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Education Information

Doctorate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1990 - 1995

Post Graduate, Cukurova University, Tıp Fakültesi, Biyokimya, Turkey 1986 - 1988

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1981 - 1985

Dissertations

Post Graduate, Früktozamin ve Glikate Hemoglobin Ölçüm Metodları Üzerinde İncelemeler ve Hipertansiyonlu Vakalarda Lipid Profili ile Beraber Değerlendirilmesi, Cukurova University, Tıp Fakültesi, Biyokimya, 1988

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Chemistry, Biochemistry, Enzyme Kinetics, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, 2015 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi , Kimya Bölümü, 1989 - Continues

Courses

Mineraller ve Önemi, Doctorate, 2013 - 2014

Advising Theses

BİLGİN R., HLA GENİ RS3077 VE RS9277535 POLİMORFİZMLERİ İLE KRONİK HEPATİT B VİRÜS ENFEKSİYONU ARASINDAKİ İLİŞKİNİN ARAŞTIRILMASI, Doctorate, E.AKGÖLLÜ(Student), 2016

BİLGİN R., kronik lenfositik lösemide (KLL) metilentetrahidrofolat redükaz (MTHFR) ENZİMİNİN gen polimorfilerinin araştırılması, Doctorate, a.umay(Student), 2016

BİLGİN R., KATALAZ ENZİMİNİN KEREVİZDEN (Apium graveolens) SAFLAŞTIRILMASI, Post Graduate, Ö.GÜNGÖR(Student), 2015

BİLGİN R., KATALAZ ENZİMİNİN CEVİZDEN (JUGLANS REGİA) SAFLAŞTIRILMASI, Post Graduate, Ç.AKAR(Student),

2015

BİLGİN R., GLUTATYON-S-TRANSFER ENZİMİNİN EPİKLOROHİDRİN ARA KOLU ÜZERİNDEN MAGNETİK DEMİR NANOPARTİKÜLLERE KOVALENT İMMOBİLİZASYONU VE KARAKTERİZASYONU, Post Graduate, M.KEMAL(Student),

2015

BİLGİN R., SELÜLAZ ENZİMİNİN RELİZYME VE SEPABEADS DESTEKLER ÜZERİNE İMMOBİLİZASYONU VE KARAKTERİZASYONU", Doctorate, M.serkan(Student), 2013

BİLGİN R., SUPEROKSİT DİSMUTAZ ENZİMİNİN NARDAN(PUNİCA GRANATUM L.) SAFLAŞTIRILMASI VE KARAKTERİZASYONU, Post Graduate, Ç.ÖZDEMİR(Student), 2011

BİLGİN R., ALKOLDEHİDROGENAZ (ADH) ENZİMİNİN TAVUK KARACİĞERİNDEN SAFLAŞTIRILMASI VE FLORİSİL ÜZERİNE İMMOBİLİZASYONU, Post Graduate, H.ERSÖZ(Student), 2010

BİLGİN R., KATALAZ ENZİMİNİN HIYARDAN(CUCIMUS SATIVUS) SAFLAŞTIRILMASI, Post Graduate, R.SERİNER(Student), 2010

BİLGİN R., YAŞA BAĞLI OLARAK ANTİOKSİDAN ENZİMLERİNİN SÜPEROKSİT DİSMUTAZ (SOD), KATALAZ (CAT) AKTİVİTELERİNİN VE MALONDİALDEHİT (MDA) SEVİYESİNİN İNCELENMESİ, Post Graduate, N.KURT(Student), 2008

BİLGİN R., HEPATİTLİ HASTALARDA ANTİOKSİDAN ENZİMLERİNİN SÜPEROKSİT DİSMUTAZ (SOD),GLUTATYON PEROKSİDAZ (GSH-Px) VE KATALAZ (CAT) AKTİVİTE DÜZEYLERİNİN İNCELENMESİ, Post Graduate, M.SERKAN(Student), 2007

BİLGİN R., SÜPEROKSİT DİSMUTAZ ENZİMİNİN İNSAN ERİTROSİTLERİNDEN SAFLAŞTIRILMASI VE BAZI PESTİSİTLERİN ENZİM AKTİVİTESİ ÜZERİNE ETKİSİNİN İNCELEMESİ, Doctorate, H.KARADAĞ(Student), 2007

BİLGİN R., RETİNAL GUANİLAT SIKLAZ AKTİVİTESİ ÜZERİNE ATP,AMP-PNP VE ALL-TRANS RETİNAL ETKİSİNİN İNCELENMESİ, Post Graduate, M.ERBAKAN(Student), 2007

BİLGİN R., LAVANDULA STOECHAS, MELİSSA OFFİCİNALİS VE TRIBULUS TERRESTRİS BİTKİLERİNİN KİMYASAL İÇERİKLERİNİN ARAŞTIRILMASI, Post Graduate, A.UMAY(Student), 2007

BİLGİN R., BEZELYE (PISUM SATIVUM)'DEN LİPOKSİJENAZ ENZİMİNİN SAFLAŞTIRILMASI, Post Graduate, O.SARI(Student), 2006

BİLGİN R., SOYA FASULYESİ LİPOKSİJENAZININ POLİAKRİLAMİD JEL ÜZERİNE İMMOBİLİZASYONU, Post Graduate, H.KARADAĞ(Student), 2001

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

- I. **Association between chronic hepatitis B virus infection and HLA-DP gene polymorphisms in the Turkish population**
Akgollu E., BİLGİN R., AKKIZ H., Ulger Y., Kaya B. Y. , KARAOĞULLARINDAN Ü., ARSLAN Y. K.
VIRUS RESEARCH, vol.232, pp.6-12, 2017 (Journal Indexed in SCI)
- II. **Determination of Some Hematological and Non-Specific Immune Defences, Oxidative Stress and Histopathological Status in Rainbow Trout (Oncorhynchus mykiss) Fed Rosehip (Rosa canina) to Yersinia ruckeri**
ŞAHAN A., DUMAN S., Colak S. O. , Cinar E., BİLGİN R.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.17, pp.91-100, 2017 (Journal Indexed in SCI)
- III. **Optimization of covalent immobilization of Trichoderma reesei cellulase onto modified ReliZyme HA403 and Sepabeads EC-EP supports for cellulose hydrolysis, in buffer and ionic liquids/buffer media**
BİLGİN R., Yalcin M. S. , YILDIRIM D.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, pp.1276-1284, 2016 (Journal Indexed in SCI)
- IV. **Purification of catalase from the walnut (Juglans Regia)**
BİLGİN R., Calgar A.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- V. **Modulating actions of NMDA receptors on pronociceptive effects of locally injected remifentanil in diabetic rats**
Mert T., Oksuz H., Tugtag B., Kilinc M., Senoglu N., BİLGİN R.

- PHARMACOLOGICAL REPORTS, vol.66, pp.1065-1072, 2014 (Journal Indexed in SCI)
- VI. **Catalase Activity Expression in Patients with Plasmodium vivax Malaria**
BİLGİN R., YALCIN M. S. , KILIÇ E., KAYA E., Yazar S., KOLTAŞ İ. S.
ASIAN JOURNAL OF CHEMISTRY, vol.25, pp.2500-2502, 2013 (Journal Indexed in SCI)
- VII. **Oxidative Stress in Vivax Malaria**
BİLGİN R., YALCIN M. S. , YÜCEBİLGİÇ G., KOLTAŞ İ. S. , Yazar S.
KOREAN JOURNAL OF PARASITOLOGY, vol.50, pp.375-377, 2012 (Journal Indexed in SCI)
- VIII. **Effects of Chloroform on the Activity of Na⁺-K⁺ Atpase, Catalase, Glutathione and Malondialdehyde Levels in Human Erythrocytes**
Gul S., BİLGİN R., Tükel S.
ASIAN JOURNAL OF CHEMISTRY, vol.23, pp.166-168, 2011 (Journal Indexed in SCI)
- IX. **Effect of Cyprodinil and Fludioxonil Pesticides on Human Superoxide Dismutase**
KARADAG H., BİLGİN R.
ASIAN JOURNAL OF CHEMISTRY, vol.22, pp.8147-8154, 2010 (Journal Indexed in SCI)
- X. **Partial purification and immobilization of a new (R)-hydroxynitrile lyase from seeds of Prunus pseudoarmeniaca**
TÜKEL S. S. , YILDIRIM D., ALAGÖZ D., Alptekin O., Yucebiligic G., BİLGİN R.
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.66, pp.161-165, 2010 (Journal Indexed in SCI)
- XI. **PURIFICATION OF COPPER-ZINC SUPEROXIDE DISMUTASE FROM HUMAN ERYTHROCYTES AND PARTIAL CHARACTERIZATION**
KARADAG H., BİLGİN R.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.24, pp.1653-1656, 2010 (Journal Indexed in SCI)
- XII. **Antioxidant Enzyme Status in Human Cystic Echinococcosis**
YÜCEBİLGİÇ G., BİLGİN R., ERBAKAN M., KOLTAŞ İ. S. , PARSAK C. K.
ASIAN JOURNAL OF CHEMISTRY, vol.21, pp.5453-5457, 2009 (Journal Indexed in SCI)
- XIII. **Effects of Sodium Bicarbonate on Anaesthesia of Common Carp (Cyprinus carpio L., 1758) Juveniles**
ALTUN T., BİLGİN R., DANABAS D.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.9, pp.29-31, 2009 (Journal Indexed in SCI)
- XIV. **Serum malondialdehyde level in patients with cystic echinococcosis**
Koltas I. S. , Yucebiligic G., Bilgin R., Parsak C. K. , Sakman G.
SAUDI MEDICAL JOURNAL, vol.27, pp.1703-1705, 2006 (Journal Indexed in SCI)
- XV. **Immobilization of soybean lipoxygenase onto polyacrylamide gel**
Karadağ H., BİLGİN R., TÜKEL S. S.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.20, pp.95-100, 2006 (Journal Indexed in SCI Expanded)
- XVI. **Free radicals and antioxidants in primary fibromyalgia: an oxidative stress disorder?**
BAGIS S., Tamer L., SAHIN G., Bilgin R., GULER H., Ercan B., ERDOGAN C.
RHEUMATOLOGY INTERNATIONAL, vol.25, pp.188-190, 2005 (Journal Indexed in SCI)
- XVII. **The effects of the caffeic acid phenethyl ester (CAPE) on erythrocyte membrane damage after hind limb ischaemia-reperfusion**
Tamer L., Sucu N., Ercan B., Unlu A., Calikoglu M., Bilgin R., Degirmenci U., Atik U.
CELL BIOCHEMISTRY AND FUNCTION, vol.22, pp.287-290, 2004 (Journal Indexed in SCI)
- XVIII. **Effects of lead on Na⁺-K⁺ ATPase and Ca²⁺ ATPase activities and lipid peroxidation in blood of workers**
Yucebiligic G., Bilgin R., Tamer L., Tükel S. S.
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.22, pp.95-97, 2003 (Journal Indexed in SCI)
- XIX. **Effects of trimetazidine on tissue damage in kidney after hindlimb ischemia-reperfusion**
Sucu N., Unlu A., Tamer L., AYTACOGLU B., COSKUN B., Bilgin R., Ercan B., GUL A., DIKMENGİL M., Atik U.
PHARMACOLOGICAL RESEARCH, vol.46, pp.345-349, 2002 (Journal Indexed in SCI)
- XX. **Effects of sulfhydryl compounds on the inhibition of erythrocyte membrane Na⁺-K⁺ ATPase by ozone**
Bilgin R., Gul S., Tükel S. S.

- BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.47, pp.227-232, 1999 (Journal Indexed in SCI)
- XXI. **The effect of lead on sera malonyldialdehyde, vitamin C, vitamin E and erythrocyte reduced glutathione**
Tamer L., Yucebilgic G., Bilgin R., Tanriverdi K., Tukul S.
BIOCHEMICAL ARCHIVES, vol.14, pp.207-210, 1998 (Journal Indexed in SCI)
- XXII. **Effects of glucose on the activity of erythrocyte membrane Ca(2+)ATPase in subjects with normal and impaired glucose tolerance**
Bilgin R., Tukul S. S.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.39, pp.547-552, 1996 (Journal Indexed in SCI)
- XXIII. **EFFECTS OF OZONE ON THE ACTIVITY OF ERYTHROCYTE-MEMBRANE NA⁺-K⁺ ATPASE**
TUKEL S. S., BILGIN R., Gul S.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.33, pp.1033-1040, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Relationship between MTHFR gene polymorphisms (C677T and A1298C) and chronic lymphocytic leukemia in the Turkish population**
Umay A., BİLGİN R., Akgollu E., GÜRKAN E., Kis C.
META GENE, vol.17, pp.232-236, 2018 (Journal Indexed in ESCI)
- II. **Chemical composition of subcritical water extraction extract of Tribulus Terrestris**
Akgollu E., Umay A., TÜRK M., BİLGİN R.
FRENCH-UKRAINIAN JOURNAL OF CHEMISTRY, vol.6, pp.54-58, 2018 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Immobilization of Feruloyl Esterase on 3-aminopropyl-functionalized Silica Gel**
Çetin Ç., YILDIRIM D., BİLGİN R.
1. Euroasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 27 - 30 October 2018, pp.101
- II. **Covalent Immobilization and Characterization of Glutathione-S-Transferase Enzymes on to Magnetic iron Nanoparticles Via Epichlorohydrin Intermediate Spacer Arm**
BİLGİN R.
VI International Symposium Of Chemistry, Santa Clara, Cuba, 7 - 10 June 2016, pp.18
- III. **. Association between Chronic Hepatitis B Virus Infection and HLA Gene rs3077 and rs9277535 Polymorphisms in the Turkish population.**
BİLGİN R.
6 th Annual International Conference on Advance in Biotechnology, Singapur, Singapore, 28 - 29 March 2016, pp.10-14
- IV. **Association Of Single Nucleotide Polymorphisms Of Hla-Dp Genes With The Outcome Of Plasmodium Vivax Malaria**
BİLGİN R.
The 3rd Asia-Pacific Conference on Life Science and Engineering, (APCLSE 2015, Chiang Mai, Thailand, 18 - 20 November 2015, pp.11
- V. **Gökkuşuğu Alabalık (Oncorhynchus mykiss, Walbaum, 1792)'larında Yersinia ruckeri Enfeksiyonuna Karşı Kuşburnu (Rosa canina) Uygulamalarının, Karaciğer Antioksidan Enzim Aktiviteleri ve Histopatolojik Açidan İncelenmesi**
ŞAHAN A., DUMAN S., ÖZESEN ÇOLAK S., ÇINAR E., BİLGİN R.
18. Ulusal Su Ürünleri Sempozyumu, İzmir, Turkey, 1 - 04 September 2015, pp.120
- VI. **Serum Catalase Levels in Human Amebiasis**

- BİLGİN R.
11 th Baltic Congress of Laboratory Medicine, Vilnius, Lithuania, 10 - 12 May 2012, pp.20
- VII. **Determination of antioxidant enzyme activities superoxide dismutase, glutathione peroxidase and catalase in patient with viral hepatitis**
BİLGİN R.
. The 10th Baltic Congress in Laboratory Medicine, Talinn, Estonia, 16 - 18 September 2010, pp.17
- VIII. **. Determination of chemical composition lavandula stoechas, melisa officinalis, tribulus terrestris plant**
BİLGİN R.
11 th asian pacific congress of clinical biochemistry,, Pekin, China, 14 October 2007, pp.25
- IX. **. Levels of malondialdehyde in vivax malaria**
BİLGİN R.
14 th Meeting of the Balkan Clinical Laboratory Federation, Sofya, Bulgaria, 27 - 30 September 2006, pp.21
- X. **Purification of soybean lipoxygenase**
TÜKEL S. S. , YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XI. **Purification of soybean lipoxygenase**
TÜKEL S. S. , YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XII. **Purification of soybean lipoxygenase**
TÜKEL S. S. , YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XIII. **Purification of soybean lipoxygenase**
TÜKEL S. S. , YILDIRIM D., YÜCEBİLGİÇ G., BİLGİN R.
13th Meeting of Balkan Clinical Laboratory Federation, Tiran, Albania, 28 September - 01 October 2005, pp.87
- XIV. **Purification of soybean lipoxygenase**
Tukel S., Yildirim D., Bilgin R., Yucebilgic G.
30th Congress of the Federation-of-European-Biochemical-Societies (FEBS)/9th IUBMB Conference, Budapest, Hungary, 2 - 07 July 2005, vol.272, pp.502
- XV. **Effects of H₂O₂ and Fe⁺³-ascorbic acid on erythrocyte membrane Na-K ATPase**
BİLGİN R.
XI. Meeting of the Balkan Clinical Laboratory Federation, Belgrad, Serbia And Montenegro, 24 - 27 September 2003, pp.14
- XVI. **Plasma lipids, lipoproteins and apolipoproteins levels in 210 subjects in Adana.**
BİLGİN R.
18 th International Congress of Clinical Chemistry and Laboratory Medicine., Kyoto, Japan, 20 - 25 October 2002, pp.32
- XVII. **The changes of erythrocyte membrane Na-K ATPase activities in subjects with normal and impaired glucose tolerance**
BİLGİN R.
The Molecular Basis of Biological Membrane Protein Structure and Function, Frankfurt, Germany, 8 - 13 April 1995, pp.24
- XVIII. **Makarnalık Buğdayda (Triticum durum) Elektroforetik ve Bazı Biyokimyasal Yöntemlerle Kalite Özelliklerinin Belirlenmesi**
GENÇ İ., YAĞBASANLAR T., VELİ S., ÖZKAN H., TÜKEL S., BİLGİN R.
Makarnalık Buğday ve Mamülleri Simpozyumu, Ankara, Turkey, 30 November - 03 December 1993, pp.321-329

Supported Projects

KUTLU H. R. , BAYLAN M., ÇELİK BAYKAL L., BİLGİN R., Project Supported by Higher Education Institutions, Farklı Yağ ve

İz Mineral Kaynaklarının Etçi Damızlık Tavuklarda Verim ve Üreme Parametreleri ile Cıvcıvlerde Performans Üzerine Etkileri, 2015 - 2016

Invited Congress and Symposium Activities

Bilgin R., Koltas I.S. Serum Catalase Levels in Human Amebiasis. 11 th Baltic Congress of Laboratory Medicine. 10-12 May, Vilnius, Lithuania, 2012., Attendee, Vilnius,, Lithuania, 2012

Citations

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