



CIRRICULUM VITAE

1. NAME/SURNAME: Denizhan KARIŞ
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E-MAIL: denizhan.karis@istinye.edu.tr
denizhankar@gmail.com

2. BIRTH DATE: 28.07.1976

3. ACADEMIC DEGREE: MD, PhD, Asst. Prof.

4. EDUCATION:

2002 Bachelor's degree from Uludag University, Faculty of Medicine

5. ACADEMIC RECORD:

01.02.2019 Asst. Prof.

28.08.2018 PhD degree from Istanbul University, Cerrahpasa Medical Faculty, Biophysics
Department

MSc THESIS:

PhD THESIS: The Investigation of Plasma Viscosity and Endothelial Dysfunction Markers
Between Patients Diagnosed with Essential Thrombocytosis and Reactive Thrombocytosis.

Supervisor: Prof. Dr. Alev Meltem ERCAN

ACADEMIC EXPERIENCE:

- 01.02.2019 – Present Asst. Prof.
Istinye University, Medical Faculty, Biophysics Department
- 11.02.2019 – 01.02.2019 Part-time Instructor
Bilim University, Faculty of Art and Science, Department of
Molecular Biology and Genetics - Turkish Section
Biophysics Lecture
- 12.10.2018 – 31.01.2019 Part-time Instructor
Istinye University, Medical Faculty - Biophysics Lecture, Turkish
Section
Istinye University Pharmacy Faculty - Physics and Biophysics
Lecture, Turkish and English Section

PROFESSIONAL EXPERIENCE:

- 10.06.2011 – 03.01.2018 Private Capa Hospital Emergency Room Practitioner
- 01.05.2008 – 01.06.2011 Kadir Has University Medico - Social Doctor
- 02.08.2007 – 01.05.2008 Private Istanbul Sehir Hospital Emergency Room Practitioner
- 15.12.2006 – 15.01.2007 Turkish Republic, Ministry of Health, Istanbul – Fatih – Uzun
Yusuf District Primary Health Care Center – General Practitioner
- 09.10.2003 – 15.12.2006 Turkish Republic, Ministry of Health, Zonguldak - Karaman
District Primary Health Care Center - General Practitioner

6. THESIS ADMINISTERED

6.1. MSc Thesis

6.2. PhD Thesis

7. PUBLICATIONS

7.1. ARTICLE PUBLISHED IN REFERRED INTERNATIONAL JOURNALS (SCI & SSCI & ARTS AND HUMANITIES)

1. Cihan H., Ateş F., **Karış D.**, Tunca M., Bozkurt N.C., Parkan Yaramış Ç., Bilgiç B., Or M. E., Comparison of Selected Levels of Serum Elements/Minerals in Obese Dogs, The Journal of the Hellenic Veterinary Medical Society [ahead of pubprint].
2. Erdem M.G., Unlu O., Ates F., **Karis D.**, Demirci M., Oral Microbiota Signatures in the Pathogenesis of Euthyroid Hashimoto's Thyroiditis, *Biomedicines*, 11(4):1012 (2023) DOI: 10.3390/biomedicines11041012.
3. Ozkan Tekin T., **Karis D.**, Ates Alkan F., Cetin G., Ercan A.M., Evaluation of Trace Elements in Essential Thrombocytosis and Reactive Thrombocytosis. *Journal of Trace Elements in Medicine and Biology*, 73:127034 (2022) DOI: 10.1016/j.jtemb.2022.127034.
4. Canacik O., Sabirli R., Altintas E., Karsli E., **Karis D.**, Kaymaz B., Tukenmez Sabirli G., Kurt O., Koseler A., Annexin A1 as a Potential Prognostic Biomarker for COVID-19 Disease: Case-Control Study, *International Journal of Clinical Practice*, (2021). DOI: <https://doi.org/10.1111/ijcp.14606>. Epub ahead of print.
5. **Karis D.**, Tarhan D., Boyacioglu K., Koksall C., Ercan A.M., The comparison of zinc, copper and iron levels in serum, aorta and left internal mammary artery tissues in coronary by-pass graft surgery patients, *Journal of Trace Elements in Medicine and Biology*, 51: 86-90 (2019). DOI: 10.1016/j.jtemb.2018.10.003.
6. Ates Alkan F., **Karis D.**, Cakmak G., Ercan A.M., Analysis of the relationship between hemorheologic parameters, aluminum, manganese, and selenium in smokers, *Biological Trace Element Research*, 187(1):22–31 (2019). DOI: 10.1007/s12011-018-1352-8.
7. Duzgun Ergun D., **Karis D.**, Ates Alkan F., Cakmak G., Yenigun M., Ercan M., Effects of cigarette smoking on hemorheologic parameters, plasma osmolality and lung function,

Clinical Hemorheology and Microcirculation, 63(4): 313-324 (2016). DOI: 10.3233/CH-152018.

8. Ates Alkan F., Cakmak G., **Karis D.**, Saglam Z.A., Saler T., Temiz L.U., Yenigun M., Ercan M., The evaluation of plasma viscosity and endothelial dysfunction in smoking individuals, Clinical Hemorheology Microcirculation, 58: 403–413 (2014). DOI: 10.3233/CH-131706.

7.2 ARTICLES PUBLISHED IN OTHER INTERNATIONAL JOURNALS (NOT INDEXED IN SCI, SSCI OR AHCI)

1. **Karis D.**, Hemodynamic and Hemorheological Features of Cochlear Microcirculation, Yeni Yuzyil Journal of Medical Sciences, Special Issue 1: 27-36 (2022), DOI: 10.46629/JMS.2022.72.
2. Tarhan D., Tok O., **Karis D.**, Ercan M.E., The effects of vitamin D and microfracture surgery technique on calcium and phosphorus: a pilot study, International Journal of Medical Biochemistry, 3(1): 19-23 (2020). DOI: 10.14744/ijmb.2019.38258.
3. Sipahioglu N.T., **Karis D.**, Uzun H., Sipahioglu F., Ercan S., Ercan A.M., The effects of ezetimibe on plasma viscosity and fibrinolytic activity, Medical Science and Discovery, 2(6): 339-344 (2015). DOI: 10.17546/msd.58298.
4. Ates Alkan F., Koksali M.E., Duzgun Ergun D., **Karis D.**, Pastaci Ozsobaci N., Barutcu U.B., Element intoxication by marine food, Medical Science and Discovery, 2(2): 176-181 (2015). DOI: 10.17546/msd.11732.
5. Gul R., **Karis D.**, Meyanci Koksali G., Sayilgan C., Bolayirli M., Oz H., **Ercan M.**, Effects of sevoflurane and desflurane on the blood and plasma viscosity, Medical Science and Discovery. Vol 2, No:2, p: 165-171 (2015). DOI: 10.17546/msd.3601.
6. Cakmak G., Ates Alkan F., Korkmaz K., Aydan Saglam Z., **Karis D.**, Yenigun M. and Ercan M., Blood viscosity as a forgotten factor and its effect on pulmonary flow, Translational Respiratory Medicine, 1(3): 1-5 (2013). DOI: 10.1186/2213-0802-1-3.

7.3. PAPERS ORALLY PRESENTED AT INTERNATIONAL CONFERENCES AND PUBLISHED IN THE PROCEEDINGS

1. **Karis D.**, Cakmak G., Ercan A.M., Ates F., “The Relationship of Serum Zinc and Copper with Nitric Oxide and Asymmetric Dimethylarginine in Smokers”, 4th International-33rd

- National Turkish Biophysics Congress, Adiyaman, Turkey, 31 August - 03 September 2022, (Abstract Book, pp 74). e-ISSN: 2458-8989.
2. Ates Alkan F., **Karis D.**, Cihan H., Bozkurt N. C., Parkan Yaramis C., Or M. E., “Analysis of Serum Manganese and Silicium in Obese Dogs”, 6th International Mardin Artuklu Scientific Researches Conference, Hilton Garden Inn, Mardin, Turkey, 25 – 27 June 2021, (Abstract Book, pp 152-153). ISBN: 978-625-7898-46-1.
 3. **Karis D.**, “The Basis of Clinical Alterations in Respiratory System Due to COVID-19 Virus From An Aspect of Biophysics”, II. International COVID-19 and Current Issues Congress, Online, 01 – 02 May 2021, (Abstract Book, pp 130-131). ISBN: 978-605-74582-5-4.
 4. **Karis D.**, “The Basis of Clinical Alterations in Respiratory System Due to COVID-19 Virus From An Aspect of Biophysics”, 4th International Conference on COVID-19 Studies, Online, Istanbul, Turkey, 17 – 19 April 2021, (Abstract Book, pp 737). ISBN: 978-625-7720-35-9.
 5. **Karis D.**, Ates Alkan F., Cakmak G., Ercan A.M., “Effects of Smoking on Serum Nickel and Boron Levels”, Turkish Physical Society 36th International Physics Congress, Kadir Has University, Istanbul, Turkey, 01 - 05 September 2020, (Abstract Book, 08OP3, pp 134).
 6. **Karis D.**, “The Effects of Covid-19 on Cardiovascular System and Hemorheologic Parameters”, 2nd International Conference on COVID-19 Studies, Institute of Economic Development & Social Researches, Paris, 26 – 27 August 2020, (Abstract Book, pp 136, ISBN: 978-625-7139-23-6).
 7. **Karis D.**, “The Crucial Role of Oxidative Stress in COVID-19”, COVID-19 Symposium Online-International-Multidisciplinary, 26 – 28 June 2020, (Journal of Biotechnology and Strategic Health Research, 2020, Abstract Book, S-01, pp 16, e-ISSN 2587-1641).
 8. **Karis D.**, Sabirli R., Tarhan D., Koseler A., Turkcuer I., Ercan M.E., “Analysis of Serum Magnesium and Manganese in Patients with Heart Failure”, Izmir Demokrasi University International Congress of Health Sciences “On-line” (ICHES-IDU 2020), 20 – 21 June 2020, (Abstract Book, S-41, pp 481-482, ISBN: 978-605-69933-6-7).
 9. **Karis D.**, “Possible Effects of Sedentary Life at Home on Circulatory and Pulmonary Dynamics in COVID-19 Pandemic”, Online International Conference of COVID-19

(CONCOVID), 12 - 14 June 2020, (Abstract Book-Health Sciences, pp 135-136, ISBN: 978-605-7858-31-3).

10. Ozkan Tekin T., **Karis D.**, Ates Alkan F., Cetin G., Ercan A.M., “Evaluation of Trace Elements in Essential Thrombocytosis and Reactive Thrombocytosis”, INSAC Natural and Health Sciences (INHS-2020), 22 – 23 May 2020, (Abstract Book-Oral Presentations, pp 54, ISBN: 978-625-7884-36-5).
11. **Karış D.**, Tarhan D., Tok O., ErcanA.M., “The Effects of Vitamin D and Microfracture Surgery Technique on Plasma Viscosity”, Turkish Physical Society 35th International Physics Congress, Herodot Cultural Center, Bodrum, Turkey, 04 – 08 September 2019 (Abstract Book-08OP25, pp 278, ISBN: 978-605-83516-5-3).
12. **Karis D.**, Tarhan D., Boyacioglu K., Koksal C., “The Relationship of Zn, Cu, Fe Levels Between Serum, Aorta and Left Internal Mammary Artery in Atherosclerosis”, Journal of Trace Elements in Medicine and Biology, 16th International Symposium of Trace Elements in Man and Animals, St. Petersburg, Russia, 25 - 29 June 2017 Oral Presentations (Abstract Book-41S1; O-3-018, pp 23).
13. Tarhan D., Tok O., **Karis D.**, Ercan A.M., “The Effects of Vitamin D and Surgical Stress on Ca and P”, Journal of Trace Elements in Medicine and Biology, 16th International Symposium of Trace Elements in Man and Animals, St. Petersburg, Russia, 25 -29 June 2017 Oral Presentations (Abstract Book-41S1; P-057, pp 51).
14. Ates Alkan F., **Karis D.**, Cakmak G., Ercan A.M., “The Effects of Smoking on Manganese, Selenium and Hemorheological Parameters”, Journal of Cellular Neuroscience and Oxidative Stress, 6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2016, Oral Presentations (Abstract Book; OP-3, pp 48).

7.4. PAPERS PRESENTED AT INTERNATIONAL CONFERENCES AND PUBLISHED IN THE PROCEEDINGS

1. **Karis D.**, Özkan Tekin T., Ateş Alkan F., Çetin G., Ercan A.M., “Analysis of Calcium, Phosphorus and Arsenic in Essential Thrombocytosis”, International Conference of Trace Elements and Minerals (ICTEM), Online Meeting of 36th GMS, 7th ISZB, TEMA17 and 13th ISTERH, Aachen, Germany, 02 – 06 August 2021, (Abstract Book, D2 P22, pp 78).

2. Destanoglu L., Oter B., Tengirsek E., Yalcin T., Bilgin S., Nafisi S., **Karis D.**, Olgun A., “The Effect of Direct Electric Current on Motion Behaviour in a Transgenic β -Amyloid Model of *Caenorhabditis elegans*: An In-vivo Study”, Turkish Neuroendocrinology Society 4th International Congress of Turkish Neuroendocrinology Society, Yeditepe University, Istanbul, Turkey, 26 -28 November 2020, (4th TNED Congress) (Abstract Book, PC-19, pp 63-64).
3. **Karis D.**, Ozkan Tekin T., Cetin G., Ercan A.M., “The Investigation of Plasma Viscosity and Endothelial Dysfunction Markers Between Patients Diagnosed with Essential Thrombocytosis and Reactive Thrombocytosis”, Xth Eurasian Hematology Oncology Congress, Istanbul, Turkey, 8 – 11 October 2019, Leukemia Research Clinical and Laboratory Studies Supplement, 85: S1–S88, Abstract Book; PP-28, pp 550). DOI: 10.1016/S0145-2126(19)30323-6
4. Ercan A.M., **Karis D.** , Tarhan D., Boyacioglu K., Koksall C., “The Relationship Between Zinc and Copper Levels of Aorta/Left Internal Mammary Artery and Oxidative Stress in Atherosclerosis”, Journal of Trace Elements in Medicine and Biology, 16th International Symposium of Trace Elements in Man and Animals, St. Petersburg, Russia, 25 -29 June 2017 Poster Presentations (Abstract Book; P-066, pp 54).
5. Ates Alkan F., **Karis D.**, Cakmak G., Ercan A.M., “Effects of Smoking on Zinc, Plasma Viscosity, Plasma Osmolality and Red Blood Cell Deformability”, 16th International Symposium of Trace Elements in Man and Animals, St. Petersburg, Russia, 25 - 29 June 2017 Poster Presentations (Abstract Book; P-138, pp 72).
6. Sevim Calik E., Basat S., Ercan A.M., Pehlivan O., **Karis D.**, Ersoy D., Sivritepe R., “Relationship of Plasma Viscosity with Antibody Titers and Complications in Patients with Antiphospholipid Syndrome”, 15th International Congress on Antiphospholipid Antibodies, Girne, North Cyprus, 21 - 24 September 2016, Poster Presentations (Abstract Book; PP-002, pp 18).
7. **Karis D.**, Ates Alkan F., Cakmak G., Ercan A.M., “The Relationship Between Antioxidant Capacity and Serum Copper and Zinc Levels in Smoking Individuals”, Journal of Cellular Neuroscience and Oxidative Stress, 6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2016, Poster Presentations (Abstract Book; P-89, pp 123).

7.5. INTERNATIONAL BOOKS AND BOOK CHAPTERS

1. **Karış D.**, Hemoreolojik Ölçüm Yöntemlerine Güncel Yaklaşımlar, In Özlü C., Köylüoğlu N., Gedik M.A., Yangal H.S., Özlü A., Editors. *Sağlıkta Yeni Trendler*. Ankara: Akademisyen Bookstore Corporation, 1. Press; 2021. s661-679. ISBN: 978-625-7409-544. DOI: 10.37609/akya.450.
2. **Karış D.**, Obezite ve Eser Elementler, In Özyiğit F., Editor. *Obeziteye Multidisipliner Bakış*. Ankara: Akademisyen Bookstore Corporation, 1. Press; 2021. s119-132. ISBN: 978-625-7409-08-7. DOI: 10.37609/akya.131.
3. **Karış D.**, Hipertansiyonua Biyofiziksel Yaklaşım: Hemodinaminin ve Hemoreolojinin Fizyolojik ve Patolojik Önemi, In Özyiğit F., Editör. *Hipertansiyona Multidisipliner Yaklaşım*. Ankara: Akademisyen Bookstore Corporation, 1. Press; 2020. s1-16. ISBN: 978-625-727-507-1.

7.6. ARTICLES PUBLISHED IN REFERRED NATIONAL JOURNALS

1. Karılı E., Sabırlı R., Gören T., Kemancı A., **Karış D.**, Türkçüer İ., Kurt Ö., Bertrand P., Koseler A. Evaluation of the Relationship Between Surfactant Protein D Levels and COVID-19 Clinical Severity: A Case-control Study, Pamukkale Medical Journal, 16(1): 137-147 (2023). DOI: 10.31362/patd.1159512.
2. **Karis D.**, Anbarlı Metin D., Ercan Coskun F.F., Koseler A. Biophysical Overview of Covid-19 Infection, Kafkas Journal of Medical Sciences, 11(3):425–428 (2021). DOI: 10.5505/kjms.2021.69783.
3. Ateş Alkan F., **Karış D.**, Çakmak G., Ercan A.M.. Analysis of serum nickel, silicium, arsenic and boron in smoking individuals. Osmangazi Journal of Medicine, 43(4): 374-381 (2021). DOI: 10.20515/otd.886366.

7.7. PAPERS ORALLY PRESENTED AT NATIONAL CONFERENCES AND PUBLISHED IN PROCEEDINGS

1. **Karış D.**, Özkan Tekin T., Çetin G., Ercan A.M., “Investigation of the Relationship Between Endothelial Damage Markers in Patients with Essential Thrombocytosis”, Turkish Biophysics Society, 32. National Biophysics Congress, Online, 17 – 19 November 2021 (Oral Presentation, Abstract Book; S-10, s32).

2. Ateş Alkan F., Özkan Tekin T., **Karış D.**, Çetin G., Ercan A.M., “Analysis of Serum Calcium, Phosphorus and Arsenic in Patients with Essential Thrombocytosis”, Turkish Biophysics Society, 32. National Biophysics Congress, Online, 17 – 19 November 2021 (Oral Presentation, Abstract Book; S-14,s36).
3. **Karış D.**, “Features of Cochlear Micro-circulation”, Yeni Yüzyıl University, Virtual Otology and Odiology Congress, Yeni Yüzyıl University, Istanbul, 08 – 09 May 2021 (Oral Presentation, Abstract Book;....).
4. **Karış D.**, “The Importance of Trace Elements for Angiogenesis in Stem Cells and Tissue Engineering”, Istinye University Stem Cell and Tissue Engineering Symposium (International Participation, Istinye University, Istanbul, Turkey, 27 – 28 February 2021 (Oral Presentation, Abstract Book; SB-17, pp 45-46). ISBN: 978-605-74924-7-0.
5. **Karış D.**, Tekin Özkan T., Çetin G., Ercan A.M., “The Investigation of Relationship Between Blood Viscosity and Coagulation Tests in Essential and Reactive Thrombocytosis”, Turkish Biophysics Society, 31. National Biophysics Congress, Çukurova University Mithat Özsan Lecture Hall, Adana, 09 – 12 October 2019 (Oral Presentation, Abstract Book; OP-27, pp 35).
6. **Karış D.**, Tekin Özkan T., Çetin G., Ercan A.M., “The Investigation of Blood Viscosity and Plasma Viscosity at Different Shear Rates in Essential and Reactive Thrombocytosis”, Turkey Family Practitioners Foundation, 13. Istanbul Family Practitioner Congress, Istinye University Topkapı Campus, Istanbul, 21 – 22 June 2019 (Oral Presentation, Abstract Book; OP-19, pp 38-39).
7. Tarhan D., Tok O., **Karis D.**, Ercan A.M., “The Effects of Vitamin D on Calcium and Phosphorus in Rabbits with Articular Cartilage Defect”, Turkish Biophysics Society, 28. – 29. National Biophysics Congress, Acıbadem Mehmet Ali Aydınlar University, Istanbul, 06 – 09 September 2017 (Oral Presentation, Abstract Book; OP-17, pp 68).

7.8. PAPERS PRESENTED AT NATIONAL CONFERENCES AND PUBLISHED IN PROCEEDINGS

1. **Karis D.**, Ozkan T., Cetin G., Ercan A.M., “The Investigation of Hemorheologic Markers and Tissue Oxygenation in Essential and Reactive Thrombocytosis”, Turkish Biophysics Society, 28. – 29. National Biophysics Congress, Acıbadem Mehmet Ali Aydınlar University, Istanbul, 06 – 09 September 2017 (Abstract Book; PP-13, pp 104).

2. Ates Alkan F., **Karış D.**, Cakmak G., Yenigun M., Ercan A.M., “The Evaluation of the Relationship Between Blood Rheology and Aluminium - Silicium in Smoking”, Turkish Biophysics Society, 28. – 29. National Biophysics Congress, Acıbadem Mehmet Ali Aydınlar University, Istanbul, 06 – 09 September 2017 (Abstract Book: PP-36, pp 127).
3. **Karis D.**, Boyacioglu K., Koksall C., Konukoglu D., Ercan A.M., “The Relationship Between Zinc – Copper Levels of Aorta/LIMA Tissue and Oxidative Stress in Atherosclerosis”, Turkish Biochemistry Society, Sivas Biochemistry Days, Sivas Cumhuriyet University, Sivas, 02 - 05 November 2016 (Abstract Book; Referans No: B-061, P-032, pp 140).
4. Ates Alkan F., **Karis D.**, Dokuzeylul B., Or M.E., Barutcu U.B., “Levels of Trace Elements in Serum and Wool Samples of Sheep in KIRKLARELİ - KOFÇAZ”, Turkish Biophysical Society 27. National Biophysics Congress, Inonu University, Malatya, 29 September - 03 October 2015 (Abstract Book; P-67, pp 207-208).
5. Ozturk Kurt B., Kocamaz O., **Karis D.**, Goçer S., Koksall C., Ercan A.M., “Evaluation of Plasma Viscosity in Biomechanical Changes of Degenerative Aortic Valve Stenosis”, Turkish Biophysical Society 27. National Biophysics Congress, Inonu University, Malatya, 29 September - 03 October 2015 (Abstract Book; P-19, pp 108-109).
6. Duzgun Ergun D., **Karis D.**, Cakmak G., Ercan A.M., Dursun S., “Effects of Smoking on Hemorheologic Parameters, Osmolality and Lung Function”, Turkish Biophysical Society 27. National Biophysics Congress, Inonu University, Malatya, 29 September - 03 October 2015 (Abstract Book; P-14, pp 99-100).
7. **Karis D.**, Gocer S., Ozturk Kurt B., Koksall C., Ercan A.M., “Biomechanical and Hemorheological Approach to Ascending Aort Aneurysm”, Turkish Biophysical Society 27. National Biophysics Congress, Inonu University, Malatya, 29 September - 03 October 2015 (Abstract Book; P-6, pp 83-84).
8. Ates Alkan F., Koksall M.E., Duzgun Ergun D., **Karis D.**, Pastaci Ozsobaci N., Barutcu U.B., “Case Report: Element Intoxication by Marine Food”, Turkish Biophysical Society 26. National Biophysics Congress, Gaziosmanpasa University, Tokat, 09 - 12 September 2014 (Abstract Book; P-26, pp 62-63).

9. Pastaci N., Kayar A., Ugurlu H., Ulgen S., **Karis D.**, Bayrakal A., Dokuzeylul B., Yildiz K., Or M.E., Barutcu, U.B., “Trace Element Levels in Tarentula Cubensis Extract (Theranekron®) Applied Cattle”, Turkish Biophysical Society 26. National Biophysics Congress, Gaziosmanpasa University, Tokat, 09 - 12 September 2014 (Abstract Book; P-26, pp 61-62).
10. Ozturk B., Ozdemir S., **Karis D.**, Ercan M., “The Effect of Aluminium in Drinking Water on Oxidative System in Rats”, Turkish Biophysical Society 25. National Biophysics Congress, Karadeniz Technical University, Trabzon, 24 - 27 September 2013 (Abstract Book; P-65, pp 108).
11. Ercan M., Ates Alkan F., **Karis D.**, Cakmak G., Yenigun M., “The Effect of Smoking on Blood Viscosity and Pulmonary Blood Flow”, Turkish Biophysical Society 25. National Biophysics Congress, Karadeniz Technical University, Trabzon, 24 - 27 September 2013 (Abstract Book; P-46, pp 89).
12. Ates Alkan F., **Karis D.**, Cakmak G., Ercan M., “Plasma Viscosity As An Endothelial Damage Marker in Smokers”, Turkish Biophysical Society 24. National Biophysics Congress, Marmara University, Istanbul, 25 - 28 September 2012 (Abstract Book; pp 73).
13. Ozturk B., **Karis D.**, Ercan M., Ozdemir S., “The Effect of Aluminium Chloride on Hemorheological Parameters in Rats”, Turkish Biophysical Society 24. National Biophysics Congress, Marmara University, Istanbul, 25 - 28 September 2012 (Abstract Book; pp 58).

7.9. NATIONAL BOOKS AND BOOK CHAPTERS

1. Ercan A.M., Karış D., Kardiyovasküler Hastalıklar Açısından Hemoreolojinin Önemi In Polat A., Akay H.T., Köksal C., Bozkurt A.K., Editors. *Damar*. Istanbul: Bayçınar Publications, 1. Press; 2019. pp 33-62. ISBN: 978-605-69205-1-6.

7.10. OTHER PUBLICATIONS

8. SCIENTIFIC PROJECTS (NATIONAL AND INTERNATIONAL) (REPUBLIC OF TURKEY-MINISTRY OF DEVELOPMENT, TUBITAK, EU, ETC.)

- 1. Beykent University Scientific Research Foundation**, “The Relationship of Oral Microbiota with Trace and Toxic Elements in Patients with Hashimoto's Thyroiditis”, Project Nr: 2021-2022-BAP-02 (Ongoing).
- 2. Istanbul University Scientific Research Foundation**, “The Analysis of the Relationship Between Plasma Viscosity and Endothelial Markers in Patients with Essential Thrombocytosis and Reactive Thrombocytosis”, Project Nr: 48536 (Finished).
- 3. Istanbul University Scientific Research Foundation**, “The Evaluation of Blood Rheology and Aluminum Silicium Relationship in Smoking”, Project Nr: BEK-2017-26480 (Finished).
- 4. Istanbul University Scientific Research Foundation**, “The Relationship Between Zinc and Copper Levels of Aorta/ Left Internal Mammary Artery and Oxidative Stress in Atherosclerosis”, “The relationship between zinc and copper levels of aorta/left internal mammary artery and oxidative stress in atherosclerosis”, Project Nr: BEK-2017-24769 (Finished).
- 5. Istanbul University Scientific Research Foundation**, “The Effects of Smoking on Manganese, Selenium and Hemorheological Parameters”, Project Nr: BEK-2016-21092 (Finished).

9. ADMINISTRATIVE DUTIES

09.09.2021 – Present	Istinye University Medical Faculty, Grade III-Turkish Section, Assistant Coordinator
11.08.2021 – Present	Istinye University Neurologic Sciences Research and Application Center Board Membership
28.12.2020 – Present	Istinye University Teaching and Learning Center of Excellence (TLCE), Delegate for Medical Faculty
09.09.2020 – Present	Istinye University Medical Faculty, Grade III-English Section, Assistant Coordinator

25.03.2020 – Present	Istinye University Ethics Board for Clinical Research Membership (Member Responsible for Declarations)
11.02.2020 – Present	Istinye University Medical Faculty Schedule Development and Evaluation Committee Membership
10.12.2019 – Present	Istinye University Medical Faculty Clinical Skills Committee Membership
19.11.2019 – Present	Istinye University Medical Faculty Undergraduate Transfer Committee Membership
15.09.2019 – 09.09.2020	Istinye University Medical Faculty Grade II-English Section Term Co-ordinator
20.08.2019 – Present	Istinye University Medical Faculty, Head of the Department of Biophysics
09.10.2003 – 15.12.2006	Turkish Republic, Ministry of Health, Zonguldak-Karaman District Primary Health Care Center - Head Practitioner

10. SCIENTIFIC AND PROFESIONAL MEMBERSHIP

Istanbul Medical Chamber
Turkish Biophysical Society
Turkish Physical Society

11. AWARDS

1. Istinye University 2022 Publication Incentive Certificate, 08.03.2023, Istinye University, Istanbul.

12. COURSES TAUGHT (UNDERGRADUATE and POSTGRADUATE)

Under-Graduate Lectures

Academic Year	Term	University Name	Faculty Name	Course Code	Course Name	Hours/Term		Number of Students
						Theoretical	Applied	
2022-2023	Bahar	Istinye University	Medical Faculty Grade II (English Section-YÖS)	MED 201	Biophysics	8	-	37

		Istinye University	Medical Faculty Grade II (English Section-ÖSYM)	MED 201	Biophysics	8	-	57
		Istinye University	Medical Faculty Grade II (Turkish Section)	TIP 201	Biophysics	8	-	121
		Istinye University	Medical Faculty Grade I (English Section-YÖS)	MED 101	Biophysics	4	-	67
		Istinye University	Medical Faculty Grade I (English Section-ÖSYM)	MED 101	Biophysics	4	-	72
		Istinye University	Medical Faculty Grade I (Turkish Section)	TIP 101	Biophysics	4	-	150
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in Medicine	28 (Online)	-	12
2022-2023	Fall	Istinye University	Medical Faculty Grade II (English Section-YÖS)	MED 201	Biophysics	6	-	37
		Istinye University	Medical Faculty Grade II (English Section-ÖSYM)	MED 201	Biophysics	6	-	57
		Istinye University	Medical Faculty Grade II (Turkish Section)	TIP 201	Biophysics	6	-	121
		Istinye University	Medical Faculty Grade I (English Section-YÖS)	MED 101	Biophysics	9	-	67
		Istinye University	Medical Faculty Grade I (English Section-ÖSYM)	MED 101	Biophysics	9	-	72
		Istinye University	Medical Faculty Grade I (Turkish Section)	TIP 101	Biophysics	9	-	150
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in Medicine	28 (Online)	-	28
		Istinye University	Dentistry Faculty (English Section)	DENT104	Biophysics	14	-	102

		Istinye University	Dentistry Faculty (English Section)	DIS 103	Biophysics	14	-	69
2021-2022	Spring	Istinye University	Medical Faculty Grade II (English Section-YÖS)	MED 201	Biophysics	6	-	48
		Istinye University	Medical Faculty Grade II (English Section-ÖSYM)	MED 201	Biophysics	6	-	56
		Istinye University	Medical Faculty Grade II (Turkish Section)	TIP 201	Biophysics	6	-	114
		Istinye University	Medical Faculty Grade I (English Section-YÖS)	MED 101	Biophysics	4	-	64
		Istinye University	Medical Faculty Grade I (English Section-ÖSYM)	MED 101	Biophysics	4	-	65
		Istinye University	Medical Faculty Grade I (Turkish Section)	TIP 101	Biophysics	4	-	125
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in Medicine	28 (Online)	-	31
2021-2022	Fall	Istinye University	Medical Faculty Grade II (English Section-YÖS)	MED 201	Biophysics	4	-	48
		Istinye University	Medical Faculty Grade II (English Section-ÖSYM)	MED 201	Biophysics	4	-	56
		Istinye University	Medical Faculty Grade II (Turkish Section)	TIP 201	Biophysics	4	-	114
		Istinye University	Medical Faculty Grade I (English Section-YÖS)	MED 101	Biophysics	11	-	64
		Istinye University	Medical Faculty Grade I (English Section-ÖSYM)	MED 101	Biophysics	11	-	65
		Istinye University	Medical Faculty Grade I (Turkish Section)	TIP 101	Biophysics	11	-	125
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in	28 (Online)	-	28

					Medicine			
		Istinye University	Dentistry Faculty (English Section)	DENT104	Biophysics	28	-	41
		Istinye University	Faculty of Art and Science Molecular Biology and Genetics Department (English Section)	MBG 307	Biophysics	42	-	31
2020-2021	Spring	Istinye University	Medical Faculty (English Section)	MED 101	Biophysics	4 (Online)	-	141
		Istinye University	Medical Faculty (Turkish Section)	TIP 101	Biophysics	4 (Online)	-	114
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in Medicine	28 (Online)	-	28
2020-2021	Fall	Istinye University	Medical Faculty (English Section)	MED 101	Biophysics	14 (Online)	-	141
		Istinye University	Medical Faculty (Turkish Section)	TIP 101	Biophysics	14 (Online)	-	114
		Istinye University	Medical Faculty (English Section)	MED 030	Biophysical Aspects and Applications of Physical Principles in Medicine	28 (Online)	-	70
		Istinye University	Faculty of Art and Science Molecular Biology and Genetics Department (English Section)	MBG 307	Biophysics	42 (Online)	-	16
		Istinye University	Faculty of Art and Science Molecular Biology and Genetics Department (Turkish Section)	MOB 305	Biophysics	42 (Online)	-	1
2019-2020	Spring	Istinye University	Medical Faculty (English Section-YÖS)	MED 101	Biophysics	9	-	53
		Istinye University	Medical Faculty (English Section-ÖSYM)	MED 101	Biophysics	9	-	51

		Istinye University	Medical Faculty (Turkish Section-YÖS)	TIP 101	Biophysics	9	-	42
		Istinye University	Medical Faculty (Turkish Section-ÖSYM)	TIP 101	Biophysics	9	-	94
2019-2020	Fall	Istinye University	Medical Faculty (English Section-YÖS)	MED 101	Biophysics	17	-	53
		Istinye University	Medical Faculty (English Section-ÖSYM)	MED 101	Biophysics	17	-	51
		Istinye University	Medical Faculty (Turkish Section-YÖS)	TIP 101	Biophysics	17	-	42
		Istinye University	Medical Faculty (Turkish Section-ÖSYM)	TIP 101	Biophysics	17	-	94
		Istinye University	Pharmacy Faculty (Turkish Section)	ECZ 103	Physics and Biophysics	42	-	97
		Istinye University	Pharmacy Faculty (English Section)	PHA 103	Physics and Biophysics	42	-	63
		Istinye University	Faculty of Art and Science Molecular Biology and Genetics Department (Turkish Section)	MOB 305	Biophysics	42	-	20
2018-2019	Spring	Bilim University	Faculty of Art and Science Molecular Biology and Genetics Department (Turkish Section)		Biophysics	28	28	6
2018-2019	Fall	Istinye University	Medical Faculty (Turkish Section)	TIP 101	Biophysics	21	-	120
		Istinye University	Pharmacy Faculty (English Section)	PHA 103	Physics and Biophysics	42	-	16
		Istinye University	Pharmacy Faculty (Turkish Section)	ECZ 103	Physics and Biophysics	42	-	73

Post-Graduate Lessons

2022-2023	Spring	Istinye University	Institute of Graduate Education Neuroscience Master Program	SBY 5016	Clinic Neuroscience	2	-	20
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2022-2023	Fall	Istinye University	Institute of Graduate Education Molecular Oncology PhD Program	MONK 6011	Trace Elements and Minerals in Cancer	28	-	10
2021-2022	Fall	Istinye University	Institute of Graduate Education Neuroscience Master Program	SBY 5101	Cellular Neuroscience and Motor Systems	4	-	10

Practical Education

Istanbul University Cerrahpasa Medical Faculty

Turkish and English Medical Department 1. Class 1. Course and 2. Course Practical Education (2011 – 2018)

Responsibility and Application of Experiments

E 1: Effects of Direct Current on Tissue

E 2: Determination of Rheobase and Chronaxie

E 3: Potential Recording with Electrobiophysical Methods

E 5: Detection of Molecular Weights of Protein Utilizing Electrophoresis and DNA Analysis

H 1: Viscosity Measurement in Body Fluids

H 2: Measurement of Molecule Concentration in Body Fluids with Spectrophotometric Method

H 3: Determination of Erythrocyte Interior Fluid Volume

H 5: Measurement of Erythrocyte Deformability Index

R 2: Absorption of Nuclear Radiation

R 4: Determination of Plateau and Still Interval with Geiger-Müller Counter System

S 1: Blood Gas Analysis

S 2: Determination of O₂, CO₂ and N₂ Concentrations in Expired and Inspired Gas Samples

13. INTERNATIONAL CONGRESSES

1. “16th International Symposium of Trace Elements in Man and Animals”, 25 -29 June 2017, St. Petersburg, Russia.
2. “15th International Congress on Antiphospholipid Antibodies”, Girne, North Cyprus, 21 - 24 September 2016.

14. INTERNATIONAL CONGRESSES IN TURKEY

1. “4th International-33rd National Turkish Biophysics Congress”, Adiyaman University, Adiyaman, Turkey, 31 August - 03 September 2022.
2. “International Conference of Trace Elements and Minerals (ICTEM), Online Meeting of 36th GMS, 7th ISZB, TEMA17 and 13th ISTERH”, Aachen, Germany, 02 – 06 August 2021
3. “6th International Mardin Artuklu Scientific Researches Conference”, Hilton Garden Inn, Mardin, Turkey, 25 – 27 June 2021.
4. “II. International COVID-19 and Current Issues Congress”, Online, 01 – 02 May 2021.
5. “4th International Conference on COVID-19 Studies”, Online, Istanbul, Turkey, 17 – 19 April 2021.
6. Turkish Neuroendocrinology Society 4th International Congress of Turkish Neuroendocrinology Society (Online), Yeditepe University, Istanbul, Turkey, 26 -28 November 2020, (4th TNED Congress)
7. “2nd International Conference on COVID-19 Studies, Institute of Economic Development & Social Researches”, Paris (Online), 26 – 27 August 2020.
8. “COVID-19 Symposium Online-International-Multidisciplinary”, 26 – 28 June 2020, (Journal of Biotechnology and Strategic Health Research, 2020.
9. “Izmir Demokrasi University International Congress of Health Sciences “On-line” (ICHES-IDU 2020)”, 20 – 21 June 2020.
10. “Online International Conference of COVID-19 (CONCOVID)”, 12 - 14 June 2020.
11. “I. International Congress of Multidisciplinary Studies in Health Sciences-Online”, Altınbas University, 03 – 05 June 2020.
12. “INSAC Natural and Health Sciences (INHS-2020) (Online)”, 22 – 23 May 2020.
13. “Xth Eurasian Hematology Oncology Congress”, Istanbul, Turkey, 8 – 11 October 2019.
14. “35th International Physics Congress”, Turkish Physical Society, Herodot Cultural Center, 04 – 08 September 2019, Bodrum, Mugla.
15. “6th World Congress of Oxidative Stress, Calcium Signalling and TRP Channels”, Suleyman Demirel University Medical Faculty Biophysics Department, 24 – 27 May 2016, Isparta.

15. NATIONAL CONGRESSES

1. “32. National Biophysics Congress”, Turkish Biophysical Society, Online, 17 – 19 November 2021.
2. “Virtual Otology and Audiology Congress”, Yeni Yüzyıl University, Istanbul, 08 – 09 May 2021.
3. “Istinye University Stem Cell and Tissue Engineering Symposium (with International Participation)”, Istinye University, Istanbul, Turkey, 27 – 28 February 2021.
4. “31. National Biophysics Congress”, Turkish Biophysical Society, Cukurova University Mithat Özsan Lecture Hall, 09 – 12 September 2019, Adana.
5. “13. Istanbul Family Practitioner Congress”, Turkey Family Practitioner Foundation, Istinye University Topkapı Campus, 21 – 22 June 2019, Istanbul.
6. “28 – 29 National Biophysics Congress”, Turkish Biophysical Society, Acıbadem Mehmet Ali Aydınlar University Medical Faculty, 06 – 09 September 2017, Istanbul, Turkey.
7. “27. National Biophysics Congress”, Turkish Biophysical Society, Inonu University Medical Faculty, 29 September – 03 October 2015, Malatya, Turkey.
8. “26. National Biophysics Congress”, Turkish Biophysical Society, Gaziosmanpaşa University Medical Faculty Biophysics Department, 09 – 12 September 2014, Tokat, Turkey.
9. “5. DETAE Congress – Experimental Research and Its Reflection to Clinics”, Istanbul University Institute of Experimental Medicine, Sevim Buyukdevrim Library, 11 – 12 November 2013, Istanbul.
10. “II. Symposium of Electromagnetic Fields and Their Effects – EMANET 2013 for Environment and Public Health”, Collaborated with Istanbul Medical Chamber, UCTEA The Chamber of Electrical Engineers and Istanbul Law Society, Yıldız Technical University Auditorium, 08 – 09 September 2013, Istanbul.
11. “25. National Biophysics Congress”, Turkish Biophysical Society, Karadeniz Technical University Medical Faculty Biophysics Department, 24 – 27 September 2013, Trabzon, Turkey.
12. “24. National Biophysics Congress”, Turkish Biophysical Society, Marmara University Medical Faculty, 24 – 28 September 2012, Istanbul, Turkey.

13. “Symposium of Elekcromagnetic Fields and Their Effects – EMANET 2011 for Environment and Public Health”, Colloborated with Istanbul Medical Chamber, UCTEA The Chamber of Electrical Engineers and Istanbul Law Society, Yıldız Technical University Auditorium, 07 – 08 Ekim 2011, Istanbul.

14. “Tricyclic Antidepressant Intoxication, Nutritional Antioxidants, DNA Damage and Poison Control Centers”, Clinical Toxicology Society 7. Scientific Meeting, Clinical Toxicology Society, 18 – 20 May 2001, Kocaeli University Izmit - Derbent Complex, Izmit.

16. INTERNATIONAL ATTENDED COURSES AND EDUCATION PROGRAM

1. Medical Internship at Peditry Clinic in Semmelweis Medical Faculty – Budapest - Hungary via TurkMSIC (Turkish Medical Students International Committee, 01 – 31 July 1999, Budapest, Hungary.

17. NATIONAL ATTENDED COURSES AND EDUCATION PROGRAM

1. “Education of the Instructor Certificate Program; 2023-1. Term”, Istanbul University Continuous Education Application and Research Center, Distance Education Certificate Programs (Online), 06 – 31 March 2023, Istanbul.
2. “Digital Literacy Education”, Istinye University Teaching and Learning Center of Excellence (TLCE) (Online), 05 – 21 April 2021, İstanbul.
3. “Measurement and Evaluation Education in Higher Education”, Istinye University Teaching and Learning Center of Excellence (TLCE) (Online), 13 April – 04 May 2021, Istanbul.
4. “Academic Competence Development Program”, Istinye University Teaching and Learning Center of Excellence (TLCE), 01 – 26 June 2020, Istanbul.
5. “Education of Instructors for Medical Faculty Academic Members”, Istinye University Continuous Education Center (ISUSEM), 08 May – 04 June 2020, Istanbul.
6. “Project Cycle Management Education”, Istinye University Technology Transfer Office (ISUTECH), 11 – 13 April 2019, İstanbul.
7. “13. Applied Molecular Biology and Cell Culture Course”, Atlas Biotechnology, Nişantaşı University, 19 – 28 December 2018, Istanbul.

8. “2017 – 2018 Education Training Year Spring Semester Preparation Course for Postgraduate Education”, Istanbul University Institute of Medical Sciences, Istanbul University Congress and Culture Center, 19 February 2018, Istanbul.
9. “Experimental Design and Biostatistics Symposium”, Istanbul University – Institute of Experimental Medicine, Experimental Animal Biology and Biomedical Application Technics Department, Istanbul University Congress Center, 29 – 30 September 2014, İstanbul.
10. “General Principles of Basic Occupational Health and Safety and Education of Occupational Safety Culture”, Turkish Republic Ministry of Labor and Social Security – Istanbul Park Joint of Health and Safety Unit, Private Capa Hospital, 04 April 2014, Istanbul.
11. “Education of Applied Scientific Research Project Preparation – 1 (UBAPHE-1) within the Scope of TUBITAK 2237”, Zonguldak Hilton Hotel, 20 – 22 December 2013, Zonguldak.
12. “Acid Base Balance and Artery Blood Analysis Course”, Academic Respiration Association, Istanbul University Cerrahpasa Medical Faculty Biophysics Department, 11 June 2013, Istanbul, Turkey.
13. “Biochemistry Laboratory Education in Diagnosis and Follow-up of Diseases”, Istanbul University Cerrahpasa Medical Faculty Biochemistry Department, Cemi Demiroğlu Lecture Hall, 10 May 2013, Istanbul, Turkey.
14. “Ear Nose and Throat Diseases and Head and Neck Surgery Course in Family Medicine”, Istanbul Medical Chamber, 04 November 2012, Istanbul, Turkey.
15. “Course of Experimental Animal Research Application and Ethics” Istanbul University Cerrahpasa Medical Faculty, 08 – 19 October 2012, Istanbul, Turkey.
16. “Membrane Structure and Their Interactions Course”, Acibadem University Meical Faculty Biophysics Department, Acibadem Hospital Conference Hall, 30 May 2012, Istanbul, Turkey.
17. “Viscosity, Rheology and Texture/Tissue Analysis”, Brookefield Engineering Laboratories ve Sem Industry Corporation, 08 May 2012, Istanbul, Turkey.
18. “Family Medicine 1. Step Compliance Education Certificate Education”, Turkish Republic Ministry of Health, Directoship of Primary Health Care, Bakirkoy HHealth Dictorate District, 05 – 15 July 2010, Istanbul.

19. “Neonatal Resuscitation Program Practitioner Certificate Education”, Turkish Republic Ministry of Health, General Management of Maternal and Infant Health, Private Acibadem Hospital, 08 – 10 April 2008, Istanbul.
20. “1. National Reproduction Health and AIDS Education Program”, collaborated with TurkMISC (Turkish Medical Students International Committee) and Istanbul AIDS Fight Association, Merinos Guest House, 20 – 23 April 2000, Bursa.
21. “5. International HIV / AIDS Education Program”, collaborated with IFMSA (International Federation of Medical Students’ Association) & TurkMISC (Turkish Medical Students International Committee) & World Health Organisation (WHO) & Turkish Republic Ministry of Health & Hacettepe University HIV / AIDS Treatment and Research Center (HATAM) & Istanbul AIDS Fight Association, 20 – 27 February 2000, Ankara.
22. “Life with Asthma Fall School”, collaborated with Uludag University Medical Faculty Scientific Research Society and Department of Chest Diseases, 15 – 16 November 1997, Uludag University Medical Faculty Department of Chest Diseases, Gorukle, Bursa.
23. “Summer School of Health Care Services in Emergency Situations”, collaborated with Ege Scientific Research Society (EBAT) ve Izmir Medical Chamber Public Health Office, Ege University Bornova Campus, 08 – 12 July 1997, Izmir.

18. MEDICAL DEVICE EXPERIENCE

1. Harkness Capillary Viscometer
2. Brookfield Rotational Viscometer LVDVIII
3. Atomic Absorption Spectrophotometer (AAS)
4. Inductively Coupled Plasma Optic Emission Spectrometer (ICP-OES)
5. Blood Gas Analyser (Radiometer ABL 800)
6. Electrostimulator
7. Electrophoresis Device
8. UV Spectrophotometer
9. Stroboscope
10. Microhematocrit Centrifuge
11. Geiger-Müller Scintillation Counter
12. Centrifuge

13. Precision Scale

FOREIGN LANGUAGE

English Advanced Level

YOKDIL 2018 Fall: 98,75
UDS 2011 Fall: 83,75
UDS 2006 March: 86,25

Germany Beginner Level

INTERESTS AND PASTIMES

Reading, trekking, attending cultural trips.