

# Prof. ZELİHA GÜNNUR DİKMEN

## Personal Information

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## Education Information

Doctorate, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Biyokimya, Turkey 2001 - 2005

Expertise In Medicine, Hacettepe Üniversitesi, Tıp Fakültesi, Tıbbi Biyokimya, Turkey 1996 - 2001

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Telomeraz inhibitörü "GRN163L" nin A549-Luc akciğer kanseri ve MDA-MB 231-Luc meme kanseri hücre serileri üzerindeki in vivo ve in vitro etkilerinin incelenmesi, Hacettepe University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, 2005

Expertise In Medicine, Genitoüriner sistem tümörlerinde telomeraz aktivitesi tayini, Hacettepe University, 2001

## Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

## Academic Titles / Tasks

Professor, Hacettepe University, 2016 - Continues

Associate Professor, Hacettepe University, 2010 - 2016

## Academic and Administrative Experience

Head of Department, Hacettepe University, Tıp Fakültesi (İngilizce), Temel Tıp Bilimleri Bölümü, 2017 - 2020

## Advising Theses

Dikmen Z. G. , Tirozin kinaz inhibitörü kullanan kronik myeloid lösemi hastalarında trombosit fonksiyonlarının değerlendirilmesi, Postgraduate, Y.ŞENER(Student), 2015

DİKMEN Z. G. , Measurement of electron transport chain activities in high risk pregnancy, Doctorate, M.BEYRAMZADEH(Student), 2015

DİKMEN Z. G. , The in vitro and in vivo effects of telomerase substrate 6-thio-2'-deoxyguanosine, Doctorate, İ.MENDER(Student), 2014

DİKMEN Z. G. , Telomeraz inhibitörü GRN163L''nin (Imetelstat) hücre iskeleti ve hücre döngüsü üzerine etkileri, Postgraduate, İ.MENDER(Student), 2009

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

- I. **Treatment of hypothyroidism improves glomerular filtration rate (GFR) in geriatric patients**  
EŞME M., Bulur O., ATAK M. C. , BALCI C., Dal K., Ertugrul D. T. , DİKMEN Z. G. , HALİL M. G. , CANKURTARAN M., DOĞU B. B.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.3, pp.1267-1272, 2021 (Journal Indexed in SCI)
- II. **Efficacy of transcutaneous posterior tibial nerve stimulation in children with functional voiding disorders**  
Jafarov R., CEYHAN E., KAHRAMAN O., CEYLAN T., DİKMEN Z. G. , TEKGÜL S., Dogan H. S.  
NEUROUROLOGY AND URODYNAMICS, 2020 (Journal Indexed in SCI)
- III. **Serum Apelin and Asymmetric Dimethylarginine Levels in Patients With Exfoliation Syndrome or Exfoliative Glaucoma**  
Aygün F. B. , KOCABEYOĞLU S., Irkeç M., DİKMEN Z. G. , UMAROĞLU M. M. , Konstas A. G. P.  
JOURNAL OF GLAUCOMA, vol.29, no.7, pp.593-597, 2020 (Journal Indexed in SCI)
- IV. **Joint Modeling Approach on Evaluating Time-Dependent CutOff Values for C-Reactive Protein in Mixed Intensive Care Unit Population**  
KONAR N. M. , KARAİSMAİLOĞLU E., PORTAKAL AKÇİN O., PINAR A., DİKMEN Z. G. , KARAAĞAOĞLU A. E.  
CLINICAL LABORATORY, vol.66, no.9, pp.1725-1730, 2020 (Journal Indexed in SCI)
- V. **TKI-Related Platelet Dysfunction Does Not Correlate With Bleeding in Patients With Chronic Phase-Chronic Myeloid Leukemia With Complete Hematological Response**  
Sener Y., OKAY M., Aydın S., BÜYÜKAŞIK Y., AKBIYIK F., DİKMEN Z. G.  
CLINICAL AND APPLIED THROMBOSIS-HEMOSTASIS, vol.25, 2019 (Journal Indexed in SCI)
- VI. **Triple test with tumor markers CYFRA 21.1, HE4, and ProGRP might contribute to diagnosis and subtyping of lung cancer**  
Korkmaz E. T. , KÖKSAL D., Aksu F., DİKMEN Z. G. , İÇEN D., Maden E., Onder S., Akbiyik F., Emri S.  
CLINICAL BIOCHEMISTRY, vol.58, pp.15-19, 2018 (Journal Indexed in SCI)
- VII. **A statistical approach to evaluate the performance of cardiac biomarkers in predicting death due to acute myocardial infarction: time-dependent ROC curve**  
KARAİSMAİLOĞLU E., DİKMEN Z. G. , AKBIYIK F., KARAAĞAOĞLU A. E.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, no.2, pp.237-245, 2018 (Journal Indexed in SCI)
- VIII. **Placental respiratory chain complex activities in high risk pregnancies.**  
BEYRAMZADEH M., DİKMEN Z. G. , ERTURK N., Tuncer Z. S. , AKBIYIK F.  
The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians, vol.30, pp.2911-2917, 2017 (Journal Indexed in SCI Expanded)
- IX. **How can I protect my telomeres and slow aging?**  
DİKMEN Z. G. , Mender I.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.6, pp.587-590, 2017 (Journal Indexed in SCI)
- X. **A survey of patients' views from eight European countries of interpretive support from Specialists in Laboratory Medicine**  
Watson I. D. , Oosterhuis W. P. , Jorgensen P. E. , DİKMEN Z. G. , Siodmiak J., Jovicic S., Aakre K. M. , Palicka V., Kutt M.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.55, no.10, pp.1496-1500, 2017 (Journal Indexed in SCI)

- XI. **The association between coenzyme Q10 concentrations in follicular fluid with embryo morphokinetics and pregnancy rate in assisted reproductive techniques**  
Akarsu S., Gode F., Isik A. Z., DİKMEN Z. G., Tekindal M. A.  
JOURNAL OF ASSISTED REPRODUCTION AND GENETICS, vol.34, no.5, pp.599-605, 2017 (Journal Indexed in SCI)
- XII. **Serum Human Epididymis Protein 4 (HE4) As A Diagnostic And Follow-Up Biomarker in Patients With Non-Small Cell Lung Cancer**  
KUMBASAR U., DİKMEN Z. G., YILMAZ Y., ANCIN B., DİKMEN E., DOĞAN R.  
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.27, no.3, pp.137-142, 2017 (Journal Indexed in SCI)
- XIII. **Gestation specific reference intervals for thyroid function tests in pregnancy**  
Akarsu S., Akbiyik F., Karaismailoglu E., DİKMEN Z. G.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.54, no.8, pp.1377-1383, 2016 (Journal Indexed in SCI)
- XIV. **COMPARISON OF SPECTROPHOTOMETRIC AND FLUORIMETRIC METHODS IN EVALUATION OF BIOTINIDASE DEFICIENCY**  
İŞERİ ERTEN S. Ö., DİKMEN Z. G., Ulusu N. N.  
JOURNAL OF MEDICAL BIOCHEMISTRY, vol.35, no.2, pp.123-129, 2016 (Journal Indexed in SCI)
- XV. **European views on patients directly obtaining their laboratory test results**  
Watson I. D., Siodmiak J., Oosterhuis W. P., Corberand J., Jorgensen P. E., DİKMEN Z. G., Jovicic S., Theodorsson E.  
CLINICAL CHEMISTRY AND LABORATORY MEDICINE, vol.53, no.12, pp.1961-1966, 2015 (Journal Indexed in SCI)
- XVI. **Specimen rejection in laboratory medicine: Necessary for patient safety?**  
DİKMEN Z. G., Pinar A., Akbiyik F.  
BIOCHEMIA MEDICA, vol.25, no.3, pp.377-385, 2015 (Journal Indexed in SCI)
- XVII. **Induction of Telomere Dysfunction Mediated by the Telomerase Substrate Precursor 6-Thio-2'-Deoxyguanosine**  
Mender I., Gryaznov S., Dikmen Z. G., Wright W. E., Shay J. W.  
CANCER DISCOVERY, vol.5, no.1, pp.82-95, 2015 (Journal Indexed in SCI)
- XVIII. **Diagnostic performances of CA 125, HE4, and ROMA index in ovarian cancer**  
DİKMEN Z. G., Colak A., Dogan P., Tuncer S., Akbiyik F.  
EUROPEAN JOURNAL OF GYNAECOLOGICAL ONCOLOGY, vol.36, no.4, pp.457-462, 2015 (Journal Indexed in SCI)
- XIX. **Telomerase and telomeres as targeted therapies**  
DİKMEN Z. G.  
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, vol.36, 2015 (Journal Indexed in SCI)
- XX. **Diagnostic Efficiency of HE4 and CYFRA 21-1 in Patients with Lung Cancer**  
DİKMEN E., Gungor A., DİKMEN Z. G., AKBIYIK F.  
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.25, no.1, pp.44-50, 2015 (Journal Indexed in SCI)
- XXI. **Effect of carotenoid beta-cryptoxanthin on cellular and humoral immune response in rabbit**  
Ghodratizadeh S., KANBAK G., Beyramzadeh M., DİKMEN Z. G., Memarzadeh S., Habibian R.  
VETERINARY RESEARCH COMMUNICATIONS, vol.38, no.1, pp.59-62, 2014 (Journal Indexed in SCI)
- XXII. **Platelet function disorders**  
DİKMEN Z. G., AKBIYIK F.  
Turkish Journal of Biochemistry-Turk Biyokimya Dergisi, vol.39, no.4, pp.567-570, 2014 (Journal Indexed in SCI)
- XXIII. **Platelet function tests**  
DİKMEN Z. G., AKBIYIK F.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.39, no.4, pp.549-553, 2014 (Journal Indexed in SCI)
- XXIV. **Imetelstat (a telomerase antagonist) exerts off-target effects on the cytoskeleton**  
MENDER İ., Senturk S., Ozgunes N., Akcali K. C., KLETSAS D., GRYAZNOV S., Can A., SHAY J. W., DİKMEN Z. G.  
INTERNATIONAL JOURNAL OF ONCOLOGY, vol.42, no.5, pp.1709-1715, 2013 (Journal Indexed in SCI)
- XXV. **The Effects of Ara-C, Simvastatin and combo therapy on energy metabolism of HL-60 promyelocytic leukemia cell lines**  
BOYUNAGA H., DİKMEN Z. G., KENAR L., SAYGUN O., KELES H., URAL A. U., LALE M., KOSARGELİR M.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.38, no.1, pp.31-36, 2013 (Journal Indexed

in SCI)

- XXVI. **The Effect of Telomerase Template Antagonist GRN163L on Bone-Marrow-Derived Rat Mesenchymal Stem Cells is Reversible and Associated with Altered Expression of Cyclin d1, cdk4 and cdk6**  
Tokcaer-Keskin Z., DİKMEN Z. G. , Ayaloglu-Butun F., Gultekin S., GRYAZNOV S. M. , Akcali K. C.  
STEM CELL REVIEWS AND REPORTS, vol.6, no.2, pp.224-233, 2010 (Journal Indexed in SCI)
- XXVII. **Targeting critical steps of cancer metastasis and recurrence using telomerase template antagonists**  
DİKMEN Z. G. , OZGURTAS T., GRYAZNOV S. M. , HERBERT B.  
BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE, vol.1792, no.4, pp.240-247, 2009 (Journal Indexed in SCI)
- XXVIII. **In vivo and in vitro effects of a HIF-1 alpha inhibitor, RX-0047**  
DİKMEN Z. G. , GELLERT G. C. , DOGAN P., YOON H., LEE Y. B. , AHN C. H. , SHAY J. W.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.104, no.3, pp.985-994, 2008 (Journal Indexed in SCI)
- XXIX. **Telomerase targeted oligonucleotide thio-phosphoramidates in T24-luc bladder cancer cells**  
DİKMEN Z. G. , WRIGHT W. E. , SHAY J. W. , GRYAZNOV S. M.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.104, no.2, pp.444-452, 2008 (Journal Indexed in SCI)
- XXX. **Antiadhesive effects of GRN163L - An oligonucleotide N3 '-> P5 ' thio-phosphoramidate targeting telomerase**  
JACKSON S. R. , ZHU C., PAULSON V., WATKINS L., Dikmen Z. G. , GRYAZNOV S. M. , WRIGHT W. L. , SHAY J. W.  
CANCER RESEARCH, vol.67, no.3, pp.1121-1129, 2007 (Journal Indexed in SCI)
- XXXI. **In vivo inhibition of lung cancer by GRN163L: A novel human telomerase inhibitor**  
Dikmen Z. G. , GELLERT G., JACKSON S., GRYAZNOV S., TRESSLER R., Dogan P., WRIGHT W., SHAY J.  
CANCER RESEARCH, vol.65, no.17, pp.7866-7873, 2005 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Investigating Factors Affecting Diagnostic Performance of Serial C-Reactive Protein Measurements by Using Joint Modeling Approach**  
KONAR N. M. , KARAIŞMAİLOĞLU E., PORTAKAL AKÇİN O., PINAR A., DİKMEN Z. G. , KARAAĞAOĞLU A. E.  
Turkiye Klinikleri Journal of Biostatistics, vol.10, no.1, pp.52-64, 2018 (Other Refereed National Journals)
- II. **RADIOSENSITIVITY OF HUMAN BRONCHIAL EPITHELIAL CELLS WITH GENETIC ALTERATIONS**  
DİKMEN Z. G. , Dikmen E., DOĞAN P.  
GAZI MEDICAL JOURNAL, vol.16, no.2, pp.84-87, 2005 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of Laboratory Safety of the Laboratory Staff.**  
DİKMEN Z. G. , ŞENEŞ M., PORTAKAL AKÇİN O., SEPİCİ DİNÇEL A., SAYDAM G., KÜÇÜK H. S. , YÜCEL D.  
International Biochemical Congress 2017, 28th National Biochemistry Congress, Erzurum, 19 - 23 September 2017
- II. **Are Barricor tubes suitable for emergency laboratories?**  
BAKIR E. N. , METİN AKSU N., AKKAŞ M., KARAIŞMAİLOĞLU E., PINAR A., DİKMEN Z. G.  
Uluslararası Biyokimya Kongresi 2017, 19 - 23 September 2017
- III. **Koronar arter hastalığı tanısında iskemi modifiye albumin, 7-ketokolesterol ve kolestan 3β,5α,6β-triol'ün rolü.**  
KELEŞ M. E. , YALÇINKAYA A., ŞENER Y. Z. , SAMADİ A., SEZGİN A., CANPOLAT U., LAY İ., DİKMEN Z. G.  
International Biochemistry Congress / 28th National Biochemistry Congress., Erzurum, Turkey, 19 - 23 September 2017
- IV. **The diagnostic value of serum tumor markers in newly diagnosed lung cancer patients**  
KORKMAZ T. E. , KÖKSAL D., AKSU F., DİKMEN Z. G. , İÇEN D., Maden E., ÖNDER S. Ç. , Akbıyık F., EMRİ K. A. S.  
27th International Congress of the European Respiratory Society, Milan, Italy, 9 - 13 September 2017

- V. **Thyroid function tests in Turkish geriatric population**  
DİKMEN Z. G. , PORTAKAL AKÇİN O., KARAIŞMAİLOĞLU E., TUNA DOĞRUL R., Sümer F., YAVUZ B. B. , AKBIYIK F.  
69th aacc annual scientific meeting clinical lab expo, 30 July - 03 August 2017
- VI. **Yeni Tanı Alan Akciğer Kanseri Hastalarda Serum Tümör Belirteçlerinin Tanısal Değeri**  
KORKMAZ T. E. , KÖKSAL D., AKSU F., DİKMEN Z. G. , İÇEN D., Maden E., ÖNDER S. Ç. , Akbiyik F., EMRİ K. A. S.  
II. Türkiye in vitro Dıyagnostik-BİYOBELİRTEÇLER Sempozyumu, Turkey, 10 - 12 May 2017
- VII. **Kan amonyak düzeylerini etkileyen preanalitik faktörler.**  
DEMİRBAĞ E. N. , LAY İ., KARAIŞMAİLOĞLU E., AKBIYIK F., DİKMEN Z. G.  
Uluslararası Katılımlı XVIII. Klinik Biyokimya Kongresi., Girne, Cyprus (Kktc), 4 - 07 May 2017, vol.15, pp.152
- VIII. **DIAGNOSTIC UTILITY OF MESOTHELIN, OSTEOPOINTIN AND MEGAKARYOCYTE POTENTIATION FACTOR IN TURKISH PATIENTS WITH MALIGNANT MESOTHELIOMA**  
EMRİ K. A. S. , DİKMEN Z. G. , SARINÇ ULAŞLI S., ESENDAĞLI D., YILMAZ U., ŞİMŞEK ÖZEK N., SEVERCAN F., AKBIYIK F.  
IASLC 17TH WORLD CONFERENCE, 4 - 07 December 2016
- IX. **A novel telomerase inhibitor.**  
Mender I., Gryaznov S., DİKMEN Z. G. , Wright W., Shay J.  
104th Annual Meeting of the American-Association-for-Cancer-Research (AACR), Washington, Kiribati, 6 - 10 April 2013, vol.73

## Supported Projects

- İRKEÇ M. T. , KOCABEYOĞLU S., DİKMEN Z. G. , YÜCEL A., Project Supported by Higher Education Institutions, Primer Açık Açılı Glokom ve Eksfoliasyon Glokomunda Serum Sirtuin ve Adiponektin Düzeylerinin Değerlendirilmesi, 2018 - 2019
- KOCABEYOĞLU S., BEZCİ F., İRKEÇ M. T. , DİKMEN Z. G. , Project Supported by Higher Education Institutions, Psödoeksfoliasyon Sendromu ve Glokomunun Serum Apelin ve Asimetrik Dimetiltarjinin Düzeyi ile İlişkisi, 2018 - 2019
- TUNCER Z. S. , DİKMEN Z. G. , DURU S. A. , KARABULUT E., Project Supported by Higher Education Institutions, ENDOMETRİYAL PATOLOJİ VE ANORMAL UTERİN KANAMA İLE BAŞVURAN HASTALARDA ENDOMETRİYAL BİYOPSİ SONUÇLARININ ANTİMULLERİAN HORMON ÖSTRADİOL CA125 ve HE4 DÜZEYİ İLE İLİŞKİSİ, 2017 - 2019
- DİKMEN Z. G. , Project Supported by Higher Education Institutions, Sağlıklı yaşlanmada rol oynayan protein biomarkerların tanımlanması ve telomer uzunluk tayini, 2018 - 2018
- DİKMEN Z. G. , Project Supported by Higher Education Institutions, 69th AACC ve Clin Lab Expo katılımı, 2017 - 2017
- DİKMEN Z. G. , BÜYÜKAŞIK Y., AYDIN M. S. , ŞENER Y., AKBIYIK F., Project Supported by Higher Education Institutions, Tirozin kinaz inhibitörlerini kullanan Kronik Myeloid Lösemi hastalarında trombosit fonksiyonlarının değerlendirilmesi, 2015 - 2017
- DİKMEN Z. G. , Project Supported by Higher Education Institutions, 20.Dünya Onkolojide Gelişmeler Kongresi ve 18.Uluslararası Moleküler Tıp Sempozyumu, 2015 - 2017
- DİKMEN Z. G. , TUBITAK Project, Yeni Nesil Kanser Terapisi İçin Bir Yaklaşım G4 DNA yı Kararlı Kılan Floren Fluorenon Temelli Yeni Nesil Floresans Ligandların Sentezi Ligand Dna Etkileşim Mekanizmalarının ve Anti telomeraz Aktivitesinin incelenmesi KBAG 113Z704, 2014 - 2017
- DİKMEN Z. G. , Project Supported by Higher Education Institutions, Bilim insanı daveti, 2014 - 2015

## Citations

Total Citations (WOS):498

h-index (WOS):11