

ÖZGEÇMİŞ VE ESERLER LİSTESİ**ÖZGEÇMİŞ****Adı ve Soyadı: Mani Mehraei****Doğum Tarihi: 17/06/1985****Doğum Yeri: Iran (Tehran)****Akademik Unvanı: Ph.D.****İş Telefonu:****Cep Telefonu: +905338720950****İş Adresi:****E-postası: manimehraei@yahoo.com****Bildiği Yabancı Diller (Puan ve Yılı): English (Fluent) and Turkish (Intermediate)****Aldığı Sertifikalar:****Uzmanlık Alanı:**

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Statistics	University of Science and Culture	2009
Y. Lisans	Information Systems	Eastern Mediterranean University	2012
Doktora	Applied Mathematics and Computer Science	Eastern Mediterranean University	2016
Doç. / Prof.			

Yüksek Lisans Tez Başlığı (özeti ekte) ve Tez Danışman(lar)ı: -

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı (özeti ekte) ve Danışman(lar)ı: Thesis title: Exploiting Hybrid Functional Petri Nets to Investigate Transcriptional Activity of Hemoglobin Switching
Supervisor: Prof. Dr. Rza Bashirov
Co-Supervisor: Assoc. Prof. Dr. Sukru Tuzmen

Görevler:

Görev Unvanı	Görev Yeri	Yıl
Researcher	Nanoscitec GmbH	2021-23
Instructor Dr.	Middle East Technical University (Northern Cyprus Campus)	2019-22

Assistant Professor	IAU: Tehran Medical Sciences	2017-18
Research Assistant	Eastern Mediterranean University	2012-16

Yönetilen Yüksek Lisans Tezleri :

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Yönetilen Doktora Tezleri/Sanatta Yeterlik Çalışmaları :

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Projelerde Yaptığı Görevler:

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İdari Görevler:

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Bilimsel Kuruluşlara Üyelikler:

Ödüller:

- Post-Doctoral research fellow offer by Estonian University of Life Sciences (2022-2025)
- Full scholarship awarded by National Research University of Higher School Economics during entire Master of Science program of Cognitive Sciences and Technologies (2018)
- Admission received by University of Bonn in Master of science program of Life Science Informatics. (2018)
- High Honor Ph.D. graduate of Eastern Mediterranean University (2016)
- Full scholarship awarded by Eastern Mediterranean University during entire Ph.D. program (2012-2016)
- High Honor MSc. graduate of Eastern Mediterranean University (2012)
- 25% tuition fee waiver scholarship awarded by Eastern Mediterranean University during entire Master of Science program (2010-2012)

Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler (Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir):

Year	Title of course	Applicant's role	Type	No. of Participants	Levels taught	Exam
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2020-2022	Discrete Computational Structures	Instructor Dr.	3 units with series of lectures, seminars and projects	Approx. 110 students	BS, fourth and sixth semester students	Written (90 minutes) + Projects
2020-2022	Introduction to Bioinformatics	Instructor Dr.	3 units with series of lectures, seminars and projects	Approx. 60 students	BS, last semester students	Written (90 minutes) + Projects
2020-2022	Statistics for Engineers	Instructor Dr.	3 units with series of lectures, seminars and projects	Approx. 250 students	BS, fourth and sixth semester students	Written (90 minutes) + Projects
2019-2022	Introduction to Information Technology and Applications	Instructor Dr.	Non-Credit with series of lectures and class activities	Approx. 800 students, 40 per class	BS, first and second semester students	Computer-based (60 minutes)
2019-2022	Introduction to C programming	Instructor Dr.	3 units with series of lectures, seminars and projects	Approx. 270 students, 40 per class	BS, first and second semester students	Written (90 minutes)
2017-2018	Calculus I	Assistant Professor	4 units with series of lectures, seminars and projects	Approx. 560 students, 70 per class	BS, first and second semester students	Written (90 minutes) + Projects
2012-2016	Biostatistics	Instructor	3 units with series of lectures and seminars	Approx. 800 students, 50 per class	Doctor of Pharmacy, third semester students	Written (120 minutes)

2012-2016	Statistics	Lecturer	4 units with series of lectures and seminars	Approx. 800 students, 20 per class	BS, last semester students	Written (90 minutes)
2014-2016	Database Management Systems	Teaching Assistant	3 units with series of seminars	Approx. 100 students, 25 per class	BS, last semester	Oral (30 minutes)
2012-2016	Probability and Statistical methods	Teaching Assistant	3 units with series of seminars	Approx. 960 students, 60 per class	BS, sixth and seventh semester students	Written (90 minutes)
2012-2014	Calculus I	Teaching Assistant	4 units with series of seminars	Approx. 400 students, 50 per class	BS, first and second semester students	Written (120 minutes)
2012-2014	Mathematics	Teaching Assistant	4 units with series of seminars	Approx. 480 students, 60 per class	Doctor of Pharmacy, first semester students	Written (90 minutes)
2012-2013	Computer Networks	Teaching Assistant	3 units with series of seminars	Approx. 40 students, 10 per class	BS, fifth semester students	Written (90 minutes)
2012	Mathematics	Teaching Assistant	3 units with series of seminars	Approx. 50 students	BA, first semester students	Written (90 minutes)
2003-2010	Statistics	Lecturer	-	Approx. 1000 students, 15 per class	Pre-University	No exam
2003-2010	English	Lecturer	-	Approx. 1000 students, 15 per class	Pre-University	Written (60 minutes) and oral (30 minutes)

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

- S. Honarmand, **M. Mehraei**, Z. Abassi Radmoghada, E. Mohammadi, M. Dastjerdi, S. Akbari, A. Akbari (2023). Micelles-based systems and their versatile application in different industries. *Journal of NanoScience Technology*, 10, 1-31. <https://doi.org/10.52319/j.nanoscitec.2023.24>
- Mehraei, M.** (2021). Comparison of Quantitative Modelling Types for Beta-Thalassemia and Sickle Cell Disease. *Journal of Modern Technology and Engineering*, 6(2), 67-88.
- Mehraei, M.** (2020). Investigating the role of sleeping time in depressive mood disorders using simulation-based quantitative methods. *Journal of Modern Technology and Engineering*, 5(2), 129-138.
- Mehraei, M.** (2020). Identifying Potential Gene Therapy to Treat Glioblastoma Through Inhibition of the PI3K/AKT/mTOR Signaling Pathway Using Fuzzy Stochastic Hybrid Functional Petri Nets. *Journal of Modern Technology and Engineering*, 5(1), 18-24.
- Mehraei, M.**, Nagy, B., Akcay, N. I., Tuzmen, S. (2019). Potential Therapeutic Modalities of Reawakening Fetal Hemoglobin Simulated by Reaction Systems. *Acta Polytechnica Hungarica*, 16(3). DOI: 10.12700/APH.16.3.2019.3.2
- Bashirov, R., Duranay, R., Seytanoglu, A., **Mehraei, M.**, Akcay, N. I. (2019). Exploiting Stochastic Petri nets with Fuzzy Parameters to Predict Efficient Drug Combinations for Spinal Muscular Atrophy. *Turkish Journal of Electrical Engineering & Computer Sciences*. DOI: 10.3906/elk-1902-133
- Mehraei, M.** & Bashirov, E. (2019). Petri net-based simulation of effective targets for β -globin disorders. *Journal of Modern Technology and Engineering*, 4(3), 139-152.
- Mehraei, M.** (2018). Identifying Emotion Regulation Altering Targets as Depressive Mood Disorder Treatments Using Fuzzy Stochastic Hybrid Petri Nets. *IAFOR Journal of Psychology & the Behavioral Sciences*, 4(1). <https://doi.org/10.22492/ijpbs.4.1.04>
- Mehraei, M.** & Akcay, N. I. (2017). Pleasure, Arousal, and Dominance Mood Traits Prediction Using Time Series Methods, *IAFOR Journal of Psychology and the Behavioral Sciences*, 3(1). <https://doi.org/10.22492/ijpbs.3.1.01>
- Bashirov, R. & **Mehraei, M.** (2017). Identifying targets for gene therapy of β -globin disorders using quantitative modeling approach, *Information Sciences*, 397, 37-47.
- Mehraei, M.**, Bashirov, R. & Tuzmen, S. (2016). Target based drug discovery for beta-globin disorders: drug target prediction using quantitative modelling with Hybrid Functional Petri nets, *Journal of Bioinformatics and Computational Biology*, 14(5), 1650026.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler:

Mehraei M. Investigating the Influence of Movie Genre on Mood Using Nonparametric Methods, *The Asian Conference on Psychology & the Behavioral Sciences 2022*, Tokyo, Japan, 2022.

Mehraei, M., Mood states prediction by Stochastic Petri nets, *International Psychological Applications Conference and Trends (INPACT 2017)*, Pracana C. and Wang M (eds), pp. 258-262, Budapest, Hungary. April, 2017.

Mehraei, M. & Akcay, N. I., Mood and emotional states prediction by time series methods, *International Psychological Applications Conference and Trends (INPACT 2016)*, Pracana C. and Wang M (eds), ISBN: 978-989-99389-6-0, pp. 382-386, Lisbon, Portugal. April, 2016.

Mehraei, M., Target based drug discovery for β -globin disorders, *1st Winter Data Retreat of EMU Genetics Club*, Eastern Mediterranean University, Famagusta, North Cyprus. January, 2016.

Mehraei, M., Tut, M., Tunay, M., The effect of mood on student performances on exams, *World Conference on Educational Sciences (WCES2013)*, Malta, Italy. 2013.

Tut M., Unul, S., Monfared, P., **Mehraei, M.**, Khaghanifar, I., Mathematics performance of fourth graders in North Cyprus located on a GIS solution, *International conference of new horizons in education*, Famagusta, North Cyprus. June, 2010.

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C1. Yazılan ulusal/uluslararası kitaplar:

C1.1.

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler:

C2.1.

D. Ulusal hakemli dergilerde yayımlanan makaleler:

D1.

E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler:

E1.

F. Sanat ve tasarım etkinlikleri:

F1.

G. Diğer yayınlar:

(Yukarıdaki maddelerde yer alan başlıklardaki kategorilere girmeyen ve belirtmek istenen tüm eserler bu maddenin altında belirtilecektir.)

Mehraei, M. (2022). Analyzing the Role of Neurotransmitters and Hormones on Mood Using Petri Nets. *ResearchGate*. DOI: 10.13140/RG.2.2.23265.79200

Mehraei, M. (2019). Pleasant Laziness as a Mood Disorder. *ResearchGate*. DOI: 10.13140/RG.2.2.33673.49768

Mehraei, M. (2018). A Proposal for Identifying Potential Strategies to Treat Affective Disorders Using Computer Simulations. *ResearchGate*. DOI: 10.13140/RG.2.2.32657.33124/1

Mehraei, M. (2016). Exploiting Hybrid Functional Petri Nets to Investigate Transcriptional Activity of Hemoglobin Switching. *ResearchGate*. DOI: 10.13140/RG.2.2.13627.31526