



CIRRICULUM VITAE

1. NAME/SURNAME: Denizhan KARIŞ

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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
- Istinye University, Medical Faculty - Biophysics Lecture, Turkish and English Section
- Istinye University Pharmacy Faculty - Physics and Biophysics Lecture, Turkish and English Section
- Istinye University Faculty of Art and Science, Department of Molecular Biology and Genetics - Biophysics Lecture, Turkish Section
- 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. 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 mammarian 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.
- 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.
- 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.
- 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. 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.
2. Sipahioglu N.T., Ercan M., **Karis D.**, Uzun H., Sipahioglu F., The effects of ezetimibe on plasma viscosity and fibrinolytic activity, *Medical Science and Discovery*, 2(6): 339-344 (2015). DOI: 10.17546/msd.58298.
3. Ates Alkan F., Koksak 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.
4. Gul R., **Karis D.**, Meyanci Koksak 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.
5. 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.**, “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).
2. 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).
3. **Karış D.**, Tarhan D., Tok O., Ercan A.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).

4. **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).
5. 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).
6. 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. Ercan A.M., **Karis D.** , Tarhan D., Boyacioglu K., Koksal 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).
2. 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).
3. 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).

4. **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

7.6. ARTICLES PUBLISHED IN REFERRED NATIONAL JOURNALS

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

1. **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).
2. **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).
3. 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., Significance of Hemorheology In Cardiovascular Diseases 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. **Istanbul University 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).
2. **Istanbul University Research Foundation**, “The Evaluation of Blood Rheology and Aluminum Silicium Relationship in Smoking”, Project Nr: BEK-2017-26480 (Finished).
3. **Istanbul University 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).
4. **Scientific Research Projects Coordination Unit of Istanbul University**, “The Effects of Smoking on Manganese, Selenium and Hemorheological Parameters”, Project Nr: BEK-2016-21092 (Finished)

9. ADMINISTRATIVE DUTIES

25.03.2020 – Present	Istinye University Ethics Board for Clinical Research Membership
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 – Present	Istinye University Medical Faculty English Section 2. Class 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

12. COURSES TAUGHT (UNDERGRADUATE and POSTGRADUATE)

Under-Graduate Lectures

Academic Year	Term	University Name	Faculty Name	Course Name	Hours/Term		Number of Students
					Theoretical	Applied	
2019-2020	Fall	Istinye University	Medical Faculty (Turkish Section)	Biophysics	34	-	104
2019-2020	Fall	Istinye University	Medical Faculty (English Section)	Biophysics	34	-	142
2019-2020	Fall	Istinye University	Pharmacy Faculty (Turkish Section)	Physics and Biophysics	42	-	92
2019-2020	Fall	Istinye University	Pharmacy Faculty (English Section)	Physics and Biophysics	42	-	62
2019-2020	Fall	Istinye University	Faculty of Art and Science Molecular Biology and Genetics Department (Turkish Section)	Biophysics	42	-	21
2018-2019	Fall	Istinye University	Medical Faculty (Turkish Section)	Biophysics	21	-	120
		Istinye University	Pharmacy Faculty (English Section)	Physics and Biophysics	42	-	15
		Istinye University	Pharmacy Faculty (Turkish Section)	Physics and Biophysics	42	-	74
2018-2019	Spring	Bilim University	Faculty of Art and Science Molecular Biology and Genetics Department (Turkish Section)	Biophysics	28	14	6

Post-Graduate Lessons

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.

14. INTERNATIONAL CONGRESSES IN TURKEY

1. “I. International Congress of Multidisciplinary Studies in Health Sciences-Online”, Altınbas University, 03 – 05 June 2020.
2. “35th International Physics Congress”, Turkish Physical Society, Herodot Cultural Center, 04 – 08 September 2019, Bodrum, Mugla.
3. “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. “31. National Biophysics Congress”, Turkish Biophysical Society, Cukurova University Mithat Özsan Lecture Hall, 09 – 12 September 2019, Adana.
2. “13. Istanbul Family Practitioner Congress”, Turkey Family Practitioner Foundation, Istinye University Topkapı Campus, 21 – 22 June 2019, Istanbul.
3. “28 – 29 National Biophysics Congress”, Turkish Biophysical Society, Acıbadem Mehmet Ali Aydınlar University Medical Faculty, 06 – 09 September 2017, Istanbul, Turkey.
4. “27. National Biophysics Congress”, Turkish Biophysical Society, Inonu University Medical Faculty, 29 September – 03 October 2015, Malatya, Turkey.
5. “26. National Biophysics Congress”, Turkish Biophysical Society, Gaziosmanpasa University Medical Faculty Biophysics Department, 09 – 12 September 2014, Tokat, Turkey.
6. “5. DETAE Congress – Experimental Research and Its Reflection to Clinics”, Istanbul University Institute of Experimental Medicine, Sevim Buyukdevrim Library, 11 – 12 November 2013, Istanbul.
7. “II. Symposium of Elekcromagnetic Fields and Their Effects – EMANET 2013 for Environment and Public Health”, Colloborated with Istanbul Medical Chamber, UCTEA The Chamber of Electrical Engineers and Istanbul Law Society, Yıldız Technical University Auditorium, 08 – 09 September 2013, Istanbul.
8. “25. National Biophysics Congress”, Turkish Biophysical Society, Karadeniz Technical University Medical Faculty Biophysics Department, 24 – 27 September 2013, Trabzon, Turkey.
9. “24. National Biophysics Congress”, Turkish Biophysical Society, Marmara University Medical Faculty, 24 – 28 September 2012, Istanbul, Turkey.
10. “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.
11. “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 Pediatrics 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. “Academic Competence Development Program”, Istinje University Instruction and Learning Center, 01 – 26 June 2020, Istanbul.
2. “Education of Instructors for Medical Faculty Academic Members”, Istinje University Continuing Education Center (ISUSEM), 08 May – 04 June 2020, Istanbul.
3. “Project Cycle Management Education”, Istinje University Technology Transfer Office (ISUTECH), 11 – 13 April 2019, İstanbul.
4. “13. Applied Molecular Biology and Cell Culture Course”, Atlas Biotechnology, Nişantaşı University, 19 – 28 December 2018, Istanbul.
5. “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.
6. “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.
7. “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.
8. “Education of Applied Scientific Research Project Preparation – 1 (UBAPHE-1) within the Scope of TUBITAK 2237”, Zonguldak Hilton Hotel, 20 – 22 December 2013, Zonguldak.

9. "Acid Base Balance and Artery Blood Analysis Course", Academic Respiration Association, Istanbul University Cerrahpasa Medical Faculty Biophysics Department, 11 June 2013, Istanbul, Turkey.
10. "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.
11. "Ear Nose and Throat Diseases and Head and Neck Surgery Course in Family Medicine", Istanbul Medical Chamber, 04 November 2012, Istanbul, Turkey.
12. "Course of Experimental Animal Research Application and Ethics" Istanbul University Cerrahpasa Medical Faculty, 08 – 19 October 2012, Istanbul, Turkey.
13. "Membrane Structure and Their Interactions Course", Acibadem University Medical Faculty Biophysics Department, Acibadem Hospital Conference Hall, 30 May 2012, Istanbul, Turkey.
14. "Viscosity, Rheology and Texture/Tissue Analysis", Brookefield Engineering Laboratories ve Sem Industry Corporation, 08 May 2012, Istanbul, Turkey.
15. "Family Medicine 1. Step Compliance Education Certificate Education", Turkish Republic Ministry of Health, Directorate of Primary Health Care, Bakırkoy HHealth Directorate District, 05 – 15 July 2010, Istanbul.
16. "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.
17. "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.
18. "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.

19. “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.
20. “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
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Germany	Beginner Level
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INTERESTS AND PASTIMES

Reading, trekking, attending cultural trips.