**Assoc. Prof. Emine KILIÇ TOPRAK**

Pamukkale University Medical Faculty Department of Physiology Denizli/Turkey

pt\_emine@yahoo.com / [ektoprak@pau.edu.tr](mailto:ektoprak@pau.edu.tr)

**Education:**

**License**, Dokuz Eylul University, School of Physical Therapy and Rehabilitation, Izmir, Turkey (2000-2004)

**Master**, Dokuz Eylul University, School of Physical Therapy and Rehabilitation, Izmir, Turkey **(2004-2007)**

**Master**, Pamukkale University, Graduate School of Health Sciences, Department of Physiology, Denizli, Turkey (2008-2010)

**PhD**, Pamukkale University, Graduate School of Health Sciences, Department of Physiology, Denizli, Turkey (2010-2015)

**Professional Experience:**

2020 -to date **Associate Professor,** Pamukkale University Medical Faculty Department of Physiology Denizli, Turkey

2018-2020, **Assistant Professor,** Pamukkale University Medical Faculty Department of Physiology Denizli, Turkey

2009-2018, **Instructor**, Pamukkale University, Denizli Health Sciences Vocational High School, Denizli, Turkey,

2004-2007, **Research assistant**, Dokuz Eylul University, School of Physical Therapy and Rehabilitation, Izmir, Turkey

**Administrative experience:**

2018- to date: Pamukkale University Faculty of Medicine Pre-Graduation Education Coordination Committee Membership

2018- to date: Pamukkale University Faculty of Medicine Term 2 Assistant Coordinator

2019- to date: Pamukkale University Experimental Surgery Application and Research Center Deputy Director:

**Research Interests and Skills:**

Exercise, Hemorheology, Oxidative Stress, DNA damage, Cell Culture, Polyphenols, Adipocyte, Obesity

**Publications:**

**A1.** B. Unver, V. Karatosun, **E. Kilic**, “The effects of external supports on knee flexion degree.”, *J Phys Ther Sci*, 20: 221-24, 2008.

**A2. E. Kilic-Toprak**, F. Ardic, G. Erken, F. Unver-Kocak, V. Kucukatay, M. Bor-Kucukatay, “Hemorheological responses to progressive resistance exercise training in healthy, young males.,” *Med Sci Monit,* 18(6): CR351-60, 2012.

**A3.** Y.T. Yaylali, I. Susam, E. Demir, M. Bor-Kucukatay, B. Uludag, **E. Kilic-Toprak**, G. Erken, D. Dursunoglu, “[Increased red blood cell deformability and decreased aggregation as potential adaptive mechanisms in the slow coronary flow phenomenon.”](http://www.ncbi.nlm.nih.gov/pubmed/23111584), *Coron Artery Dis,* 24(1): 11-5, 2013. doi: 10.1097/MCA.0b013e32835b0bdf.

**A4.** G. Erken, M. Bor-Kucukatay, **E. Kilic-Toprak**, B. Akdag, V. Kucukatay, ‘’[The effect of L-carnosine on erythrocyte deformability and aggregation according to the cell age in young and aged rats.](http://www.ncbi.nlm.nih.gov/pubmed/23909051)’’, *Acta Medica (Hradec Kralove),* 56(1):23-8, 2013.

**A5.** R. Kursunluoglu-Akcilar, **E. Kilic-Toprak**, O. Kilic-Erkek, S. Turgut, M. Bor-Kucukatay, “Apelin induced hemorheological alterations in DOCA-salt hypertensive rats.”, *Clin Hemorheol Microcirc,* 56(1): 75-82, 2014. doi: 10.3233/CH-121649.

**A6.** M. Bor-Kucukatay, R. Colak, G. Erken, **E. Kilic-Toprak**, V. Kucukatay, ‘’[Altitude training induced alterations in erythrocyte rheological properties: A controlled comparison study in rats.](http://www.ncbi.nlm.nih.gov/pubmed/23514970)’’, *Clin Hemorheol Microcirc,* 58(4): 479-88, 2014. doi: 10.3233/CH-131711.

**A7.** I. Toprak, V. Kucukatay, C. Yildirim, **E.** **Kilic-Toprak**, O. Kilic-Erkek, ‘’[Increased systemic oxidative stress in patients with keratoconus.’’](http://www.ncbi.nlm.nih.gov/pubmed/24310241), *Eye (Lond)*, Mart 28(3): 285-9, 2014. doi: 10.1038/eye.2013.262.

**A8.** G. Findikoglu, **E. Kilic-Toprak**, O. Kilic-Erkek, H. Senol, M. Bor-Kucukatay, ‘’[Acute effects of continuous and intermittent aerobic exercises on hemorheological parameters: A pilot study.](http://www.ncbi.nlm.nih.gov/pubmed/24961615)’’, *Biorheology*, 51(4-5):293-303, 2014. doi: 10.3233/BIR-14012.

**A9.** O. Kilic-Erkek, **E. Kilic-Toprak**, V. Kucukatay, M. Bor-Kucukatay, ‘’[Exercise training and detraining modify hemorheological parameters of spontaneously hypertensive rats.](http://www.ncbi.nlm.nih.gov/pubmed/25467762)’’, *Biorheology,* 51(6):355-67, 2014. doi: 10.3233/BIR-14030.

**A10.** **E. Kilic-Toprak,** I. Toprak, ‘’Future problems of uncorrected refractive errors in children.’’ [*Procedia - Social and Behavioral Sciences*](http://www.sciencedirect.com/science/journal/18770428)*,* [159](http://www.sciencedirect.com/science/journal/18770428/159/supp/C)(23):534–36, 2014.

**A11.** H. Tancer-Elci, Y. Isik-Balcı, M. Bor-Kucukatay, **E. Kilic-Toprak**, O. Kilic-Erkek, H. Senol, H. Aybek, ‘’[Investigation of hemorheological parameters at the diagnosis and the follow-up of nutritional vitamin b12 deficient children.’’](http://www.ncbi.nlm.nih.gov/pubmed/23719423), *Clin Hemorheol Microcirc,* Jul 27;60(3):273-82, 2015. doi: 10.3233/CH-131740.

**A12.** Y. Isik-Balci, H. Tancer-Elci, M. Bor-Kucukatay, O. Kilic-Erkek**, E. Kilic-Toprak** , H. Senol, S. Rota, ‘’[Investigation of hemorheological parameters at the diagnosis and follow up of children with iron deficiency anemia and mixed anemia.](http://www.ncbi.nlm.nih.gov/pubmed/24448733)‘’, *Clin Hemorheol Microcirc,* 16;60(2):179-89, 2015.

**A13. E. Kilic-Toprak**, A. Yapici, O. Kilic-Erkek, Y. Köklü, V. Tekin, U. Alemdaroglu, M. Bor-Kucukatay, ‘’[Acute effects of Yo-Yo intermittent recovery test level 1 (Yo-YoIR1) on hemorheological parameters in female volleyball players.](http://www.ncbi.nlm.nih.gov/pubmed/24840339)’’, *Clin Hemorheol Microcirc,* 16;60(2):191-9, 2015.

**A14.** O. Kilic-Erkek, Mergen-Dalyanoglu M, **E.** **Kilic-Toprak**, Ozkan S, Bor-Kucukatay M, Turgut S. ‘’Exercise training and detraining process affects plasma adiponectin level in healthy and spontaneously hypertensive rats.’’, *Bratisl Med J,* 116(12):741-5, 2015.

**A15.** O. Kilic-Erkek , **E. Kilic-Toprak**, S. Caliskan, Y. Ekbic, I. Hakkı Akbudak, V. Kucukatay, M. Bor-Kucukatay. ‘’Detraining reverses exercise-induced improvement in blood pressure associated with decrements of oxidative stress in various tissues in spontaneously hypertensive rats.’’ *Mol Cell Biochem,* 412(1-2):209-19, 2016. doi: 10.1007/s11010-015-2627-4.

**A16.** **E.** **Kilic-Toprak,** I. Toprak**,** O. Kilic-Erkek, V. Kucukatay, M. Bor-Kucukatay. ’’Increased erythrocyte aggregation in patients with primary open angle glaucoma.’’, *Clin Exp Optom*, Nov;99(6):544-9, 2016. doi: 10.1111/cxo.12388.

**A17.** Y. Isik-Balci, S. Yilmaz-Agladıoglu, K. Agladıoglu, **E. Kilic-Toprak**, O. Kilic-Erkek, B. Ozhan, A. Polat, M. Bor Kucukatay. ‘’Impaired Hemorheological Parameters in Children with Subclinical Hypothyroidism.’’, *Horm Res Paediatr,* 85(4):250-6, 2016. doi: 10.1159/000444363.

**A18. E. Kilic-Toprak,** B. Kiray-Vural, ‘’ Importance of Physical Exercise in Elderly People with Arterial Hypertension.’’, *Kasmera Journal*, 44(1):575-88, 2016.

**A19.** E.Ugurlu, **E. Kilic-Toprak**, G. Altinisik, O. Kilic-Erkek, B. Cengiz, V. Kucukatay, H. Senol, I. Hakkı Akbudak, Y. Ekbic, M. Bor-Kucukatay. ‘’ Increased erythrocyte aggregation and oxidative stress in patients with idiopathic interstitial pneumonia.’’, *Sarcoidosis Vasc Diffuse Lung Dis,* 33(4):308-16, 2016.

**A20.** E.Ugurlu, **E. Kilic-Toprak**, I.Can, O. Kilic-Erkek, G. Altinisik, M. Bor-Kucukatay. ‘’Impaired Hemorheology in Exacerbations of COPD.’’, *Can Respir J,* 2017:1286263, 2017. doi: 10.1155/2017/1286263.

**A21. E. Kilic-Toprak E**, O. Yaylali, Y.T. Yaylali, Y. Ozdemir, D. Yuksel, H. Senol, T. Sengoz, M. Bor-Kucukatay. ‘’Hemorheological dysfunction in cardiac syndrome X.’’, *Acta Cardiol,* Jun;73(3):257-265, 2018. doi: 10.1080/00015385.2017.1373967. Epub 2017 Sep 11.

**A22. E. Kilic-Toprak,** O. Kilic-Erkek, G. Abban-Mete, V. Caner, I.C. Baris, G. Turhan, V. Kucukatay, H. Senol, O. Kuru, M. Bor-Kucukatay. ‘’Contribution of Heme Oxygenase 2 to Blood Pressure Regulation in Response to Swimming Exercise and Detraining in Spontaneously Hypertensive Rats’’. *Med Sci Monit,* Aug 22;24:5851-5859, 2018. doi: 10.12659/MSM.908992.

**A23.** Y.T.Yaylali, **E.** **Kilic-Toprak**, Y. Ozdemir, H. Senol, M. Bor-Kucukatay. ‘’[Impaired Blood Rheology in Pulmonary Arterial Hypertension’’.](https://www.ncbi.nlm.nih.gov/pubmed/30253971) *Heart Lung Circ,* Jul;28(7):1067-1073, 2019. doi: 10.1016/j.hlc.2018.07.014.

**A24.** F. Unver, **E.** **Kilic-Toprak,** O. Kilic-Erkek, H. Korkmaz, Y. Ozdemir, B. Oymak, A. Oskay, M. Bor-Kucukatay. ‘’[Hemorheological alterations following an acute bout of nordic hamstring exercise in active male participants’’.](https://www.ncbi.nlm.nih.gov/pubmed/30320558) *Clin Hemorheol Microcirc,* 71(4):463-473, 2019. doi: 10.3233/CH-180402.

**A25. E. Kilic-Toprak,** F. Unver, O. Kilic-Erkek, H. Korkmaz, Y. Ozdemir, B. Oymak, A. Oskay, M. Bor-Kucukatay. ‘’Increased erythrocyte aggregation following an acute bout of eccentric isokinetic exercise does not exceed two days’’. *Biorheology,* 55(1):15-24, 2018. doi: 10.3233/BIR-180175.

**A26.** **E.** **Kilic-Toprak,** I. Toprak, S. Caliskan, Y. Ozdemir, O. Demirtas, F. Altintas, V. Kucukatay. ‘’Oxidative Stress and Genotoxicity in Pterygium: A Systemic Investigation’’. *Eye Contact Lens*, Nov;45(6):399-404, 2019. doi:10.1097/ICL.0000000000000620.

**A27.** T.Sengoz, **E.** **Kilic-Toprak**, O. Yaylali, O. Kilic-Erkek, Y. Ozdemir, B. Oymak, H. Senol, D. Yuksel, V. Kucukatay, M. Bor-Kucukatay. ‘’Hemorheology and oxidative stress in patients with differentiated thyroid cancer following I-131 ablation/metastasis Treatment’’. *Clin Hemorheol Microcirc* 74(2):209-221, 2020. doi: 10.3233/CH-190717.

**Abstracts and Presentations:**

**B1.** B. Unver, M. Karatosun, O. Altın, **E.** **Kilic,** V. Karatosun, "Evaluation of conception criteria- oriented enviromental characteristics of the health areas for geriatric people.", *Geriatrics 2006 International Congress of Elderly Health*, Abstract # P134 (Abstract book), Türk Geriartri Dergisi Suppl 1; 9/1; 92-93, İstanbul, Turkey, 2-6 April 2006.

**B2.** F. Unver-Kocak, **E.** **Kilic-Toprak,**  F. Ardıç, ‘’Compare of the postural control on physically active and inactive people", *10* th *International Sport Sciences Congress,* (Abstract book) Abstract # P178, p. 763-765, Bolu, İstanbul, 23-25 October 2008.

**B3.** E. Demir, I. Susam, B. Uludag, M. Bor-Kucukatay, D. Dursunoglu, YT Yaylali, **E. Kilic-Toprak**, G. Erken, “Evaluation of hemorheological parameters in patients with slow coronary flow” *Turkish-FEPS Physiology Congress*, Istanbul, Turkey, Abstract # PC059, 3-7 September, 2011.

**B4.** G. Findikoglu, A. Ozlü, **E.** **Kilic-Toprak,** F. Ardic, ’’ Effect of Combined Aerobic and Progressive Resistive Exercise on Aerobic Capacities of Obese People’’ *Turkish-FEPS Physiology Congress,* Istanbul, Turkey, Abstract # PC230, 3-7 September, 2011.

**B5.** G. Findikoglu, A. Ozlü, **E.** **Kilic-Toprak,** F. Ardic,’’ Effect of Combined Aerobic and Progressive Resistive Exercise on Body Composition of Obese People’’ *Turkish-FEPS Physiology Congress,* Istanbul, Turkey, Abstract # PC231, 3-7 September, 2011.

**B6.** G. Erken, M. Bor-Kucukatay, **E. Kilic-Toprak,** B. Akdag, V. Kucukatay, “Effects of L-Carnosine on blood rheological properties in density-separated erythrocytes of aged and young rats” *Turkish-FEPS Physiology Congress*, Istanbul, Turkey, Abstract # PC066, 3-7 September, 2011.

**B7.** M. Bor-Kucukatay, R. Colak, G. Erken, **E. Kilic-Toprak**, V. Kucukatay, “Altitude training induced alterations in erythrocyte rheological properties and oxidative stress.” *Turkish-FEPS Physiology Congress,* Istanbul, Turkey, Abstract # OC18(W1), 3-7 September, 2011.

**B8.** M. Bor-Kucukatay, R. Kursunluoglu-Akcilar, **E. Kilic-Toprak**, O, Kilic and S. Turgut, ’’Effects of Apelin on red blood cell mechanical properties in DOCA-salt hypertensive rats’’, [*14th International Congress of Biorheology and*](http://www.isb-isch2012.org/intro.htm) *7th International Conference on Clinical Hemorheology*, Abstract # P3, Biorheology, Vol. 49, Number 2-3, p. 200, IOS Press, Amsterdam, Istanbul, Turkey, 4-7 July, 2012.

**B9.** M. Bor-Kucukatay, R. Colak, G. Erken, **E. Kilic-Toprak**, V. Kucukatay. ‘’Altitude training induced alterations in erythrocyte rheological properties and oxidative stress.’’, [*14th International Congress of Biorheology and*](http://www.isb-isch2012.org/intro.htm) *7th International Conference on Clinical Hemorheology*, Abstract # 04-4, Biorheology Vol. 49, Number 2-3, p. 189, IOS Press, Amsterdam, Koç University, Istanbul, Turkey, 4-7 July, 2012.

**B10.** R. Colak, **E. Kilic-Toprak**, G. Erken, M. Bor-Kucukatay,” The effect of progressive resistance exercise training on some oxidative stress parameters in healthy, young males” *The VII International Congress of the Spanish Association of Sport Sciences,* Granada, Spain, 15-17 November 2012.

**B11.** I. Toprak, V. Kucukatay, C. Yildirim, **E.** **Kilic-Toprak**, Kilic-Erkek O, ‘’Oxidative status in keratoconus.’’, *SOE 2013 European Society of Ophthalmology Congress,* (Abstract E-Book), EP-COR-211, p. 63-64, Copenhagen, Denmark, 8-11 June 2013.

**B12.** Y. Isik-Balci, H. Tancer-Elci, M. Bor-Kucukatay, **E.** **Kilic-Toprak**, O. Kilic-Erkek, H. Senol, S. Rota, ‘’Investigation of hemorheological parameters at the diagnosis and follow up of children with iron deficiency anemia and mix anemia.’’, *18th Congress of the European Hematology Association* Abstract P,B1798, # EHA18ABSSUB-5130, Haematologica, p. 697-698, Stockholm, Sweden, 13-16 June, 2013.

**B13.** H. Tancer-Elci, Y. Isik-Balcı, M. Bor-Kucukatay, **E. Kilic-Toprak**, O. Kilic-Erkek, H. Şenol, H. Aybek, ‘’Investigation of hemorheological parameters at the diagnosis and follow up of nutritional vitamin B12 deficient children.’’, *18th Congress of the European Hematology Association,* Abstract P1017, # EHA18ABSSUB-4795, Haematologica, p. 419, Stockholm, Sweden, 13-16 June, 2013.

**B14. E. Kilic-Toprak**, I. Toprak, **‘’**Future Problems of Uncorrected Refractive Errors in Children.’’ *3rd World Conference on Design, Arts and Education*, *DAE-2014.* Abstract OC 8423, p. 31-32, Dubrovnik, Croatia, 02-03 May, 2014.

**B15.** O. Kilic-Erkek, **E. Kilic-Toprak**, I. Akbudak, V. Kucukatay, M. Bor-Kucukatay, ‘’Alterations of renal oxidative stress in response to exercise and detraining of 10 weeks in spontaneously hypertensive rats.’’, *5th International Congress on Cell Membranes and Oxidative Stres: Focus on Calcium Signaling and TRP Channels*. Abstract P84, Cell Membranes and Free Radical Research, Vol. 6, Number 1, p. 369-370. 9-12 September 2014, Isparta, Turkey.

**B16.** Y.Isik-Balcı, S. Yilmaz Agladıoglu, K. Agladıoglu, **E. Kilic- Toprak**, O. Kilic-Erkek, B. Ozhan, A. Polat, M. Bor-Kucukatay, “Effects of subclinically hypothyroidism on haemorheological parameters in paediatric population.” *54th Annual meeting of the European Society for Paediatric Endocrinology (ESPE), Barcelona, Spain*, Abstract # P3-1218, 1-3 October, 2015, Hormone Research in Paediatrics, Vol 84, Special Issue Supplement: 1 Page: 566.

**B17. E. Kilic-Toprak,** I. Toprak, O. Kilic-Erkek, V. Kucukatay, M. Bor-Kucukatay, “Increased erythrocyte aggregation in patients with primary open angle glaucoma.” *Joint Meeting of the FEPS and Baltic Physiological Societies*, Kaunas, Lithuania, Abstract # P1-8, 26-29 August, 2015, Acta Physiologica, Vol 215, Special Issue: SI Supplement: 705 Pages: 64 Meeting Abstract: P1-8 Published: NOV 2015.

**B18.** E.Ugurlu, **E. Kilic-Toprak**, G. Altinisik, O. Kilic-Erkek, B. Cengiz, V. Kucukatay, H. Senol, I.H. Akbudak, M. Bor-Kucukatay, “Investigation of hemorheological parameters in patients with interstitial lung diseases.”, *Joint Meeting of the FEPS and Baltic Physiological Societies,* Kaunas, Lithuania, Abstract # P1-9, 26-29 August, 2015, Acta Physiologica, Vol 215, Special Issue: SI Supplement: 705 Pages: 65 Meeting Abstract: P1-8 Published: NOV 2015.

**B19. E. Kilic-Toprak**, O. Yaylali, Y.T. Yaylali, Y. Ozdemir, Y. Ekbic, V. Kucukatay, D. Yuksel, H. Senol, T. Sengoz, M. Bor-Kucukatay. “Investigation of hemorheological parameters and oxidative stress in patients with cardiac syndrome X.”, *Joint Meeting of the FEPS and French Physiological Societies,* Paris, France, Abstract # P0.017, 29 June-01 July 2016, Acta Physiologica, 2016,217 (Suppl. 708), Page: 37.

**B20.** Y.T.Yaylali, **E. Kilic-Toprak**, Y. Ekbic, Y. Ozdemir, V. Kucukatay, H. Senol, N. Dursunoglu, M. Bor-Kucukatay. ‘’Decreased erythrocyte deformability and increased erythrocyte aggregation in patients with pulmonary hypertension.’’, *Joint Meeting of the FEPS and French Physiological Societies,* Paris, France, Abstract # P0.018, 29 June-01 July 2016, Acta Physiologica, 2016,217 (Suppl. 708), Page: 38.

**B21. E. Kilic-Toprak**, Y.T. Yaylali, Y.Ekbic, Y. Ozdemir, V. Kucukatay, H. Senol, N. Dursunoglu, M. Bor-Kucukatay. ‘’Investigation of DNA damage with comet assay in patients with pulmonary hypertension.’’, *Joint Meeting of the FEPS and French Physiological Societies,* Paris, France, Abstract # P0.024, 29 June-01 July 2016, Acta Physiologica, 2016,217 (Suppl. 708), Page: 40.

**B22.** U.AlemdarogluU, **E. Kilic-Toprak**, Y. Koklu, O. Kilic-Erkek, F. Unver-Kocak, Y. Ozdemir, A. Yapici, Y. Ekbic, M. Bor-Kucukatay. ‘’Time dependent hemorheological and oxidative stress responses to repeated sprint test and wingate anaerobic power and capacity test.’’, *Joint Meeting of the FEPS and French Physiological Societies,* Paris, France, Abstract # P0.088, 29 June-01 July 2016, Acta Physiologica, 2016,217 (Suppl. 708), Page: 67.

**B23.** Y. Yaylali, **E.** **Kilic-Toprak**, Y. Ekbic, Y. Ozdemir, V. Kucukatay, H. Senol, N. Dursunoglu, M. Bor-Kucukatay. ‘’[Increased Erythrocyte Aggregation And Decreased Erythrocyte Deformability In Patients With Pulmonary Arterial Hypertension](http://www.sciencedirect.com/science/article/pii/S073510971735307X).‘’, *American College of Cardiology’s 66th Annual Scientific Session,* Washington,Journal of the American College of Cardiology*,* Volume 69, Issue 11, Supplement, 21 March 2017, Page 1918.

**B24.** **E. Kilic-Toprak,** F. Unver, O. Kilic-Erkek, H. Korkmaz, Y. Ozdemır, B. Oymak, A. Oskay, M. Bor-Kucukatay. ‘’Time course of hemorheological alterations following an acute bout of isokinetic exercise in active male subjects.’’, *Joint Meeting of the Federation of European Physiological Societies and the Austrian Physiological Society with Participation of the Czech*, French, Italian, Slovak, Slovenian, Swiss and Turkish Physiological Societies, Vienna, Austria, September 13th-15th, 2017. Acta Physiologica, 2017, Vol 221 (Suppl. 713), Page: 144.

**B25.** F.Unver, **E.** **Kilic-Toprak,** O. Kilic-Erkek, H. Korkmaz, Y. Ozdemır, B. Oymak, A. Oskay, M. Bor-Kucukatay. ‘’Hemorheological Alterations Following an Acute Bout of Nordic Hamstring Exercise in Active Male Subjects.’’, *Joint Meeting of the Federation of European Physiological Societies and the Austrian Physiological Society with Participation of the Czech*, French, Italian, Slovak, Slovenian, Swiss and Turkish Physiological Societies, Vienna, Austria, September 13th-15th, 2017. Acta Physiologica, 2017, Vol 221 (Suppl. 713), Page: 145.

**B26.** **Kılıç-Toprak E.,** Y. Özdemir, Ö. Kılıç-Erkek, E.B. Tuzcu, İ. Türkçüer, Melek Bor-Küçükatay, “Pamukkale Üniversitesi Futbol ve Hentbol sporcularının vücut kompozisyonu ve bazal metabolizma hızlarının karşılaştırılması” 1st International Congress of Physical Education, Sport, Recreation and Dance, İstanbul, Turkey, 26-28 April, 2018.

**B27.** Özdemir Y., Ö. Kılıç-Erkek, **E. Kılıç-Toprak**, E.B. Tuzcu, İ. Türkçüer, Melek Bor-Küçükatay, “Pamukkale Üniversitesi Bayan Futsal takımı spocularının bazal metabolizma hızı ve vücut kompozisyonunun değerlendirilmesi” 1st International Congress of Physical Education, Sport, Recreation and Dance, İstanbul, Turkey, 26-28 April, 2018.

**B28. E. Kilic-Toprak**, T. Sengoz, O. Yaylalı, O. Kilic-Erkek, Y. Ozdemir, B. Oymak, H. Senol, D. Yuksel, V. Kucukatay, M. Bor-Kucukatay.’’ I-131 ablation / metastasis treatment may lead protective effects on lymphocyte DNA by activating repair mechanisms in patients with differentiated thyroid cancer’’ Europhysiology 2018, London, UK, 14-16 September 2018, PCB217, Page 403P.

**B29**. T. Sengoz, **E. Kilic-Toprak**, O. Yaylali, O. Kilic-Erkek, Y. Ozdemir, B. Oymak, H. Senol, D. Yuksel, V. Kucukatay and M. Bor-Kucukatay. ‘’ Dose-Dependent Hemorheological Impairment in Patients with Differentiated Thyroid Cancer Following I-131 Ablation /Metastasis Treatment’’. Europhysiology 2018, London, UK, 14-16 September 2018, PCB216, Page 403P.

**B30. E. Kilic-Toprak,** Y. Yaylali, Y. Ozdemir, V. Kucukatay, H. Senol and M. Bor-Kucukatay.’’Increased DNA damage with comet assay in patients with pulmonary hypertension.’’ Europhysiology 2018, London, UK, 14-16 September 2018, PCB008, Page 297P.

**B31**. **E. Kilic-Toprak**, I. Toprak, V. Yaylali, Y. Ozdemir,B. Oymak, M. Bor-Kucukatay and V. Kucukatay. ‘’Increased systemic oxidative stress index and DNA damage in patients with age-related macular degeneration.’’Europhysiology 2018, London, UK, 14-16 September 2018, PCB061, Page 325P.

**B32.** **E. Kilic-Toprak.** ‘’Amerikan futbolcuları, futbolcular ve sedanter bireylerin segmental vücut kompozisyon analizleri ve bazal metabolizma hızlarının karşılaştırılması.’’16. Uluslararası Spor Bilimleri Kongresi, 31.10.2018-03.11.2018, Antalya, SB462, Page 550-551.

**B33.** **E. Kilic-Toprak,** F. Unver. ‘’The Effects of Whole-Body Vibration Exercise on Hemorheological and Oxidative Stress Parameters’’. 5th International Conference of Physical Education and Sports Science, 4-6 December 2018, Nevşehir, OP36, Page 116-120.

**B34. E. Kilic-Toprak**, T. Sengoz, O. Yaylalı, O. Kilic-Erkek, Y. Ozdemir, B. Oymak, H. Senol, M. Bor-Kucukatay, V. Kucukatay, D. Yuksel ‘’Effects of I-131 ablation/metastasis treatment on DNA damage parameters in patients with differentiated thyroid cancer’’. Annual Congress of [European Association of Nuclear Medicine, EP0745, October 13-17 2018, Düsseldorf, Germany,](https://www.eanm.org/) European Journal Of Nuclear Medıcıne And Molecular Imagıng, 45 (suppl 1), page 599. ISSN: 1619-7070

**B35.** T. Sengoz, **E. Kilic-Toprak**, O. Yaylali, O. Kilic-Erkek, Y. Ozdemir, B. Oymak, H. Senol, D. Yuksel, V. Kucukatay and M. Bor-Kucukatay. ‘’ Dose-Dependent Hemorheological Impairment in Patients with Differentiated Thyroid Cancer Following I-131 Ablation /Metastasis Treatment’’. Annual Congress of  [European Association of Nuclear Medicine, EP0756, October 13-17 2018, Düsseldorf, Germany,](https://www.eanm.org/) European Journal Of Nuclear Medıcıne And Molecular Imagıng, 45 (suppl 1), page 603.

**B36.** H. C. Ozdamar, O. Kilic-Erkek, H. E. Akkaya, **E. Kilic-Toprak,** M. Bor-Kucukatay. ‘‘Investigation of the Effects of 10-Week Nordic Hamstring Exercise Training and Subsequent Detraining on Plasma Viscosity and Oxidative Stress Levels in Healthy Young Men’’. ’ICEIMISM 2020: 22nd International Conference on Exercise-Induced Muscle Injury to Skeletal Muscle, Apr 23-24, 2020 in New York, USA, abstract book, page 1528.

**D. Articles published in national peer-reviewed journals**

**D1. Emine Kılıç-Toprak**, Fatma Ünver-Koçak, Gülten Erken, Melek Bor-Küçükatay. ‘’The Effects of Stretching Training on Erythrocyte Rheological Properties and Anaerobic Performance in Healthy Young Males.’’ *Pamukkale Tıp Dergisi* 2015; 8(3): 205-212. doi:[10.5505/ptd.2015.37084](http://dx.doi.org/10.5505/ptd.2015.37084).

**D2.** **Emine Kılıç-Toprak**, Fatma Ünver, Özgen Kılıç-Erkek, Halil Korkmaz, Burak Oymak, Yasin Özdemir, Alten Oskay, Vural Küçükatay, Melek Bor-Küçükatay. ’’Aktif erkek bireylerde tek seans uygulanan izokinetik egzersizin DNA hasarı üzerine etkilerinin incelenmesi’’. *Pamukkale Tıp Dergisi* *2019;12(1):33-40*. doi: 10.31362/patd.463518.

**D3. Emine Kılıç Toprak**, İbrahim Toprak, Volkan Yaylalı, Yasin Özdemir, Burak Oymak, Melek Bor Küçükatay, Vural Küçükatay. ‘’Increased Systemic Oxidative Stress and DNA Damage in Patients with Exudative Age-Related Macular Degeneration’’. *Süleyman Demirel Üniversitesi Sağlık Bilimleri Dergisi* 2019;10(3):273-277. DOI: 10.22312/sdusbed.553227.

**D4. Emine Kılıç-Toprak,** Yalın Tolga Yaylalı, Yasin Özdemir, Vural Küçükatay, Hande Şenol, Melek Bor-Küçükatay. ‘’[Pulmoner hipertansiyonlu hastalarda comet analizi ile değerlendirilen artmış DNA hasarı](https://dergipark.org.tr/tr/pub/patd/issue/48923/557153)’’. *Pamukkale Tıp Dergisi* *2019;12(3):415-421*. doi:https://dx.doi.org/10.31362/patd.557153.

**D5.** Fatma Ünver, **Emine Kılıç Toprak**, Bilal Utku Alemdaroğlu, Özgen Kılıç Erkek, Yasin Özdemir, Burak Oymak, Vural Küçükatay, Ahmet Baki Yağcı, Melek Bor Küçükatay. ‘’A bout of upper body wingate anaerobic power and capacity test alters blood rheology in untrained individuals.’’ *Pamukkale Tıp Dergisi* *2020;13(2):248-256*. *doi:https://dx.doi.org/10.31362/patd.615270*

**H index:** 6

**Projects:**

1. Genç, Sağlıklı Erkek Bireylerde İlerleyici Direnç Egzersizlerinin Hemoreolojik Parametreler Üzerine Etkisi, Pamukkale University Scientific Research Project,2009SBE005,2009.
2. Koroner Yavaş Akımlı Hastaların Hemoreolojik Parametrelerinin Değerlendirilmesi, Pamukkale University Scientific Research Project,2010TPF020,2010.
3. Nutrisyonel vitamin B12 eksikliği olan çocuklarda tanı ve izlemde hemoreolojik parametrelerin incelenmesi, Pamukkale University Scientific Research Project, 2012TPF001**,** 2012.
4. Spontan Hipertansif Ratlarda Egzersiz ve Onu İzleyen Egzersizi Bırakma Bırakma (Detraining) Sürecinin Kan Basıncı Nitrik Oksit Sentaz Hem Oksijanaz Nitrik Oksit ve Karbon Monoksit Düzeyleri Üzerine Etkisi, Pamukkale University Scientific Research Project, 2012ARŞ002**,** 2012.
5. Spontan Hipertansif Sıçanlarda Egzersiz ve Onu İzleyen Egzersizi Bırakma (Detraining) Sürecinin Nitrik Oksit ve Karbon Monoksit Düzeyleri ve Sentezlerinde Rol Oynayan Genlerin Ekspresyonları Üzerine Etkisinin Belirlenmesi, Pamukkale University Scientific Research Project, 2013SBE002, 2013
6. Spontan Hipertansif Sıçanlarda Egzersiz ve Onu İzleyen Egzersizi Bırakma (Detraining) Sürecinin Hemoreolojik Parametreler Üzerine Etkisi, Pamukkale University Scientific Research Project, 2013SBE003**,** 2013.
7. Subklinik Hipotiroidili çocuklarda hemoreolojik parametrelerin araştırılması ve karotis intima-media kalınlığı ile ilişkisinin incelenmesi. Pamukkale University Scientific Research Project, 2014HZL002,2014.
8. Spontan hipertansif sıçanlarda egzersiz ve egzersizi bırakma (detraining) süreçlerinin oksidatif stres üzerine oluşturduğu yanıt. Pamukkale University Scientific Research Project, 2015HZL010,2015.
9. Tekrarlı sprint ve wingate anaerobik güç ve kapasite testine (WAnT) verilen performans, fizyolojik ve zamana bağlı hemoreolojik cevapların incelenmesi Pamukkale University Scientific Research Project, 2015HZL012,2015.
10. Spor Fizyolojisi Laboratuvarı Altyapı Oluşturulması Projesi. Pamukkale University Scientific Research Project, 2015KRM006**,** 2015
11. Kardiyak sendrom X hastalarında hemoreolojik yanıtlar ve bunların oksidatif stresle ilişkisi. Pamukkale University Scientific Research Project, 2015HZL019,2015.
12. İdyopatik interstisyel pnömonili olgularda hemoreolojik parametrelerin ve oksidatif stres yanıtlarının incelenmesi. Pamukkale University Scientific Research Project, 2015HZL016,2015.
13. Spontan Hipertansif Sıçanlarda Egzersiz ve Egzersizi Bırakma (Detraining) Süreçlerinin Aort Hem Oksijenaz 2 (HO-2) Protein Düzeyleri Üzerine Etkisi, Pamukkale University Scientific Research Project, 2016HZDP018, 2016.
14. Pulmoner Hipertansiyonlu hastalarda hemoreolojik parametrelerin, oksidatif stres yanıtlarının ve Periferik DNA Hasarının Araştırılması, Pamukkale University Scientific Research Project, 2016HZDP003**,** 2016.
15. Senil maküla dejenerasyonu tanılı hastalarda oksidatif stres yanıtlarının ve DNA Hasarının Araştırılması. Pamukkale University Scientific Research Project, 2016HZDP019, 2016.
16. Differansiye Tiroid Kanseri Tanılı Hastalara Uygulanan I-131 Ablasyon Metastaz Tedavisinin Hemoreolojik Parametrelere Oksidatif Strese ve DNA Hasarına Etkileri. Pamukkale University Scientific Research Project, 2017HZDP002, Yardımcı Araştırmacı, 2017.
17. Üst Ekstremitede Tek Seans Uygulanan Wingate Anaerobik Güç Ve Kapasite Testinin (WANT) Hemoreoloji, Oksidatif Stres Ve DNA Hasarı Yanıtları. Pamukkale University Scientific Research Project, 2017HZDP028, 2017.
18. Prediyabetik hastalarda sistemik oksidatif stres, DNA hasarı ve hemoreolojik parametreler ile korneal endotel ve retina değişikliklerinin incelenmesi. Pamukkale University Scientific Research Project, 2017HZDP042, 2018.
19. Pamukkale Üniversitesi Takım Sporcularının vücut kompozisyon analizi, bazal metabolizma hızı, VO2 maks, genel sağlık durumlarının değerlendirilmesi ve yıllar içindeki değişimlerinin incelenmesi. Pamukkale University Scientific Research Project, 2018KRM010, 2018.
20. Karvakrol'ün Adipositlerde İnflamasyon ve Endoplazmik Retikulum Stresi Üzerine Etkilerinin Araştırılması. P Pamukkale University Scientific Research Project, 2019BSP003, 2019.
21. Kilolu kadınlarda 4 haftalık tüm vücut titreşim egzersiz eğitiminin hemoreolojik parametrelere, oksidatif stres parametrelerine, DNA hasarına, irisin, rezistin ve visfatin seviyelerine etkilerinin incelenmesi. Pamukkale University Scientific Research Project, 2019HZDP015,2019.
22. Tip1 DM Tanılı Çocuk Hasta Grubunda Glisemik Değişkenliğin Hemoreolojik Parametreler, Oksidatif Stres ve DNA Hasarına Etkisi. Pamukkale University Scientific Research Project, 2019TIPF028,2019.
23. Adipositlerde İnflamasyon Aracılı Hücre Hasarının Membran Lipid Profili Üzerine Etkisinin Araştırılması. Pamukkale University Scientific Research Project, 2020HZDP005,2020
24. Kornea Endotel Hücrelerinde TGF-β ve İnhibitörlerinin Hücre Proliferasyonu ve Hücre Yaşlanması Üzerine Etkilerinin Araştırılması. Pamukkale University Scientific Research Project, 2020SABE026,2020.

**Awards:**

1. **Best Poster Award,** presented at the **American College of Cardiology’s 66th Annual Scientific Session & Expo**., ‘’Increased Erythrocyte Aggregation and Decreased Erythrocyte Deformability in Patients With Pulmonary Arterial Hypertension.’’**(17 -19 March 2017)**, **Washington DC, USA.**
2. **Poster Award,** **41. National Physiology Congress**“Subklinik Hipotiroidili Çocuklarda Hemoreolojik Parametrelerin Araştırılması ve Karotis İntima-Media Kalınlığı ile İlişkisinin İncelenmesi.”**(9-13 September 2015), Çanakkale.**
3. **Poster Award, Turkish Society 19th Year Congress** ‘’Increased erythrocyte aggregation and oxidative stress in patients with idiopathic interstitial pneumonia.*‘’***(6-10 April 2016), Antalya.**
4. **Poster Award,** presented at the **Europhysiology**.,‘’I-131 ablation/metastasis treatment may lead protective effects on lymphocyte DNA by activating repairmechanisms in patients with differentiated thyroid cancer.’’(**14-16 Semptember 2018), London, UK.**
5. **Poster Award, 44. National Physiology Congress**“Spontan Hipertansif Sıçanlarda Egzersiz ve Egzersizi Bırakma (Detraining) Süreçlerinin Böbrek Arilesteraz Enzim Aktivitesi Üzerine Olan Etkileri.”**(1-4 November 2018), Antalya, Port Nature Otel.**
6. **FEBS Short-Term Fellowship Award,** Federation of European Biochemical Societies (FEBS), **2019**

**Foreign language: English**

YÖKDİL- 17.03.2018- 77,5

**International experience:**

Miguel Hernandez University of Elche (Spain): Short term observership position in the field of "Research on bioactive compounds from plants. Applications in nutrition and sports sciences", **02.05.2019-26.07.2019**

**Orchid no:**

orcid.org/0000-0002-8795-0185