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Education Information

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

Postgraduate, Cukurova University, Tıp Fakültesi, Biyokimya, Turkey 1986 - 1988

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1981 - 1985

Dissertations

Postgraduate, 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, 2010 - 2015

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, Postgraduate, Ö.GÜNGÖR(Student), 2015
BİLGİN R., KATALAZ ENZİMİNİN CEVİZDEN (JUGLANS REGIA) SAFLAŞTIRILMASI, Postgraduate, Ç.AKAR(Student), 2015
BİLGİN R., GLUTATYON-S-TRANSFER ENZİMİNİN EPİKLOROHİDRİN ARA KOLU ÜZERİNDEN MAGNETİK DEMİR NANOPARTİKÜLLERE KOVALENT İMMOBİLİZASYONU VE KARAKTERİZASYONU, Postgraduate, 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, Postgraduate, Ç.ÖZDEMİR(Student), 2011
BİLGİN R., ALKOLDEHİDROGENAZ (ADH) ENZİMİNİN TAVUK KARACİĞERİNDEN SAFLAŞTIRILMASI VE FLORİSİL ÜZERİNE İMMOBİLİZASYONU, Postgraduate, H.ERSÖZ(Student), 2010
BİLGİN R., KATALAZ ENZİMİNİN HIYARDAN(CUCIMUS SATIVUS) SAFLAŞTIRILMASI, Postgraduate, R.SERİNER(Student), 2010
BİLGİN R., YAŞA BAĞLI OLARAK ANTİOKSİDAN ENZİMLERİNİN SÜPEROKSİT DİSMUTAZ (SOD), KATALAZ (CAT) AKTİVİTELERİNİN VE MALONDİALDEHİT (MDA) SEVİYESİNİN İNCELENMESİ, Postgraduate, N.KURT(Student), 2008
BİLGİN R., HEPATİTLİ HASTALARDA ANTİOKSİDAN ENZİMLERİNİN SÜPEROKSİT DİSMUTAZ (SOD),GLUTATYON PEROKSİDAZ (GSH-Px) VE KATALAZ (CAT) AKTİVİTE DÜZEYLERİNİN İNCELENMESİ, Postgraduate, 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, Postgraduate, M.ERBAKAN(Student), 2007
BİLGİN R., LAVANDULA STOCHAS, MELİSSA OFFİCİNALİS VE TRİBULUS TERRESTRİS BİTKİLERİNİN KİMYASAL İÇERİKLERİNİN ARAŞTIRILMASI, Postgraduate, A.UMAY(Student), 2007
BİLGİN R., BEZELYE (PISUM SATIVUM)'DEN LİPOKSİJENAZ ENZİMİNİN SAFLAŞTIRILMASI, Postgraduate, O.SARI(Student), 2006
BİLGİN R., SOYA FASULYESİ LİPOKSİJENAZININ POLİAKRİLAMİD JEL ÜZERİNE İMMOBİLİZASYONU, Postgraduate, H.KARADAĞ(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of HLA-DP gene polymorphisms in Plasmodium Vivax-induced malaria susceptibility**
Akgöllü E., Demirkazık M., BİLGİN R.
Nucleosides, Nucleotides and Nucleic Acids, vol.43, no.6, pp.572-584, 2024 (SCI-Expanded)
- II. **Exploring beta irradiation responses in Sr²⁺-Doped hydroxyapatite: A thermoluminescence study**
Bulcar K., Oglakci M., Altowyan A. S., BİLGİN R., Yucel A., Sezer S., Hakami J., Depci T., TOPAKSU M., Can N.
Ceramics International, 2024 (SCI-Expanded)
- III. **Examination of the effect of curcumin in experimental liver damage created by diethylnitrosamine in swiss albino mice to superoxide dismutase and catalase activities and glutathione, malondialdehyde, advanced oxidation protein products levels.**
Seriner R., Dağlıoğlu K., Coşkun G., Bilgin R.
Biotechnology and applied biochemistry, 2021 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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, no.1, pp.91-100, 2017 (SCI-Expanded)

- VI. **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, no.5, pp.1276-1284, 2016 (SCI-Expanded)
- VII. **Purification of catalase from the walnut (*Juglans Regia*)**
BİLGİN R., Calgar A.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)
- VIII. **Modulating actions of NMDA receptors on pronociceptive effects of locally injected remifentanyl in diabetic rats**
Mert T., Oksuz H., Tugtag B., Kilinc M., Senoglu N., BİLGİN R.
PHARMACOLOGICAL REPORTS, vol.66, no.6, pp.1065-1072, 2014 (SCI-Expanded)
- IX. **Catalase Activity Expression in Patients with *Plasmodium vivax* Malaria**
BİLGİN R., YALCIN M. S., KILIÇ E., KAYA E., Yazar S., KOLTAŞ İ. S.
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- X. **Oxidative Stress in *Vivax* Malaria**
BİLGİN R., YALCIN M. S., YÜCEBİLGİÇ G., KOLTAŞ İ. S., Yazar S.
KOREAN JOURNAL OF PARASITOLOGY, vol.50, no.4, pp.375-377, 2012 (SCI-Expanded)
- XI. **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, no.1, pp.166-168, 2011 (SCI-Expanded)
- XII. **Effect of Cyprodinil and Fludioxonil Pesticides on Human Superoxide Dismutase**
KARADAG H., BİLGİN R.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.10, pp.8147-8154, 2010 (SCI-Expanded)
- XIII. **Partial purification and immobilization of a new (R)-hydroxynitrile lyase from seeds of *Prunus pseudoarmeniaca***
TÜKEL S. S., YILDIRIM D., ALAGÖZ D., Alptekin O., Yucebilgic G., BİLGİN R.
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.66, pp.161-165, 2010 (SCI-Expanded)
- XIV. **PURIFICATION OF COPPER-ZINC SUPEROXIDE DISMUTASE FROM HUMAN ERYTHROCYTES AND PARTIAL CHARACTERIZATION**
KARADAG H., BİLGİN R.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.24, no.1, pp.1653-1656, 2010 (SCI-Expanded)
- XV. **Partial purification and immobilization of a novel (R)-hydroxynitrile lyase from seeds of *Prunus pseudoarmeniaca***
TÜKEL S. S., Yildirim D., Alagoz D., Alptekin O., Bilgin R.
NEW BIOTECHNOLOGY, vol.25, 2009 (SCI-Expanded)
- XVI. **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, no.7, pp.5453-5457, 2009 (SCI-Expanded)
- XVII. **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, no.1, pp.29-31, 2009 (SCI-Expanded)
- XVIII. **Serum malondialdehyde level in patients with cystic echinococcosis**
Koltas I. S., Yucebilgic G., Bilgin R., Parsak C. K., Sakman G.
SAUDI MEDICAL JOURNAL, vol.27, no.11, pp.1703-1705, 2006 (SCI-Expanded)
- XIX. **Immobilization of soybean lipoxygenase onto polyacrylamide gel**
Karadağ H., BİLGİN R., TÜKEL S. S.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.20, no.2, pp.95-100, 2006 (SCI-Expanded)

- XX. **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, no.3, pp.188-190, 2005 (SCI-Expanded)
- XXI. **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.
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- XXII. **Effects of lead on Na⁺-K⁺ ATPase and Ca²⁺ ATPase activities and lipid peroxidation in blood of workers**
Yucebilgic G., Bilgin R., Tamer L., Tukul S. S.
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.22, no.2, pp.95-97, 2003 (SCI-Expanded)
- XXIII. **Effects of trimetazidine on tissue damage in kidney after hindlimb ischemia-reperfusion**
Sucu N., Unlu A., Tamer L., AYTACOGU B., COSKUN B., Bilgin R., Ercan B., GUL A., DIKMENGIL M., Atik U.
PHARMACOLOGICAL RESEARCH, vol.46, no.4, pp.345-349, 2002 (SCI-Expanded)
- XXIV. **Effects of sulfhydryl compounds on the inhibition of erythrocyte membrane Na⁺-K⁺ ATPase by ozone**
Bilgin R., Gul S., Tukul S. S.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.47, no.2, pp.227-232, 1999 (SCI-Expanded)
- XXV. **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, no.3, pp.207-210, 1998 (SCI-Expanded)
- XXVI. **The changes of erythrocyte membrane Na⁺-K⁺ ATPase activities in subjects with normal and impaired glucose tolerance**
Bilgin R., Tukul S.
BIOCHEMICAL ARCHIVES, vol.12, no.3, pp.149-156, 1996 (SCI-Expanded)
- XXVII. **Effects of glucose on the activity of erythrocyte membrane Ca²⁺ATPase in subjects with normal and impaired glucose tolerance**
Bilgin R., Tukul S. S.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.39, no.3, pp.547-552, 1996 (SCI-Expanded)
- XXVIII. **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, no.6, pp.1033-1040, 1994 (SCI-Expanded)
- XXIX. **GLUCOSE, GLYCATED HEMOGLOBIN AND FRUCTOSAMINE LEVELS IN ESSENTIAL-HYPERTENSION**
BILGIN R., DONMA O., SAGLIKER Y.
BIOCHEMISTRY AND MOLECULAR BIOLOGY INTERNATIONAL, vol.31, no.6, pp.1129-1133, 1993 (SCI-Expanded)
- XXX. **Glucose, glycated hemoglobin and fructosamine levels in essential hypertension.**
Bilgin R., Donma O., Sağlikler Y.
Biochemistry and molecular biology international, vol.31, pp.1129-33, 1993 (SCI-Expanded)

Articles Published in Other Journals

- I. **Superoxide dismutase, glutathione peroxidase and catalase activities in patients with viral hepatitis C**
YALÇIN M. S., GÜLEŞCİ N., BİLGİN R., KOLTAŞ İ. S.
Integrative Molecular Medicine, 2020 (Peer-Reviewed Journal)
- II. **Age-related changes in antioxidant enzyme activities**
BİLGİN R., Kurt N., GÜLEŞCİ N., YÜCEBİLGİÇ G.
Annals of Clinical Nutrition, 2020 (Peer-Reviewed Journal)
- III. **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 (ESCI)

IV. **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, no.2, pp.54-58, 2018 (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. **PCM Development Biomimicking Whale Blubber for Thermal Energy Storage**
Güngör Ö., Emir S., TÜKEL S. S., BİLGİN R., PAKSOY H. Ö.
5th International Materials Science and Advanced Nanotechnologies for Next Generation Conference, Nevşehir, Turkey, 4 - 06 October 2018
- III. **THE EFFECTS OF CURCUMIN TO GLUTATHIONE PEROXIDASE (GSH), MALONDIALDEHYDE (MDA) AND ADVANCED PROTEIN OXIDATION (AOPP) LEVELS AND SUPEROXIDE DISMUTASE (SOD) AND CATALASE (CAT) ACTIVITIES IN THE EXPERIMENTAL LIVER INJURY IN SWISS ALBINO MICE - FORMED BY DIETHYLNITROSAMINE (DEN**
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- IV. **PURIFICATION OF CATALASE FROM THE WALNUT (*Juglans Regia*)**
BİLGİN R., TOPRAK A.
IX INTERNATIONAL CONFERENCE IN CHEMISTRY KYIV-TOULOUSE (ICKT-9), 5 - 09 June 2017
- V. **Covalent Immobilization and Characterization of Glutathione S Transferase Enzymes on to Magnetic iron Nanoparticles Via Epichlorohydrin Intermediate Spacer Arm**
BİLGİN R., Çağlar M. K.
VI INTERNATIONAL SYMPOSIUM OF CHEMISTRY, Santa-Clara, Cuba, 7 - 10 June 2016
- VI. **Catalase Levels in human Fascioliasis**
KOLTAŞ İ. S., BİLGİN R.
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- VII. **. Association between Chronic Hepatitis B Virus Infection and HLA Gene rs3077 and rs9277535 Polymorphisms in the Turkish population.**
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6 th Annual International Conference on Advance in Biotechnology, Singapur, Singapore, 28 - 29 March 2016, pp.10-14
- VIII. **Association of Single Nucleotide Polymorphisms of Hla Dp Genes with the Outcome of Plasmodium vivax malaria**
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- X. **Gökkuşluğu 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

- XI. **Age-related changes in antioxidant enzyme activities**
Bilgin R., Kurt N., Gulesci N., Cinar E.
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- XII. **Serum Catalase Levels in Human Amebiasis**
BİLGİN R.
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- XIII. **Partial purification of catalase from the cucumber(*cucumis sativus*)**
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Youth Science Proceedings of the 2nd International Conference of Young Scientists Chemistry & Chemical Technology, 3rd International Festival, Lviv, Ukraine, 24 - 26 November 2011, pp.15-20
- XIV. **Determination of antioxidant enzyme activities superoxide dismutase, glutathione peroxidase and catalase in patient with hepatitis C infection**
Bilgin R., Yalçın M. S.
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- XV. **Determination of antioxidant enzyme activities superoxide dismutase, glutathione peroxidase and catalase in patient with viral hepatitis**
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. The 10th Baltic Congress in Laboratory Medicine, Talinn, Estonia, 16 - 18 September 2010, pp.17
- XVI. **. Determination of chemical composition *lavandula stoechas*, *melisa officinalis*, *tribulus terrestris* plant**
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- XVII. **. Levels of malondialdehyde in vivax malaria**
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- XVIII. **Purification of soybean lipoxygenase**
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- XIX. **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
- XX. **Determination of superoxide dismutase (SOD), Gguthione peroxidase (GSH-Px) activities and MDA levels in the erythrocytes treated with H₂O₂ in the presence and absence of 2,6-diisopropyl phenol**
Yucebilgic G., Gursoy G., Tukel S. S., Bilgin R.
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- XXI. **Effects of H₂O₂ and Fe+3-ascorbic acid on erythrocyte membrane Na-K ATPase**
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XI. Meeting of the Balkan Clinical Laboratory Federation, Belgrad, Serbia And Montenegro, 24 - 27 September 2003, pp.14
- XXII. **Plasma lipids, lipoproteins and apolipoproteins levels in 210 subjects in Adana.**
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- XXIII. **The changes of erythrocyte membrane Na-K ATPase activities in subjects with normal and impaired glucose tolerance**
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XXIV. Makarnalık Buğdayda (Triticum durum) Elektroforetik ve Bazı Biyokimyasal Yöntemlerle Kalite Özelliklerinin Belirlenmesi

GENÇ İ., YAĞBASANLAR T., VELİ S., ÖZKAN H., TÜKEL S., BİLGİN R.

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Supported Projects

BİLGİN R., KUŞCUOĞLU N., Project Supported by Higher Education Institutions, Tere (*lepidium sativum*) Bitkisinden Kısmi Saflaştırma ile Elde Edilen Katalaz Enziminin CLEA Yöntemi ile İmmobilizasyonu, 2014 - Continues

BİLGİN R., Seriner R., Project Supported by Higher Education Institutions, SWISS ALBİNO FARELERDE DİETİLNİTRÖZAMİN TARAFINDAN OLUŞTURULAN DENEYSSEL KARACİĞER HASARINDA CURCUMİNİN SOD VE CAT AKTİVİTELERİNE VE GSH, MDA, AOPP SEVİYELERİNE ETKİSİNİN İNCELENMESİ, 2015 - 2021

BİLGİN R., TOPRAK A., Project Supported by Higher Education Institutions, Kimya Bölümü Biyokimya Araştırma Laboratuvarı Yüksek performanslı sıvı kromatografisi (HPLC) Cihazının Onarımı, 2017 - 2018

BİLGİN R., TOPRAK A., AKAR Ç., SERİNER R., Project Supported by Higher Education Institutions, PURIFICATION OF CATALASE FROM THE WALNUT *Juglans Regia*, 2017 - 2017

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Non Academic Experience

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