

## Prof. BİRGÜL KURAL

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 1995 - 2001

Post Graduate, Karadeniz Technical University, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 1993 - 1995

Under Graduate, Karadeniz Technical University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1987 - 1993

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry, Natural Sciences

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Tıp Fakültesi, Tıbbi Biyokimya, 2014 - Continues

### Academic and Administrative Experience

Karadeniz Technical University, 2015 - Continues

### Courses

TIP106, Under Graduate, 2014 - 2015, 2015 - 2016

### Advising Theses

KURAL B., L-theaninin doksorubisin uygulanan sıçanlarda nefrotoksisite üzerine etkilerinin incelenmesi, Doctorate, Y.ALTINKAYNAK(Student), 2018

KURAL B., Çözünür siyah çayın hepatosit hücre serilerinde (HEPG2) paraoksonaz-1 ekspresyonuna etkisinin incelenmesi, Post Graduate, H.HAJIZADEH(Student), 2015

KURAL B., Bazı lipid düşürücü ilaçların serum paraoksonaz-1 enzimine afinitelerinin docking metodu ile incelenmesi, Post Graduate, Z.DÜZGÜN(Student), 2013

KURAL B., Postprandiyal lipemide adipokinlerin seviyeleri, Doctorate, N.KÜÇÜK(Student), 2012

KURAL B., Fındık tüketiminin hiperkolesterolemik şahısların eritrosit membranı lipid ve protein oksidasyonuna etkisi, Post Graduate, G.OKUR(Student), 2008

KURAL B., Karalahananın lipoproteinlerin oksidasyonuna etkisi, Post Graduate, N.KÜÇÜK(Student), 2007

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

- I. **Evaluation of circulating miR-122, miR-30c and miR-33a levels and their association with lipids, lipoproteins in postprandial lipemia**  
Yaman S. O. , ÖREM A., Yucesan F., Kural B., ÖREM C.  
Life Sciences, vol.264, 2021 (Journal Indexed in SCI Expanded)
- II. **The relationship between dermatological findings and serum interleukin 31 and serum uridine diphosphate glucose ceramide glucosyltransferase levels among patients with chronic kidney disease**  
Güvercin B., Kaynar R. K. , Arica D. A. , Kural B., Ulusoy Ş., Cansız M., Selcuk L. B. , Akyuz A., Kolayli C. C.  
HIPPOKRATIA, vol.23, no.2, pp.75-80, 2019 (Journal Indexed in SCI)
- III. **Status of vitamin D, antioxidant enzymes, and antioxidant substances in neonates with neonatal hypoxic-ischemic encephalopathy**  
MUTLU M., SARıAYDın M., ASLAN Y., Kader Ş., DERECI S., KART C., YAMAN S., KURAL B.  
JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE, vol.29, no.14, pp.2259-2263, 2016 (Journal Indexed in SCI)
- IV. **Is there any interaction of resistin and adiponectin levels with protein-energy wasting among patients with chronic kidney disease**  
Kaynar K., KURAL B., ULUSOY Ş., Cansız M., Akcan B., MISIR N., Yaman S., Kaya N.  
HEMODIALYSIS INTERNATIONAL, vol.18, no.1, pp.153-162, 2014 (Journal Indexed in SCI)
- V. **Effects of caffeic acid phenethyl ester on pancreatitis in rats**  
TÜRKYILMAZ S., Alhan E., Ercin C., Vanizor B., KAKLIKKAYA N., ATEŞ B., ERDOĞAN S., TOPALOĞLU S.  
JOURNAL OF SURGICAL RESEARCH, vol.145, no.1, pp.19-24, 2008 (Journal Indexed in SCI)
- VI. **Effects of enalaprilat on acute necrotizing pancreatitis in rats**  
TÜRKYILMAZ S., Alhan E., Ercin C., Vanizor B.  
Inflammation, vol.30, no.6, pp.205-212, 2007 (Journal Indexed in SCI Expanded)
- VII. **TGF-beta and TNF-alpha producing effects of losartan and amlodipine on human mononuclear cell culture**  
KAYNAR K., Ulusoy S., OVALI E., VANIZOR B., DIKMEN T., GUL S.  
NEPHROLOGY, vol.10, no.5, pp.478-482, 2005 (Journal Indexed in SCI)
- VIII. **The evaluation of autoantibodies against oxidatively modified low-density lipoprotein (LDL), susceptibility of LDL to oxidation, serum lipids and lipid hydroperoxide levels, total antioxidant status, antioxidant enzyme activities, and endothelial dysfunction in patients with Behçet's disease**  
Orem A., Yandı Y. E. , Vanizor B., Cimsit G., Uydu H. A. , Malkoc M.  
CLINICAL BIOCHEMISTRY, vol.35, no.3, pp.217-224, 2002 (Journal Indexed in SCI)
- IX. **Effects of the tyrosine kinase inhibitor tyrphostin AG 556 on acute necrotising pancreatitis in rats**  
ALHAN E., CICEK R., ERCIN C., Orem A., VANIZOR B., CİNEL A.  
EUROPEAN JOURNAL OF SURGERY, vol.168, no.10, pp.557-562, 2002 (Journal Indexed in SCI)
- X. **Evaluation of plasma endothelin-1 levels in patients with cerebral infarction**  
Alioglu Z., ÖREM A., BULBUL I., BOZ C., OZMENOGLU M., VANIZOR B.  
ANGIOLOGY, vol.53, no.1, pp.77-82, 2002 (Journal Indexed in SCI)
- XI. **Decreased nitric oxide end-products and its relationship with high density lipoprotein and oxidative stress in people with type 2 diabetes without complications**  
Vanizor B., Orem A., Karahan S. C. , Kiran E., Erem C., Aliyazicioglu R., Uydu H.  
DIABETES RESEARCH AND CLINICAL PRACTICE, vol.54, no.1, pp.33-39, 2001 (Journal Indexed in SCI)
- XII. **Plasma endothelin-1 levels before and after vascular occlusive test in patients with Behçets disease [3]**  
Cimsit G., Kaharan S., ÖREM A., KURAL B., Alpay K.  
Australasian Journal of Dermatology, vol.42, no.3, pp.221-222, 2001 (Journal Indexed in SCI Expanded)
- XIII. **Effect of coronary angiography on plasma endothelin-1 and nitric oxide concentrations**  
Orem A., ÖREM C., ALIOGLU Y., VANIZOR B., ERDOL C.

ANGIOLOGY, vol.52, no.4, pp.231-235, 2001 (Journal Indexed in SCI)

- XIV. **Increased plasma endothelin-1 levels in patients with intracerebral hemorrhage**  
ALIOĞLU Z., Bülbül İ., ÖREM A., Özmenoğlu M., KURAL B., BOZ C.  
Journal of Stroke and Cerebrovascular Diseases, vol.9, no.4, pp.176-180, 2000 (Journal Indexed in SCI Expanded)
- XV. **The significance of autoantibodies against oxidatively modified low-density lipoprotein (LDL) in patients with psoriasis**  
Orem A., Cimsit G., Deger O., Orem C., Vanizor B.  
CLINICA CHIMICA ACTA, vol.284, no.1, pp.81-88, 1999 (Journal Indexed in SCI)
- XVI. **Decreased nitric oxide production in patients with Behcet's disease**  
Orem A., Vanizor B., Cimsit G., Kiran E., Deger O., MALKOC M.  
DERMATOLOGY, vol.198, no.1, pp.33-36, 1999 (Journal Indexed in SCI)
- XVII. **Autoantibodies against oxidatively modified low-density lipoprotein in patients with Behcet's disease**  
Orem A., Cimsit G., Deger O., Vanizor B., Karahan S. C.  
DERMATOLOGY, vol.198, no.3, pp.243-246, 1999 (Journal Indexed in SCI)
- XVIII. **The relationship between nitric oxide production and activity of the disease in patients with psoriasis**  
Orem A., ALIYAZICIOGLU R., Kiran E., Vanizor B., CIMNOCODEIT G., Deger O.  
ARCHIVES OF DERMATOLOGY, vol.133, no.12, pp.1606-1607, 1997 (Journal Indexed in SCI)
- XIX. **Comparative studies on antioxidant enzyme activities and lipid peroxidation in different fish species**  
KOLAYLI S., Arikan M., Uzunosmanoğlu D., KURAL B., Kiran E., Sağban R.  
Turkish Journal of Zoology, vol.21, no.2, pp.171-173, 1997 (Journal Indexed in SCI Expanded)
- XX. **Relationship between lipid peroxidation and disease activity in patients with Behcet's disease**  
Orem A., Efe H., Deger O., Cimsit G., Uydu H., Vanizor B.  
JOURNAL OF DERMATOLOGICAL SCIENCE, vol.16, no.1, pp.11-16, 1997 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **The anti-inflammatory effect of hydrogen sulphide on acute necrotizing pancreatitis in rats**  
Saglam K., Alhan E., TÜRKYILMAZ S., Vanizor B., Ercin C.  
TURKISH JOURNAL OF SURGERY, vol.33, no.3, pp.158-163, 2017 (Journal Indexed in ESCI)
- II. **Increased plasma endothelin-1 levels in patients with intracerebral hemorrhage**  
ALIOGLU Z., Bülbül İ., ÖREM A., OZMENOGLU M., KURAL B., BOZ C.  
JOURNAL OF STROKE & CEREBROVASCULAR DISEASES, vol.9, no.4, pp.176-180, 2000 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Losartan ve Amlodipinin TGF-beta ve TNF-alfa Üretimi Üzerine Etkileri**  
KAYNAR R. K. , ULUSOY Ş., Ovalı E., KURAL B., Dikmen T., Gül S.  
6. Ulusal Hipertansiyon ve Böbrek Hastalıkları Kongresi, Antalya, Turkey, pp.53
- II. **Primer Hipertansiyonlu Hastalarda Hedef Organ Hasarı ile Serum Leptin Seviyeleri Arasındaki İlişki**  
Erkut N., KAYNAR R. K. , ULUSOY Ş., KURAL B., KUTLU M., ERDÖL H., TOPBAŞ M., Öztürk S., KOLA M., Gül S.  
25.. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.57
- III. **Primer Hipertansiyonlu Hastalarda Hedef Organ Hasarı ile Serum Leptin Seviyeleri Arasındaki İlişki**  
Erkut N., KAYNAR R. K. , ULUSOY Ş., KURAL B., KUTLU M., ERDÖL H., TOPBAŞ M., Öztürk S., KOLA M., Gül S.  
25.. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.57
- IV. **Hemodiyaliz Hastalarında Atorvastatinin Lipid Paneli ve İnflamatuvar Sitokinlere Etkisi**  
Fidan S., ULUSOY Ş., KURAL B., KAYNAR R. K. , Topal C., Bozalioğlu H., Gül S., Özkan G.

9. Ulusal Hipertansiyon ve Böbrek Hastalıkları Kongresi, Antalya, Turkey, pp.68
- V. **Hemodiyaliz Sırasında Setlerin Işığa Maruz Kalması İmmun Sistemi Etkiliyor mu?**  
ULUSOY Ş., KAYNAR R. K. , KURAL B., ÖREM A., Ovalı E., Gül S., TOPBAŞ M.  
5. Ulusal Hipertansiyon ve Böbrek Hastalıkları Kongresi, Antalya, Turkey, pp.69
- VI. **Hemodiyaliz Sırasında Setlerin Işığa Maruz Kalması İmmun Sistemi Etkiliyor mu?**  
ULUSOY Ş., KAYNAR R. K. , KURAL B., ÖREM A., Ovalı E., Gül S., TOPBAŞ M.  
5. Ulusal Hipertansiyon ve Böbrek Hastalıkları Kongresi, Antalya, Turkey, pp.69
- VII. **Hemodiyaliz Sırasında Setlerin Işığa Maruz Kalması İmmun Sistemi Etkiliyor mu?**  
ULUSOY Ş., KAYNAR R. K. , KURAL B., ÖREM A., Ovalı E., Gül S., TOPBAŞ M.  
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- VIII. **Primer Hipertansiyonlu Hastalarda Hedef Organ Hasarı ile Serum Leptin Seviyeleri Arasındaki İlişki**  
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25.. Ulusal Nefroloji, Hipertansiyon, Diyaliz ve Transplantasyon Kongresi, Antalya, Turkey, pp.57
- IX. **The relation between target organ damage and leptin levels in patients with primary hypertension**  
ERKUT N., KAYNAR R. K. , ULUSOY Ş., KURAL B., KUTLU M., ERDÖL H., TOPBAŞ M., ÖZTÜRK S., KOLA M., GÜL S., et al.  
7. Uluslararası Karadeniz Aile Hekimliği Kongresi, Trabzon, Turkey, 11 - 14 October 2018, pp.130-139
- X. **The investigation of anti-inflammatory effects of mad honey (R. ponticum) on the wound healing in streptozocin - induced diabetic rats**  
MALKOÇ M., YAMAN S. Ö. , İMAMOĞLU Y., KURAL B., MÜNGAN S., YILDIZ O., KOLAYLI S.  
International honey commission congress, Antalya, Turkey, 25 - 27 September 2017, pp.14
- XI. **The Investigation of Anti-inflammatory Effects of Mad Honey (R. ponticum) on the Wound Healing in Streptozocin-Induced Diabetic Rats**  
MALKOÇ M., ÖZER YAMAN S., İMAMOĞLU Y., KURAL B., mungan s., yıldız O., KOLAYLI S.  
International Honey Commission Congress 2017, 25 - 27 September 2017
- XII. **The Effect of Mad Honey (R. Ponticum) on Oxidant-Antioxidant Balance of Wounds Tissues in Streptozocin-Induced Diabetic Rats**  
MALKOÇ M., ÖZER YAMAN S., ince i., KURAL B., KOLAYLI S.  
International Honey Commission Congress 2017, 25 - 27 September 2017
- XIII. **The effect of Mad Honey on dorsal Wounds of Diabetic Rats**  
MALKOÇ M., ÖZER YAMAN S., KURAL B., İMAMOĞLU Y., UYDU H. A.  
Uluslararası Biyokimya Kongresi 2017., 19 - 23 September 2017
- XIV. **SOLUBLE TUMOR NECROSIS FACTOR-LIKE WEAK INDUCER OF APOPTOSIS AND SOLUBLE CD163 LEVELS IN PATIENTS WITH BEHCET'xxS DISEASE**  
BALABAN YÜCESAN F., ÖREM A., AKSU ARICA D., AKCAN ALTINKAYNAK B., AKŞAN B., ÖZER YAMAN S., KURAL B., BAHADIR S.  
85th Congress of the European-Atherosclerosis-Society (EAS), 23 - 26 April 2017, vol.263, pp.140-141
- XV. **kronik böbrek hastası olanlarda serum II31 ve UDP Glukoz Seramid Glikozil Transferaz Düzeylerinin Dermatolojik Bulgular ile ilişkisi**  
KAYNAR R. K. , AKSU ARICA D., KURAL B., ULUSOY Ş., CANSIZ M., BAYKAL SELÇUK L., ÇAN G., KOLAYLI C. C.  
19. ULUSAL HİPERTANSİYON VE BÖBREK HASTALIKLARI KONGRESİ, Girne, Cyprus (Kktc), 10 - 14 May 2017, pp.31
- XVI. **Effect of instant black tea on gene expression of paraoxonase 1 in hepatocyte HEPG2 cell lines**  
Tekme H. H. , KURAL B., DEMİR S., US ALTAY D., ÖZER YAMAN S., ÖREM A., ALASALVAR C., TURAN İ.  
The 2nd International & the 14th Iranian Nutrition Congress, 4 - 07 September 2016
- XVII. **Effect of instant black tea on gene expression of paroxonase 1 in hepatocyte HepG2 cell lines**  
HAJIZADEH TEKMEH H., KURAL B., DEMİR S., US ALTAY D., ÖZER YAMAN S., KÖR S., ÖREM A., ALAŞALVAR C., TURAN İ.  
2nd International and 14th Iranian Nutrition Congress, Tahrán, Iran, 4 - 07 September 2016, pp.83
- XVIII. **The relationship of dermatological findings with serum IL-31 and UDP glucose ceramide glucosyltransferase levels among chronic kidney disease patients.**  
Yılmaz güvercin b., KAYNAR R. K. , AKSU ARICA D., KURAL B., ULUSOY Ş., CANSIZ M., BAYKAL SELÇUK L., ŞENTÜRK

A., ÇAN G.

53 rd. Congress ERA-EDTA, 21 - 24 May 2016

- XIX. **Dexmedetomidinin iyonize radrasyona bağıli oxidatif hasarı önlemedeki profilaktik etkileri**  
KUTANIŞ D., ERTÜRK E., BEŞİR A., DEMİRCİ Y., KAYIR S., KURAL B., BAHAT Z., CANYILMAZ E., KARA H.  
Göğüs Kalp Damar Anestezi ve Yoğun Bakım Derneği Ulusal Kongresi, Turkey, 21 - 24 April 2016
- XX. **The utility of aqueous extrats of Crataeous tanacetifoli against to in vitro oxidation of the Apo B containing lipoproteins Low and very low density lipoproteins**  
KÜÇÜK KENT N., CENGİZ S., KURAL B., ÖREM A., coşkunçelebi k., KILINÇ K.  
XIX Lipid Meeting, Leipzig, Germany, 10 - 12 December 2015, pp.3-8
- XXI. **Tle utility of aquous extratcts of Crataegus Tanecetifoll aginst to in vitro oxidaiton of apo B containing lipoproteins**  
Küçük Kent N., Cengiz S., KURAL B., Coşkunçelebi K., Kılınç K.  
XIX Lipid Meeting, Leipzig, Germany, 10 - 12 December 2015, pp.73
- XXII. **RESISTIN LEVELS AND PROTEIN ENERGYWASTING OF PATIENTS WITH CHRONIC KIDNEY DISEASE; IS THERE ANY INTERACTION?**  
KAYNAR K., Kural B. V. , ULUSOY Ş., CANSIZ M., AKCAN B., MISIR N., YAMAN S., Kaya N.  
50th European-Renal-Association - European-Dialysis-and-Transplant-Association Congress, İstanbul, Turkey, 18 - 21 May 2013, vol.28, pp.162
- XXIII. **IS THERE ANY WAY TO PROTECT FROM TACROLIMUS-INDUCED RENAL AND PANCREAS INJURY?**  
Kaynar K., Kaynar K., ERSÖZ Ş., Aliyazıoğlu R., Uzun A., ULUSOY Ş., Al S., Ozkan G., CANSIZ M.  
49th Congress of the European-Renal-Association/European-Dialysis-and-Transplant-Association (ERA-EDTA), Paris, France, 24 - 27 May 2012, vol.27, pp.333
- XXIV. **RATLARDA OLUŞTURULAN AKUT NEKROTİZAN PANKREATİTTE MALONDİALDEHİT VE RUTİN PARAMETRE SEVİYELERİNİN ZAMANA BAĞLI DEĞİŞİMİ**  
KURAL B., küçük kent n., TÜRKİYILMAZ S., ALHAN E., erçin c., dönder e., MAZLUM ŞEN T., aslan z.  
23. ulusal biyokimya kongresi, Adana, Turkey, 29 November - 02 December 2011, vol.36, no.2, pp.298
- XXV. **Effects of 17-Beta Estradiol on the necrotizing Pancreatitis in rats.**  
ALHAN E., CİNEL A., TÜRKİYILMAZ S., KURAL B.  
45nd Congress of the European Society for Surgical Research (ESSR), Cenevre, Switzerland, 9 - 12 June 2010, pp.35-36
- XXVI. **Kale extracts increase the resistance of LDL to oxidation**  
KUCUK N., KURAL B., ÖREM A.  
Joint Conference of the 33rd FEBS Congress/11th IUBMB Conference, Athens, Greece, 28 June - 03 July 2008, vol.275, pp.380

## Citations

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