Res. Asst. AHMET SÜREYYA RİFAİOĞLU

Personal Information

Office Phone: +90 312 210 5577
Fax Phone: +90 312 210 5577
Email: ahmetr@metu.edu.tr
Web: https://avesis.metu.edu.tr/ahmetr

International Researcher IDs
ScholarID: 8M281H4AAAAJ&hl=tr&oi=ao
ORCID: 0000-0001-6717-4767
Publons / Web Of Science ResearcherID: AAX-9586-2020
ScopusID: 57188820872
Yoksis Researcher ID: 157170

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (Dr), Turkey 2015 - Continues
Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (Yl) (Tezli), Turkey 2012 - 2015
Undergraduate, Dogus University, Faculty Of Engıneerıng, Department Of Computer Engıneerıng, Turkey 2006 - 2010

Dissertations

Postgraduate, An extension to GOPred to annotate Swiss-Prot and Trembl sequences for all gene ontology categories and EC numbers, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (Yl) (Tezli), 2015

Research Areas

bioinformatics, Knowledge Engineering, Computer Learning, Pattern Recognition and Image Processing, Neural Networks

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2012 - Continues
Research Assistant, Mustafa Kemal Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. **CROssBAR: comprehensive resource of biomedical relations with knowledge graph representations.** DOĞAN T., Atas H., Joshi V., ATAKAN A., Rifaioglu A. S., NALBAT E., Nightingale A., Saidi R., Volynkin V., Zellner H., et

al.
Nucleic acids research, vol.49, no.16, 2021 (SCI-Expanded)

II. **Crowdsourced mapping of unexplored target space of kinase inhibitors**
Cichonska A., Ravikumar B., Allaway R. J., Wan F., Park S., Isayev O., Li S., Mason M., Lamb A., Tanoli Z., et al.
NATURE COMMUNICATIONS, vol.12, no.1, 2021 (SCI-Expanded)

III. **iBioProVis: interactive visualization and analysis of compound bioactivity space**
Dönmez A., Rifaioğlu A. S., Acar A. C., Doğan T., Cetin-Atalay R., Atalay V.
BIOINFORMATICS, vol.36, no.14, pp.4227-4230, 2020 (SCI-Expanded)

IV. **DEEPScreen: high performance drug-target interaction prediction with convolutional neural networks using 2-D structural compound representations**
RİFAİOĞLU A. S., NALBAT E., Atalay V., Martin M. J., Cetin-Atalay R., DOĞAN T.
CHEMICAL SCIENCE, vol.11, no.9, pp.2531-2557, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **In vitro validation of drug-target interactions revealed in silico by Comprehensive Resource of Biomedical Relations with Network Representations and Deep Learning (CROssBAR) in HCC**
NALBAT E., RİFAİOĞLU A. S., DOĞAN T., Martin M. J., Cetin-Atalay R., ATALAY M. V.
AACR Annual Meeting, ELECTR NETWORK, 22 - 24 June 2020, vol.80

II. **iBioProVis: Interactive Visualization and Analysis of Compound Bioactivity Space**
Dönmez A., RİFAİOĞLU A. S., ACAR A. C., DOĞAN T., Martin M. J., ATALAY R., ATALAY M. V.
27th Conference on Intellient Systems for Molecular Biology and 18th European Conference on Computational Biology, Basel, Switzerland, 21 - 25 July 2019

III. **Unsupervised identification of redundant domain entries in InterPro database using clustering techniques**
RİFAİOĞLU A. S., DOĞAN T., CAN T.
6th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, BCB 2015, Georgia, United States Of America, 9 - 12 September 2015, pp.505-506

Supported Projects

ATALAY M. V., ATALAY R., DALKIRAN A., RİFAİOĞLU A. S., Project Supported by Higher Education Institutions, Protein İşlevlerinin Altdizi Analizi ile Büyük Ölçekte Öngörme Yöntemleri, 2017 - 2017

Metrics

Publication: 14
Citation (WoS): 394
Citation (Scopus): 583
H-Index (WoS): 7
H-Index (Scopus): 7