

Prof. SEMRA KOCABIYIK

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1982 - 1986

Post Graduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, Turkey 1980 - 1982

Under Graduate, Ankara Üniversitesi, Faculty Of Agriculture, Department Of Plant Protection, Turkey 1972 - 1977

Dissertations

Doctorate, A comparative study on the resistance to aminoglycoside antibiotics among strains of Enterobacteriaceae, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1975

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1995 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1989 - 1995

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1988 - 1989

Lecturer PhD, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1987 - 1987

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1980 - 1986

Professional Experience

Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2013 - 2015

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biomedical Engineering, 2010 - 2012

Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2003 - 2006

Deputy Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 1995 - 1996

Advising Theses

Kocabiyik S., Gürakan C., Improvement of holdase activity of a small heat shock protein from extremely acidophilic Archaea, Post Graduate, Y.Kaçer(Student), 2019

KOCABIYIK S., Transcriptome analysis of *Thermoplasma volcanium* GSS11 under extreme stress, Post Graduate, S.ZABCI(Student), 2015

KOCABIYIK S., Structural modelling and functional analysis of the engineered small heat-shock protein,TPV-HSP14.3 from *Thermoplasma volcanium*, Post Graduate, I.SHERAJ(Student), 2014

KOCABIYIK S., Expression profiling of *Thermoplasma volcanium* GSS1 under stress conditions with specific emphasis on proteasome associated regulatory VAT genes, Post Graduate, T.YILMAZ(Student), 2013

VOLKAN M., KOCABIYIK S., Application of surface-enhanced raman scattering (SERS) method for genetic analyses, Doctorate, S.KARABIÇAK(Student), 2011

KOCABIYIK S., The role of small heat shock proteins of the thermoacidophilic archaeon, *Thermoplasma volcanium* in the stress response, Post Graduate, S.AYGAR(Student), 2011

KOCABIYIK S., Heat shock response in *Thermoplasma volcanium*: Cloning and differential expression of molecular chaperonin (thermosome) genes, Post Graduate, F.DOLDUR(Student), 2008

ÇALIK P., KOCABIYIK S., Recombinant therapeutic protease production by *Bacillus* sp., Post Graduate, N.KORKMAZ(Student), 2007

AKKAYA M., KOCABIYIK S., Determination of genes involved in yellow rust disease of wheat, Doctorate, O.BOZKURT(Student), 2007

AKKAYA M., KOCABIYIK S., Biochemical characterization of recombinant 20S proteasome from *Thermoplasma volcanium* and cloning of its regulatory subunit gene, Post Graduate, G.BAYDAR(Student), 2006

KOCABIYIK S., Cloning and expression of periplasmic (CLpP-LIKE) and membrane-bound serine protease genes of *thermoplasma volcanium* in *escherichia coli*, Post Graduate, B.DEMİROK(Student), 2006

KOCABIYIK S., Expression of recombinant acid protease (thermopsin) gene from *thermoplasma volcanium*, Post Graduate, B.KOYUNCU(Student), 2006

KOCABIYIK S., Inference of switching networks by using a piecewise linear formulation, Post Graduate, D.AKÇAY(Student), 2005

AKKAYA M., KOCABIYIK S., Cloning, expression and sequencing of citrate synthase from *Thermoplasma volcanium*, Post Graduate, Ç.ÇEKİÇ(Student), 2004

KOCABIYIK S., Construction of various fusion proteins of recombinant citrate synthase from *thermoplasma volcanium*, Post Graduate, S.ÖZDOĞAN(Student), 2004

AKKAYA M., KOCABIYIK S., Identification of the genes involved in "Phyotsiderophore" synthesis and metal ion uptake in wheat using RT-PCR, Post Graduate, Y.AKTAŞ(Student), 2003

KOCABIYIK S., Purification and characterization of cytoplasmic and proteasome associated chymotrypsin-like proteases from *Thermoplasma volcanium*, Doctorate, İ.ÖZDEMİR(Student), 2003

AKKAYA M., KOCABIYIK S., Investigations of wheat genes involved in zinc efficiency mechanism using differential display technique, Post Graduate, M.TÜRKTAS(Student), 2003

AKKAYA M., KOCABIYIK S., Cloning of alpha and beta subunit genes of 20 S proteasome from *thermoplasma volcanium*, Post Graduate, G.SEYİT(Student), 2002

KOCABIYIK S., Isolation of monobromoacetate and dichloroacetate degrading bacteria from polluten seawater and analysis of haloacid de halogenaze geofypes by using polymerase choun reaction (PCR), Post Graduate, B.FIRAT(Student), 2000

KOCABIYIK S., Engineering of citrate synthase from *thermoplasma acidophilum* to investigate the molecular mechanisms of thermostability, Doctorate, İ.ERDURAN(Student), 2000

KOCABIYIK S., Protease activities of thermophilic microorganisms isolated from hot springs in Turkey: Detection of alkaline serine protease gene sequences by polmerase chain reaction (PCR), Post Graduate, B.ERDEM(Student), 1999

Kocabiyik S., Arınç E., Field Evaluation of Cytochrome P450C1A1 mRNA Levels as a Monitor for Pollution, Post Graduate, E.Su(Student), 1998

KOCABIYIK S., Clouing and sequencing of a PCR amplican of a novel dehalogeuse gene from *pseudomonas* sp strain SEC 896, Post Graduate, G.MEHMET(Student), 1997

KOCABIYIK S., Detection of monochloroacetate degrading genotypes of *pseudomonas* SP.Using PCR/DNA probe assays, Post Graduate, E.CABA(Student), 1996

KOCABIYIK S., The Effects of cysteine 43 mutation on catalytic properties and thermostability of thermoplasma acidophilum citrate synthase, Post Graduate, İ.ERDURAN(Student), 1996
KOCABIYIK S., Cloning and expression of a haloacid dehalogenase gene from pseudomonas sp. strain ISS in E. coli, Post Graduate, B.ASLAN(Student), 1995
KOCABIYIK S., Dedection of aminoglycoside 3'-phosphotransferases by using Dna and antibod probes, Post Graduate, A.KOÇER(Student), 1995
KOCABIYIK S., Molecular analysis of a unique type of S(alfa)-thalassemia, Doctorate, G.BALTA(Student), 1994
KOCABIYIK S., Pseudomonas aeruginosa ses-938-1 elastase : Isolation microbiological and biochemical characterizations, Post Graduate, M.ERGİN(Student), 1994

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

- **Effect of N-terminal extension of small heat shock protein, Tpv HSP 14.3 on its molecular chaperone activity**
Zabci S., Kocabiyik S.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- **Alpha crystallin domain mutations increase holdase capacity of the archeal small heat shock protein, Tpv HSP 14.3**
Kocabiyik S., Zabci S.
NEW BIOTECHNOLOGY, vol.33, 2016 (Journal Indexed in SCI)
- **Preparation of silica coated cobalt ferrite magnetic nanoparticles for the purification of histidine-tagged proteins**
Aygaz G., Kaya M., Özkan N., Kocabiyik S., Volkan M.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.87, pp.64-71, 2015 (Journal Indexed in SCI)
- **Effects of K87 mutations in the alpha-crystallin domain of Tpv sHSP 14.3 on oligomerization and in vitro chaperone activity**
Kocabiyik S., Sharej I.
NEW BIOTECHNOLOGY, vol.31, 2014 (Journal Indexed in SCI)
- **Gene expression profiling of Thermoplasma volcanium under extreme stress conditions**
Zabci S., Kocabiyik S.
NEW BIOTECHNOLOGY, vol.31, 2014 (Journal Indexed in SCI)
- **Improvement of protein stability and enzyme recovery under stress conditions by using a small HSP (tpv-HSP 14.3) from Thermoplasma volcanium**
Kocabiyik S., Aygaz S.
PROCESS BIOCHEMISTRY, vol.47, pp.1676-1683, 2012 (Journal Indexed in SCI)
- **Molecular cloning and co-expression of Thermoplasma volcanium proteasome subunit genes**
Kocabiyik S., Ozdemir I., Zwickl P., Ozdogan S.
PROTEIN EXPRESSION AND PURIFICATION, vol.73, pp.223-230, 2010 (Journal Indexed in SCI)
- **Essential Structural and Functional Features of Small Heat Shock Proteins in Molecular Chaperoning Process**
Kocabiyik S.
PROTEIN AND PEPTIDE LETTERS, vol.16, pp.613-622, 2009 (Journal Indexed in SCI)
- **An extracellular - Pepstatin insensitive acid protease produced by Thermoplasma volcanium**
Kocabiyik S., Ozel H.
BIORESOURCE TECHNOLOGY, vol.98, pp.112-117, 2007 (Journal Indexed in SCI)
- **Purification and characterization of an intracellular chymotrypsin-like serine protease from Thermoplasma volcanium**
Kocabiyik S., Ozdemir I.
BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, vol.70, pp.126-134, 2006 (Journal Indexed in SCI)
- **Intracellular alkaline proteases produced by thermoacidophiles: detection of protease heterogeneity**

by gelatin zymography and polymerase chain reaction (PCR)

Kocabiyik S., Erdem B.

BIORESOURCE TECHNOLOGY, vol.84, pp.29-33, 2002 (Journal Indexed in SCI)

● **Induced CYP1A mRNA, protein and catalytic activity in the liver of feral fish, leaping mullet, *Liza saliens***

Arinc E., Kocabiyik S., Su E.

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, vol.128, pp.281-290, 2001 (Journal Indexed in SCI)

● **The effect of valine substitution for glycine in the dimer interface of citrate synthase from *Thermoplasma acidophilum* on stability and activity**

Kocabiyik S., Erduran I.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.275, pp.460-465, 2000 (Journal Indexed in SCI)

● **Amino acid substitutions in the subunit interface enhancing thermostability of *Thermoplasma acidophilum* citrate synthase**

Erduran I., Kocabiyik S.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.249, pp.566-571, 1998 (Journal Indexed in SCI)

● **The effect of hydrophobic interactions in the dimer interface of *Thermoplasma acidophilum* citrate synthase on thermostability.**

Erduran I., Kocabiyik S.

JOURNAL OF PROTEIN CHEMISTRY, vol.17, pp.531-532, 1998 (Journal Indexed in SCI)

● **Prevalence of monochloroacetate degrading genotypes among soil isolates of *Pseudomonas* sp.**

Kocabiyik S., Caba E.

BIODEGRADATION, vol.8, pp.371-377, 1997 (Journal Indexed in SCI)

● **The effect of cysteine-43 mutation on thermostability and kinetic properties of citrate synthase from *Thermoplasma acidophilum***

Kocabiyik S., Erduran I., Russel R., Danson M., Hough D.

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.224, pp.224-228, 1996 (Journal Indexed in SCI)

● **ANALYSIS OF PLASMIDS MEDIATING ANT (2'') AND AAC(3)-II BASED GENTAMICIN RESISTANCE IN CLINICAL ISOLATES OF ENTEROBACTERIACEAE**

KOCABIYIK S., ALAEDDINOGLU N.

ZENTRALBLATT FUR BAKTERIOLOGIE-INTERNATIONAL JOURNAL OF MEDICAL MICROBIOLOGY VIROLOGY PARASITOLOGY AND INFECTIOUS DISEASES, vol.271, pp.214-221, 1989 (Journal Indexed in SCI)

● **A THERMO-STABLE DEHALOGENASE IN THE EXTRACTS FROM *PSEUDOMONAS* SP (STRAIN-19S)**

Kocabiyik S., Turkoglu S.

BIOTECHNOLOGY LETTERS, vol.11, pp.397-400, 1989 (Journal Indexed in SCI)

Articles Published in Other Journals

● **Effects of Metals on Elastase from *Pseudomonas aeruginosa* SES-938-1**

Kocabiyik S., Türkoğlu S., Ergin E.

Biological Trace Element Research, vol.50, pp.25-31, 1995 (Refereed Journals of Other Institutions)

● **Cloning and Expression of a Haloacid Dehalogenase form *Pseudomonas* sp. Strain 19S,**

Kocabiyik S., Aslan B., Muller R.

Biodegradation, vol.6, pp.217-222, 1995 (Refereed Journals of Other Institutions)

● **A Modified Method for RNA Isolation from Bacteria by Guanidinium Thiocyanate - Cesium Chloride Centrifugation,"**

Kocabiyik S.

- BioTechniques, vol.18, pp.570-572, 1995 (Refereed Journals of Other Institutions)
Amino Acid Substitutions within the Analogous Nucleotide Binding Loop (P-Loop) of Aminoglycoside 3'-Phosphotransferase-II
Kocabiyik S., Perlin M.
- International Journal of Biochemistry, vol.26, pp.61-66, 1994 (Refereed Journals of Other Institutions)
Evaluation of Plasmid DNA and Protein Profiles as Epidemiological Tools in Pseudomonas aeruginosa
Kocabiyik S., Adwan K., Alaeddinoğlu G.
- Chemotherapy Int. J. Experiment. Clin. Chemother, vol.5, pp.37-40, 1992 (Refereed Journals of Other Institutions)
Altered Substrate Specificities by Substitutions at Tyr 218 in Bacterial Aminoglycoside 3'-Phosphotransferase - II
Kocabiyik S., Perlin M.
- FEMS Microbiol. Lett, vol.93, pp.199-202, 1992 (Refereed Journals of Other Institutions)
Site - Specific Mutations of Conserved C - Terminal Residues in Aminoglycoside 3'-Phosphotransferase II [APH(3')-II]: Phenotypic and Structural Analysis of the Mutant Enzymes
Kocabiyik S., Perlin M.
- Biochem. Biophys. Res. Commun, vol.185, pp.925-931, 1992 (Refereed Journals of Other Institutions)
" Structure - Function Analyses for Aminoglycoside 3'-Phosphotransferase-II [APH(3')-II]
Kocabiyik S., Mullis C., Breeding C., Perlin M.
- SAAS Bulletin: Biochem. Biotech, vol.5, pp.158-163, 1992 (Refereed Journals of Other Institutions)
Aminoglycoside Resistance Profiles of the Gentamicin Resistant Enterobacteriaceae and Pseudomonas Strains
Kocabiyik S., Akalın E., Alaeddinoğlu G.
- Int. J. Experiment. Clin. Chemother, vol.2, pp.118-124, 1989 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Importance of salt bridges in the dimer interface of Tpv sHSP14.3 for oligomere assembly and chaperone function**
KOCABIYIK S., Sheraj I., Zabcı S., ÇELEBİ M. N.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.332
- **Gene expression profile of Thermoplasma volcanium GSS1 under mild and severe oxidative stress**
Zabcı S., ÇELEBİ M. N., KOCABIYIK S.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.75
- **Heat-induced structural dynamics of a thermoacidophilic small heat-shock protein sHSP14.3; functional implications**
KOCABIYIK S., Sheraj I.
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.139
- **Determination of proteasome activity using surface enhanced raman scattering (SERS) spectroscopy**
VOLKAN M., KOCABIYIK S., Akpınar Y., UZUN C. N.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.351
- **Application of SERS nanotag labeled probes for DNA studies**
UZUN C. N., KOCABIYIK S., VOLKAN M.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.350-351
- **Altered gene expression patterns of Thermoplasma volcanium 20S proteasome-VAT complex proteins in stress response**
Yılmaz T., Kacar S., KOCABIYIK S.

- 22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.499-500
Genome-wide transcriptional response of the thermoacidophilic archaeon, *Thermoplasma volcanium* to environmental stress
KOCABIYIK S., Yilmaz T.
- 22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.501
Improving Protein Stability And Enzyme Recovery Under Stress Conditions By Use Of Recombinant Molecular Chaperones
KOCABIYIK S., Aygar S., Koyuncu B.
- 14th International Biotechnology Symposium and Exhibition (IBS-2008), Rimini, Italy, 14 - 18 September 2010, vol.150
Differential expression of archaeal Hsp60 and CDC48 homologue VAT genes in heat shock
KOCABIYIK S., Doldur F., Demirok B.
- 32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.196
Differential expression of archaeal Hsp60 and CDC48 homologue VAT genes in heat-shock
Doldur F., KOCABIYIK S., Demirok B.
- 32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.195
Cloning and expression of Hsp20 related small heat shock proteins of *Thermoplasma*
Koyuncu B., KOCABIYIK S.
- 32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS), Vienna, Austria, 7 - 12 July 2007, vol.274, pp.195
Purification and characterization of archaeal 6xHis tagged recombinant proteases
Koyuncu B., Demirok B., Kocabiyik S.
- 31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.361
Biochemical characterization of *Thermoplasma volcanium* recombinant 20S proteasome and its regulatory subunit
Baydar G., Kocabiyik S.
- IUBMB 50th Anniversary Symposium, Budapest, Hungary, 2 - 07 July 2005, vol.272, pp.179
Cloning and expression of a pepstatin insensitive acid protease from *Thermoplasma volcanium* in *E. coli*
Koyuncu B., Ozel H., Kocabiyik S.
- 30th Congress of the Federation-of-European-Biochemical-Societies (FEBS)/9th IUBMB Conference, Budapest, Hungary, 2 - 07 July 2005, vol.272, pp.156

Supported Projects

KOCABIYIK S., RAFIQ A., Project Supported by Higher Education Institutions, ARKEA KÖKENLİ BİR KÜÇÜK ISI ŞOKU PROTEİNİNDE SUBSTRAT TANINMASI VE BAĞLANMASININ MOLEKÜLER TEMELİNİ BELİRLEMEK AMAÇLI YAPISAL MODİFİKASYONLAR, 2018 - 2019

KOCABIYIK S., ZABCI S., Project Supported by Higher Education Institutions, ARKEA KÖKENLİ BİR KÜÇÜK ISI ŞOKU PROTEİNİNİN YAPISAL DİNAMİK ANALİZİ, 2018 - 2019

KOCABIYIK S., KAÇER Y., Project Supported by Higher Education Institutions, AŞIRI DERECEDE ASİDOFİLİK BİR ARKEA KÖKENLİ KÜÇÜK ISI ŞOKU PROTEİNİN HOLDAZ AKTİVİTESİNİN İYİLEŞTİRİLMESİ, 2018 - 2019

SON Ç. D. , ZABCI S., ATAY Ö., İZGÜ K. F. , DOĞAN M., YANIK T., KOCABIYIK S., ÖNDE S., Project Supported by Higher Education Institutions, G-alpha (i) proteinlerinin homodimerizasyonunun canlı hücrelerde tespiti, 2018 - 2019

KOCABIYIK S., Project Supported by Higher Education Institutions, ARKEA KÖKENLİ BİR KÜÇÜK ISI ŞOKU PROTEİNİNİN YAPISAL DİNAMİK ANALİZİ, 2017 - 2017

KOCABIYIK S., Project Supported by Higher Education Institutions, AŞIRI DERECEDE ASİDOFİLİK BİR ARKEA KÖKENLİ

KÜÇÜK ISI ŞOKU PROTEİNİN HOLDAZ AKTİVİTESİNİN İYİLEŞTİRİLMESİ, 2017 - 2017

SON Ç. D. , ZABCI S., İZGÜ K. F. , DOĞAN M., KOCABIYIK S., MİMİROĞLU D., Project Supported by Higher Education Institutions, Kokain ve Amfetaminle Regüle Edilen Transcript (CART) ile uyarılan fare hipofiz bezi hücre hattında p-ERK yanıtının incelenmesi, 2017 - 2017

KOCABIYIK S., TUBITAK Project, Küçük Isı Şoku Proteini Tpv HSP14 3 ün Alfa Krsitalin Motifine İlişkin Yapı Fonksiyon Analizi, 2015 - 2017

SON Ç. D. , ZABCI S., YANIK T., KOCABIYIK S., Project Supported by Higher Education Institutions, G-proteine Kenetli Reseptörlerin Birbirleri ile Olan Etkileşimlerinin Çift Moleküllü Floresan Birleşme (BiFC) ve Förster Rezonans Enerji Transferi (FRET) Metotları ile Araştırılması, 2016 - 2016

KOCABIYIK S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

KOCABIYIK S., SON Ç. D. , YANIK T., ZABCI S., Project Supported by Higher Education Institutions, Isı şoku altında termofilik arkea'da (model: Thermoplasma volcanium) global gen anlatımındaki farklılaşmanın mikrodizin tekniği ile analizi, 2015 - 2015

KOCABIYIK S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

KOCABIYIK S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

KOCABIYIK S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

KOCABIYIK S., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YANIK T., SON Ç. D. , KOCABIYIK S., Project Supported by Higher Education Institutions, Kokain ve Amfetamin ile Regüle Edilen Transkript (CART) 'le Etkileşip ERK fosforilasyonunu tetikleyen belirlenmiş on GPCR geninin qRT-PCR ile doğrulanması., 2014 - 2014

KOCABIYIK S., SHERAJ I., Project Supported by Higher Education Institutions, THERMOPLASMA VOLCANIUM'UN Hps20 BENZERİ BİR KÜÇÜK ISI ŞOKU PROTEİNİNE İLİŞKİN YAPISAL ANALİZLER, 2013 - 2013

KOCABIYIK S., BRAHUSHA A., Project Supported by Higher Education Institutions, TERMOFİLİK ARKEA PİCROPHILUS SP. DE MOLEKÜLER ŞAPERON SİSTEMLERİ, 2013 - 2013

KOCABIYIK S., YILMAZ T., Project Supported by Higher Education Institutions, THERMOPLASMA VOLCANIUM'UN 20S PROTEOZOM DÜZENLEYİCİ PROTEİN GENLERİNİN STRES KOŞULLARINDA ANLATIM PROFİLLERİNDEKİ DEĞİŞİM, 2013 - 2013

YANIK T., KASAP M., SON Ç. D. , KOCABIYIK S., Project Supported by Higher Education Institutions, Kokain Ve Amfetamin İle Regüle Edilen Transkript(cart) İle Etkileşip Erk Fosforilasyonunu Tetikleyen G-Proteine Kenetli Reseptörün Tespiti, 2012 - 2013

Kocabyık S., TUBITAK Project, 2010 - 2012

Citations

Total Citations (WOS):116

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Scholarships

The Third World Academy of Sciences(TWAS) Research, TUBITAK, 1996 - 1996

British Council Research, British Council, 1995 - 1995

British Council Reseach, British Council, 1994 - 1994

The Third World Academy of Sciences (TWAS), TUBITAK, 1994 - 1994

DAAD Research, Other International Organizations, 1993 - 1993

NIH Post Doktora, Other International Organizations, 1990 - 1992

British Council and Royal Society Arařtırma Bursu, British Council, 1987 - 1987