress in the Liver**
ÇOMAKLI V., ÖZKAYA A., DEMİRDAĞ R., ŞAHİN Z., KUZU M., DARDAĞAN U., ASLAN A., UZUN K., KOCA M.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 21 - 23 April 2016
- XVI. **BENZOFURAN 2 İL 3 FENİL 3 METİLSİKLOBÜTİL KETOKSİM BENZOFURAN 2 İL 3 METİL 3 MEZİTİLSİKLOBÜTİL KETON TİYOSEMİKARBAZON VE 1 3 BİS 2 KLORBENZOİL İMİDAZOLİN 2 TİYON İLE H2O2 NİN BAZI DOKULARDA KARBONİK ANHİDRAZ AKTİVİTESİ ÜZERİNE İN VİVO ETKİLERİNİN ARAŞTIRILMASI**
DEMİRDAĞ R., KUZU M., ÖZKAYA A., ÇOMAKLI V., ŞAHİN Z., Dardağan U., Uzun K., KOCA M.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XVII. **İN VİTRO ORTAMDA BAZI FLAVONOİDLERİN PİRUVAT KİNAZ ENZİMİ ÜZERİNE ETKİLERİNİN ARAŞTIRILMASI**
ADEM Ş., ASLAN A., Ahmed I., Güler Ç., DEMİRDAĞ R., KUZU M., ÇOMAKLI V.
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015