

## Prof. Dr. MEHMET VOLKAN ATALAY

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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ScopusID: 6602757969

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### Eğitim Bilgileri

Doktora, Universite Paris 5, Ufr Mathematique Et Informatique, Fransa 1990 - 1993

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1988 - 1990

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1983 - 1987

### Yabancı Diller

İngilizce, C2 Ustalık

Fransızca, C1 İleri

### Yaptığı Tezler

Doktora, Reseaux de Neurones Aleatoires et Textures, Universite Paris 5, Ufr Mathematique Et Informatique, 1993

Yüksek Lisans, Image Processing of Ottoman Documents, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1990

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2005 - Devam Ediyor

Doç. Dr., Virginia Polytechnic Institute and State University, Virginia Bioinformatics Institute, 2004 - 2005

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1998 - 2005

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1993 - 1998

Öğretim Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1993 - 1993

### Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Rektörlük, 2010 - 2016

Orta Doğu Teknik Üniversitesi, Rektörlük, 2008 - 2010

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2008

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2001 - 2004

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1996 - 1997

## Yönetilen Tezler

ATALAY M. V., Distance matrices as protein representations, Yüksek Lisans, M.DİNÇ(Öğrenci), 2022

ATALAY M. V., Biyolojik ağların interaktif görselleştirilmesi için crossbar web servisinin implementasyonu, Yüksek Lisans, A. Atakan(Öğrenci), 2020

Atalay M. V., Multi-view subcellular localization prediction of human proteins, Yüksek Lisans, G.ÖZSARI(Öğrenci), 2019

Atalay M. V., Enzyme prediction with word embedding approach, Yüksek Lisans, E.AKIN(Öğrenci), 2019

Atalay M. V., A customized force-directed layout algorithm with genetic algorithm techniques for biological graphs whose vertices have enzyme commission attributes, Yüksek Lisans, F.AKSOYDAN(Öğrenci), 2019

ATALAY M. V., İlaç-hedef protein etkileşim uzayı ve protein fonksiyonlarının tahmini için derin öğrenme., Doktora, A.Süreyya(Öğrenci), 2019

ATALAY M. V., ATALAY R., Prediction of enzymatic properties of protein sequences based on the enzyme commission nomenclature, Yüksek Lisans, A.DALKIRAN(Öğrenci), 2017

ATALAY M. V., A customized force-directed layout algorithm for biological graphs whose vertices have enzyme commission attributes, Yüksek Lisans, H.FEHMİ(Öğrenci), 2015

ATALAY M. V., ATALAY R., An extension to GOPred to annotate Swiss-Prot and TrEMBL sequences for all gene ontology categories and EC numbers, Yüksek Lisans, A.SÜREYYA(Öğrenci), 2015

ATALAY M. V., Mining microarray data for biologically important gene sets, Doktora, G.KIRÇIÇEĞİ(Öğrenci), 2012

ATALAY M. V., Network structure based pathway enrichment system to analyze pathway activities, Doktora, Z.İŞİK(Öğrenci), 2011

ATALAY M. V., Automatic reconstruction of photorealistic 3-D building models from satellite and ground-level images, Doktora, E.SÜMER(Öğrenci), 2011

ATALAY M. V., Vision-based hand interface systems in human computer interaction, Doktora, S.GENÇ(Öğrenci), 2010

Atalay M. V., Vision based Hand Interface Systems in Human Computer Interaction, Doktora, S.Genç(Öğrenci), 2010

ATALAY M. V., Automated biological data acquisition and integration using machine learning techniques, Doktora, L.ÇARKACIOĞLU(Öğrenci), 2009

ATALAY M. V., Prediction of enzyme classes in a hierarchical approach by using SPMAP, Yüksek Lisans, A.GÜL(Öğrenci), 2009

ATALAY M. V., Subsequence feature maps for protein function annotation, Doktora, Ö.SİNAN(Öğrenci), 2008

ATALAY M. V., Hybrid CDN P2P architecture for multimedia streaming, Doktora, K.ÖZTOPRAK(Öğrenci), 2008

ATALAY M. V., A programming framework to implement rule based-target detection in images, Yüksek Lisans, Y.ŞAHİN(Öğrenci), 2008

CAN T., ATALAY M. V., A classification system for the problem of protein subcellular localization, Yüksek Lisans, G.ALAY(Öğrenci), 2007

ATALAY M. V., Improving interactive classification of satellite image content, Yüksek Lisans, G.TEKKAYA(Öğrenci), 2007

ATALAY M. V., A clustering method for the problem of protein subcellular localization, Yüksek Lisans, P.BEZEK(Öğrenci), 2006

ATALAY M. V., Interactive classification of satellite image content based on query by example, Yüksek Lisans, O.DALAY(Öğrenci), 2006

ATALAY M. V., Image-based extraction of material reflectance properties of a 3D object, Yüksek Lisans, M.ERKUT(Öğrenci), 2003

ATALAY M. V., Prediction of protein subcellular localization using global protein sequence feature, Yüksek Lisans, B.BOZKURT(Öğrenci), 2003

ATALAY M. V., Texture classification and retrieval using random neural network model, Yüksek Lisans, A.TEKE(Öğrenci),

2003

- ATALAY M. V., Reconstruction of a 3D human head model from images, Doktora, R.ZARE(Öğrenci), 2003
- ATALAY M. V., Fast object tracking by fusing adaptive background models and mean-shift analysis, Yüksek Lisans, Ö.TÜZEL(Öğrenci), 2003
- ATALAY M. V., Silhouette-based 3D reconstruction by energy minimization, Yüksek Lisans, E.MENGİ(Öğrenci), 2003
- ATALAY M. V., Prediction of protein subcellular localization based on primary sequence data, Yüksek Lisans, M.ÖZARAR(Öğrenci), 2003
- ATALAY M. V., Vision-based human-computer interaction using laser pointer, Yüksek Lisans, İ.LAYKUT(Öğrenci), 2003
- ATALAY M. V., Shortest path analysis in dynamic transportation networks by expert systems: A case study in Ankara, Bahçelievler district by using genetic algorithms, Yüksek Lisans, G.EKE(Öğrenci), 2003
- ATALAY M. V., Birincil dizi veri temelli protein hücre içi yer belirleme tahmini, Yüksek Lisans, M.Özarar(Öğrenci), 2003
- ATALAY M. V., Towards finding optimal mixture of subspaces for data classification, Doktora, M.ELHAFIZ(Öğrenci), 2003
- ATALAY M. V., Texture discrimination and segmentation of remotely sensed imagery by using adaptive subband decomposition, Yüksek Lisans, M.YAMAN(Öğrenci), 2003
- ATALAY M. V., Comparison of photo-consistency measures used in the voxel coloring algorithm, Yüksek Lisans, O.ÖZÜN(Öğrenci), 2002
- Atalay V., Relative consistency of projective reconstructions obtained from an image pair., Yüksek Lisans, B.Otlu(Öğrenci), 2002
- ATALAY M. V., Cognitive and computational aspects of gender estimation from faces, Yüksek Lisans, M.KORAY(Öğrenci), 2002
- Atalay V., A hybrid approach for Turkish optical character recognition., Yüksek Lisans, G.Kırçıçegi(Öğrenci), 2002
- ATALAY M. V., Appearance reconstruction of three-dimensional models from real images, Yüksek Lisans, U.YILMAZ(Öğrenci), 2002
- HALICI U., ATALAY M. V., 3 D reconstruction of rigid objects from multiple calibrated views, Doktora, A.YAŞAR(Öğrenci), 2002
- ATALAY M. V., A Hybrid approach for Turkish optical character recognition, Yüksek Lisans, G.KIRÇIÇEĞİ(Öğrenci), 2002
- ATALAY M. V., Contextual post processing for Turkish optical character recognition, Yüksek Lisans, S.ULAŞ(Öğrenci), 2002
- Atalay V., Comparison of photo-consistency measures used in the voxel coloring algorithm., Yüksek Lisans, O.Özün(Öğrenci), 2002
- ATALAY M. V., Relative consistency of projective reconstructions obtained from an image pair, Yüksek Lisans, B.OTLU(Öğrenci), 2002
- ATALAY M. V., Image mosaicing, Yüksek Lisans, A.ÖZZEYBEK(Öğrenci), 2000
- ATALAY M. V., Segmentation of human face, Yüksek Lisans, S.BASKAN(Öğrenci), 2000
- Atalay V., Texture extraction and reconstruction from multiple images, Yüksek Lisans, S.Genç(Öğrenci), 1999
- ATALAY M. V., Texture extraction and reconstruction from multiple images, Yüksek Lisans, S.GENÇ(Öğrenci), 1999
- ATALAY M. V., An SGML viewer for form document images, Yüksek Lisans, E.ARSLAN(Öğrenci), 1998
- ATALAY M. V., A Form document image parser, Yüksek Lisans, E.DİNCEL(Öğrenci), 1998
- ATALAY M. V., Form document identification based on hierarchical tree representation, Yüksek Lisans, P.DUYGULU(Öğrenci), 1998
- ATALAY M. V., Two matching algorithms for aerial images, Yüksek Lisans, D.ÇULHA(Öğrenci), 1998
- Atalay V., Two matching algorithms for aerial images., Yüksek Lisans, D.Çulha(Öğrenci), 1998
- ATALAY M. V., A New method for road finding in aerial images based on self organization and perceptual grouping principles, Yüksek Lisans, A.YAŞAR(Öğrenci), 1996
- ATALAY M. V., A Matching algorithm based linear features, Yüksek Lisans, M.UĞUR(Öğrenci), 1996
- Atalay V., A matching algorithm based on linear features, Yüksek Lisans, M.Uğur(Öğrenci), 1996

## Jüri Üyelikleri

Ödül, TÜSEB Teşvik Ödülü, Orta Doğu Teknik Üniversitesi, Ekim, 2020

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Drug Repurposing Approach to Identify Candidate Drug Molecules for Hepatocellular Carcinoma**  
Baser T, Rifaioğlu A. S., ATALAY M. V., Atalay R. C.  
International Journal of Molecular Sciences, cilt.25, sa.17, 2024 (SCI-Expanded)
- II. **Hybrid deep learning models with data fusion approach for electricity load forecasting**  
Özen S., YAZICI A., ATALAY M. V.  
Expert Systems, 2024 (SCI-Expanded)
- III. **Online embedding and clustering of evolving data streams**  
Zubaroglu A., Atalay M. V.  
STATISTICAL ANALYSIS AND DATA MINING, cilt.16, sa.1, ss.29-44, 2023 (SCI-Expanded)
- IV. **POWER CONSUMPTION FORECASTING BY HYBRID DEEP ARCHITECTURES WITH DATA FUSION**  
Özen S., ATALAY M. V.  
Computing and Informatics, cilt.42, sa.1, ss.126-156, 2023 (SCI-Expanded)
- V. **SLPred: a multi-view subcellular localization prediction tool for multi-location human proteins**  
ÖZSARI G., Rifaioğlu A. S., ATAKAN A., DOĞAN T., Martin M. J., Atalay R. C., ATALAY M. V.  
BIOINFORMATICS, cilt.38, sa.17, ss.4226-4229, 2022 (SCI-Expanded)
- VI. **CROssBAR: comprehensive resource of biomedical relations with knowledge graph representations.**  
DOĞAN T., Atas H., Joshi V., ATAKAN A., Rifaioğlu A. S., NALBAT E., Nightingale A., Saidi R., Volynkin V., Zellner H., et al.  
Nucleic acids research, cilt.49, sa.16, 2021 (SCI-Expanded)
- VII. **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, cilt.12, sa.1, 2021 (SCI-Expanded)
- VIII. **MDeePred: Novel multi-channel protein featurization for deep learning-based binding affinity prediction in drug discovery**  
Rifaioğlu A., Atalay R. C., KAHRAMAN D. C., DOĞAN T., Martin M., ATALAY M. V.  
Bioinformatics, cilt.37, sa.5, ss.693-704, 2021 (SCI-Expanded)
- IX. **Data stream clustering: a review**  
Zubaroglu A., Atalay V.  
ARTIFICIAL INTELLIGENCE REVIEW, cilt.54, sa.2, ss.1201-1236, 2021 (SCI-Expanded)
- X. **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, cilt.36, sa.14, ss.4227-4230, 2020 (SCI-Expanded)
- XI. **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, cilt.11, sa.9, ss.2531-2557, 2020 (SCI-Expanded)
- XII. **The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens**  
Zhou N., Jiang Y., Bergquist T., Lee A., Kacsóh B., Crocker A., Lewis K., Georghiou G., Nguyen H., Hamid M., et al.  
GENOME BIOLOGY, cilt.20, sa.1, 2019 (SCI-Expanded)
- XIII. **DEEPred: Automated Protein Function Prediction with Multi-task Feed-forward Deep Neural Networks**  
RİFAİOĞLU A. S., Dogan T., Martin M. J., Cetin-Atalay R., Atalay V.  
SCIENTIFIC REPORTS, cilt.9, 2019 (SCI-Expanded)
- XIV. **ECPred: a tool for the prediction of the enzymatic functions of protein sequences based on the EC nomenclature**

- Dalkıran A., Rifaioğlu A. S., Martin M. J., Cetin-Atalay R., Atalay M. V., Dogan T.  
BMC BIOINFORMATICS, cilt.19, 2018 (SCI-Expanded)
- XV. **EClerize: A customized force-directed graph drawing algorithm for biological graphs with EC attributes**  
Danaci H. F., Cetin-Atalay R., ATALAY M. V.  
JOURNAL OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY, cilt.16, sa.4, 2018 (SCI-Expanded)
- XVI. **Recent applications of deep learning and machine intelligence on in silico drug discovery: methods, tools and databases.**  
Rifaioğlu A. S., Atas H., Martin M., Cetin-Atalay R., Atalay V., Dogan T.  
Briefings in bioinformatics, 2018 (SCI-Expanded)
- XVII. **Large-scale automated function prediction of protein sequences and an experimental case study validation on PTEN transcript variants**  
RİFAİOĞLU A. S., Dogan T., Sarac O. S., ERSAHİN T., Saidi R., ATALAY M. V., MARTİN M. J., Cetin-Atalay R.  
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, cilt.86, sa.2, ss.135-151, 2018 (SCI-Expanded)
- XVIII. **HandVR: a hand-gesture-based interface to a video retrieval system**  
Genc S., Bastan M., GÜDÜKBAY U., Atalay V., GÜDÜKBAY U.  
SIGNAL IMAGE AND VIDEO PROCESSING, cilt.9, sa.7, ss.1717-1726, 2015 (SCI-Expanded)
- XIX. **Identification of Novel Reference Genes Based on MeSH Categories**  
Ersahin T., ÇARKACIOĞLU L., CAN T., Konu O., Atalay V., Cetin-Atalay R.  
PLOS ONE, cilt.9, sa.3, 2014 (SCI-Expanded)
- XX. **A signal transduction score flow algorithm for cyclic cellular pathway analysis, which combines transcriptome and CHIP-seq data**  
Isik Z., Ersahin T., Atalay V., AYKANAT C., Cetin-Atalay R.  
MOLECULAR BIOSYSTEMS, cilt.8, sa.12, ss.3224-3231, 2012 (SCI-Expanded)
- XXI. **GOPred: GO Molecular Function Prediction by Combined Classifiers**  
Sarac O. S., Atalay V., Cetin-Atalay R.  
PLOS ONE, cilt.5, sa.8, 2010 (SCI-Expanded)
- XXII. **Prediction of enzyme classes in a hierarchical approach by using SPMaP**  
Yaman A., Atalay V., Atalay R.  
NEW BIOTECHNOLOGY, cilt.27, 2010 (SCI-Expanded)
- XXIII. **Bi-k-bi clustering: mining large scale gene expression data using two-level biclustering**  
Carkacioglu L., Atalay R. C., KONU KARAKAYALI Ö., Atalay V., CAN T.  
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, cilt.4, sa.6, ss.701-721, 2010 (SCI-Expanded)
- XXIV. **Subsequence-based feature map for protein function classification**  
Sarac O. S., Guersoy-Yuezueguellue O., Cetin-Atalay R., Atalay V.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, cilt.32, sa.2, ss.122-130, 2008 (SCI-Expanded)
- XXV. **Experimental study on the sensitivity of autocalibration to projective camera model parameters**  
Hassanpour R., Atalay V.  
OPTICAL ENGINEERING, cilt.45, sa.4, 2006 (SCI-Expanded)
- XXVI. **Implicit motif distribution based hybrid computational kernel for sequence classification**  
Atalay V., Cetin-Atalay R.  
BIOINFORMATICS, cilt.21, sa.8, ss.1429-1436, 2005 (SCI-Expanded)
- XXVII. **Camera auto-calibration using a sequence of 2D images with small rotations**  
Hassanpour R., Atalay V.  
PATTERN RECOGNITION LETTERS, cilt.25, sa.9, ss.989-997, 2004 (SCI-Expanded)
- XXVIII. **Almost autonomous training of mixtures of principal component analyzers**  
Musa M., de Ridder D., Duin R., Atalay V.  
PATTERN RECOGNITION LETTERS, cilt.25, sa.9, ss.1085-1095, 2004 (SCI-Expanded)
- XXIX. **Vision-based continuous Graffiti (TM)-like text entry system**  
Erdem I., Erdem M., Atalay V., Cetin A.  
OPTICAL ENGINEERING, cilt.43, sa.3, ss.553-558, 2004 (SCI-Expanded)

- XXX. **A hierarchical representation of form documents for identification and retrieval**  
Duygulu P., Atalay V.  
International Journal on Document Analysis and Recognition, cilt.5, sa.1, ss.17-27, 2003 (SCI-Expanded)
- XXXI. **Silhouette-based 3-D model reconstruction from multiple images**  
Mulayim A., Yilmaz U., Atalay V.  
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, cilt.33, sa.4, ss.582-591, 2003 (SCI-Expanded)
- XXXII. **Ore-age: a hybrid system for assisting and teaching mining method selection**  
Guray C., Celebi N., Atalay V., Pasamehmetoglu A.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.24, sa.3, ss.261-271, 2003 (SCI-Expanded)
- XXXIII. **Prediction of protein subcellular localization based on primary sequence data**  
Ozarar M., Atalay V., Atalay R.  
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, cilt.2869, ss.611-618, 2003 (SCI-Expanded)
- XXXIV. **Texture segmentation using the mixtures of principal component analyzers**  
Musa M., Duin R., de Ridder D., Atalay V.  
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, cilt.2869, ss.505-512, 2003 (SCI-Expanded)
- XXXV. **Projection based method for segmentation of human face and its evaluation**  
Baskan S., Bulut M., Atalay V.  
PATTERN RECOGNITION LETTERS, cilt.23, sa.14, ss.1623-1629, 2002 (SCI-Expanded)
- XXXVI. **Vision-based single-stroke character recognition for wearable computing**  
Ozer O., Ozun O., Tuzel C., Atalay V., Cetin A.  
IEEE INTELLIGENT SYSTEMS & THEIR APPLICATIONS, cilt.16, sa.3, ss.33-37, 2001 (SCI-Expanded)
- XXXVII. **Matching algorithm based on Godel coding scheme**  
Dicle N., Atalay V.  
Proceedings of SPIE - The International Society for Optical Engineering, cilt.3974, ss.576-583, 2000 (SCI-Expanded)
- XXXVIII. **Subband domain coding of binary textual images for document archiving**  
Gerek O., Cetin A., Tewfik A., Atalay V.  
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.8, sa.10, ss.1438-1446, 1999 (SCI-Expanded)
- XXXIX. **Repulsive attractive network for baseline extraction on document images**  
Oztop E., Mulayim A., Atalay V., Yarman-Vural F.  
SIGNAL PROCESSING, cilt.75, sa.1, ss.1-10, 1999 (SCI-Expanded)
- XL. **A matching algorithm based on linear features**  
Atalay V., Yilmaz M.  
PATTERN RECOGNITION LETTERS, cilt.19, sa.9, ss.857-867, 1998 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Data Centric Molecular Analysis and Evaluation of Hepatocellular Carcinoma Therapeutics Using Machine Intelligence-Based Tools**  
Cetin-Atalay R., Kahraman D. C., Nalbat E., Rifaioğlu A. S., Atakan A., Dönmez A., Atas H., Atalay M. V., Acar A. C., Doğan T.  
JOURNAL OF GASTROINTESTINAL CANCER, cilt.52, sa.4, ss.1266-1276, 2021 (ESCI)
- II. **Multi-task Deep Neural Networks in Protein Function Prediction**  
RİFAİOĞLU A. S., doğan t., Martin M. J., ATALAY R., ATALAY M. V.  
arXiv, 2017 (Hakemsiz Dergi)
- III. **An Image-Based Inexpensive 3D Scanner**  
Yilmaz U., Mülayim A. Y., Atalay V.  
International Journal of Image and Graphics, cilt.3, sa.2, ss.235-263, 2003 (ESCI)
- IV. **Computer vision based mouse**  
Erdem A., Erdem E., Yardimci Y., Atalay V., Cetin A. E.

## Kitap & Kitap Bölümleri

### I. Forecasting of Product Quality Through Anomaly Detection

Dinc M., Ertekin Bolelli Ş., Ozkan H., Meydanli C., Atalay M. V.

Machine Learning and Knowledge Discovery in Databases, Cellier P., Driessens K., Editör, Springer-Verlag, Basel, ss.357-366, 2020

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

### I. Novel isoxazole- piperazine derivatives inhibit the stemness of HCC cells

NALBAT E., İBİŞ K., ÇALIŞKAN B., BANOĞLU E., ATALAY M. V., ATALAY R.

AASLD-TASL Digital Hepatology Meeting, Ankara, Türkiye, 15 Ocak 2022, ss.5-6

### II. 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 Haziran 2020, cilt.80

### III. Comparison of predictive models for forecasting timeseries data

Özen S., Atalay V., YAZICI A.

3rd International Conference on Big Data Research, ICBDR 2019, Cergy-Pontoise, Fransa, 20 - 21 Kasım 2019, ss.172-176

### IV. Online embedding and clustering of data streams

Zubaroglu A., Atalay V.

3rd International Conference on Big Data Research, ICBDR 2019, Cergy-Pontoise, Fransa, 20 - 21 Kasım 2019, ss.142-146

### V. Forecasting of Product Quality Through Anomaly Detection Mehmet Dinç,

Dinc M., ERTEKİN BOLELLİ Ş., Ozkan H., Meydanli C., ATALAY M. V.

2nd International Conference on Digital Transformation and Smart Systems, Ankara, Türkiye, 23 - 25 Ekim 2019

### VI. Receptor-Ligand Binding Affinity Prediction via Multi-Channel Deep Chemogenomic Modeling

Atalay M. V., Rifaioğlu A. S., Atalay R., Doğan T., Martin M.

The International Symposium on Health Informatics and Bioinformatics (HIBIT 2019), İzmir, Türkiye, 17 - 18 Ekim 2019

### VII. Forecasting of Product Quality Through Anomaly Detection

Dinc M., ERTEKİN BOLELLİ Ş., Ozkan H., Meydanli C., ATALAY M. V.

ECML/PKDD 2019 Workshop on Io Stream for Data Driven Predictive Maintenance, Würzburg, Almanya, 16 Eylül 2019

### VIII. 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 Intelligent Systems for Molecular Biology and 18th European Conference on Computational Biology, Basel, İsviçre, 21 - 25 Temmuz 2019

### IX. CROSSBAR: Comprehensive Resource of Biomedical Relations with Network Representations and Deep Learning", Oral presentation

Atalay M. V., Doğan T., Atalay R., Nalbat E., Rifaioğlu A. S., Ataş H., Martin M.

27th Conference on Intelligent Systems for Molecular Biology and 18th European Conference on Computational Biology, Basel, İsviçre, 21 - 25 Temmuz 2019

### X. Drug-Target Interaction Prediction with Deep Convolutional Neural Networks Using Compound Images

RİFAİOĞLU A. S., ATALAY M. V., Martin M. J., ATALAY R., Doğan T.

26th Conference on Intelligent Systems for Molecular Biology, Chicago, Amerika Birleşik Devletleri, 6 - 10 Temmuz 2018

- XI. **Automated Negative Gene Ontology Based Functional Predictions for Proteins with UniGOPred**  
Doğan T., RİFAİOĞLU A. S., Saidi R., Martin M. J., ATALAY M. V., ATALAY R.  
26th Conference on Intelligent Systems for Molecular Biology, Chicago, Amerika Birleşik Devletleri, 6 - 10 Temmuz 2018
- XII. **Investigation of Multi-task Deep Neural Networks in Automated Protein Function Prediction**  
RİFAİOĞLU A. S., Martin M. J., ATALAY R., ATALAY M. V., Doğan T.  
ISMB/ECCB 2017: 25th Annual International Conference on Intelligent Systems for Molecular Biology, Prag, Çek Cumhuriyeti, 21 - 25 Temmuz 2017
- XIII. **Prediction of Enzymatic Properties of Protein Sequences Based on the EC Nomenclature**  
DALKIRAN A., Doğan T., RİFAİOĞLU A. S., ATALAY M. V., Martin M. J., ATALAY R.  
ISMB/ECCB 2017: 25th Annual International Conference on Intelligent Systems for Molecular Biology, Prag, Çek Cumhuriyeti, 21 - 25 Temmuz 2017
- XIV. **Prediction of Enzymatic Properties of Protein Sequences Based on the EC Nomenclature**  
DALKIRAN A., RİFAİOĞLU A. S., Doğan T., ATALAY M. V., Martin M. J., ATALAY R.  
10th The International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), Kalkanlı, Kıbrıs (Kktc), 28 - 30 Haziran 2017, ss.37
- XV. **Investigation of Multitask Deep Neural Networks for Protein Function Prediction**  
RİFAİOĞLU A. S., Martin M. J., ATALAY R., ATALAY M. V., Doğan T.  
10th The International Symposium on Health Informatics and Bioinformatics (HIBIT 2017), Erdemli, Kıbrıs (Kktc), 28 - 30 Haziran 2017
- XVI. **Eclerize: A Customized Force-Directed Layout Algorithm for Biological Networks with EC Attributes**  
Danacı H. F., ATALAY R., ATALAY M. V.  
GLBIO 2017: Great Lakes Bioinformatics Conference, Şikago, Amerika Birleşik Devletleri, 15 - 17 Mayıs 2017
- XVII. **UniGOPred: A Large Scale Automated GO Term Annotation System for UniProtKB**  
RİFAİOĞLU A. S., Doğan T., SARAÇ Ö. S., Saidi R., ATALAY M. V., Martin M. J., ATALAY R.  
GLBIO 2017: Great Lakes Bioinformatics Conference, Şikago, Amerika Birleşik Devletleri, 15 - 17 Mayıs 2017
- XVIII. **ECPred: An Automated Enzymatic Function Prediction Tool Based on Combination of Different Classifiers**  
DALKIRAN A., RİFAİOĞLU A. S., Doğan T., ATALAY M. V., Martin M. J., ATALAY R.  
GLBIO 2017: Great Lakes Bioinformatics Conference, May 15-17, Şikago, Amerika Birleşik Devletleri, 15 - 17 Mayıs 2017
- XIX. **UniGOPred and ECPred Automated Function Prediction Tools Based on A Combination of Different Classifiers**  
Rifaioğlu A., Dogan T., SARAÇ Ö. S., ATALAY M. V., Martin M., ATALAY R.  
ISMB Automated FunctionPrediction-SIG, 11 Temmuz 2015
- XX. **Discriminative Modeling of Cell Signaling as Bayesian Networks**  
Yaman A. G., ACAR A. F., Atalay V., Cetin-Atalay R.  
2nd International Work-Conference on Bioinformatics and Biomedical Engineering (IWBBIO), Granada, Nikaragua, 7 - 09 Nisan 2014, ss.1617
- XXI. **Genetic variants within endotoxin signaling pathway association with asthma and atopy phenotypes**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.  
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, İsviçre, 16 - 20 Haziran 2012, cilt.67, ss.469
- XXII. **Association of asthma with polymorphisms in the endotoxin signaling pathway**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.  
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, İsviçre, 16 - 20



Haziran 2012, cilt.67, ss.469-470

- XXIII. **Single nucleotide polymorphisms in the endotoxin signaling pathway and their relationship with in vitro IgE synthesis**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., Yaman A., TUNCER A., Atalay R., Atalay V., Sackesen C., et al.  
31st Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Geneva, İsviçre, 16 - 20 Haziran 2012, cilt.67, ss.467-468
- XXIV. **Genetic variants within the endotoxin signaling pathway and their effects on in-vitro IgE synthesis**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., Yaman A., TUNCER A., Atalay R., Atalay V., Sackesen C., et al.  
30th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), İstanbul, Türkiye, 11 - 15 Haziran 2011, cilt.66, ss.115
- XXV. **Genetic variants within the endotoxin signaling pathway and asthma: an association study**  
ŞAHİNER Ü. M., YAVUZ S., Buyuktiryaki B., BİRBEN E., Topaloglu E., TUNCER A., Yaman A., Atalay R., Atalay V., Sackesen C., et al.  
30th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), İstanbul, Türkiye, 11 - 15 Haziran 2011, cilt.66, ss.60
- XXVI. **Data and model driven hybrid approach to activity scoring of cyclic pathways**  
IŞIK Z., ATALAY M. V., Aykanat C., Çetin-Atalay R.  
25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, İngiltere, 22 - 24 Eylül 2010, cilt.62 LNEE, ss.91-94
- XXVII. **Which Shape Representation Is the Best for Real-Time Hand Interface System?**  
Genc S., Atalay V.  
5th International Symposium on Visual Computing, Nevada, Amerika Birleşik Devletleri, 30 Kasım - 02 Aralık 2009, cilt.5875, ss.1-3
- XXVIII. **Evaluation of Signaling Cascades Based on the Weights from Microarray and ChIP-seq Data**  
Isik Z., Atalay V., Cetin-Atalay R.  
3rd International Workshop on Machine Learning in Systems Biology (MLSB), Ljubljana, Slovenya, 5 - 06 Eylül 2009, cilt.8, ss.44-54
- XXIX. **Short Time Series Microarray Data Analysis and Biological Annotation**  
Soekmen Z., Atalay V., Atalay R. C.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.533-534
- XXX. **HP2SLs: a database for subcellular localizations of human proteome**  
Bilen B., Atalay V., Ozturk M., Cetin-Atalay R.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Türkiye, 24 - 29 Haziran 2006, cilt.273, ss.248
- XXXI. **CAPRIS: a database for cancer gene promoter related motif search**  
Iskar M., Erdem A., Erdem E., Dickerman A., Ozturk M., Atalay V., Cetin-Atalay R.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Türkiye, 24 - 29 Haziran 2006, cilt.273, ss.248
- XXXII. **A novel model-based method for feature extraction from protein sequences for classification**  
Sarac O. S., Atalay V., Atalay R. C.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.129-131
- XXXIII. **Prediction of protein subcellular localization based on primary sequence data**  
Ozarar M., Atalay V., Atalay R.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Türkiye, 28 - 30 Nisan 2004, ss.118-120
- XXXIV. **Texture classification and retrieval using random neural network model**  
Teke A., Atalay V.  
6th Biennial IEEE Southwest Symposium on Image Analysis and Interpretation (SSIAI 2004), Nevada, Amerika

Birleşik Devletleri, 28 - 30 Mart 2004, ss.109-113

- XXXV. **Image-based extraction of material reflectance properties of a 3D rigid object**  
Erdem M., Erdem I., Yilmaz U., Atalay V.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Türkiye, 28 - 30 Nisan 2004, ss.245-248
- XXXVI. **Change detection in aerial images**  
Borchani M., Cloppet F., Atalay V., Stamon G.  
1st Canadian Conference on Computer and Robot Vision, London, Kanada, 17 - 19 Mayıs 2004, ss.354-360
- XXXVII. **Ore-age: An intelligent assisting and tutoring system for mining method selection**  
Guray C., Celebi N., Atalay V., Gunhan A.  
Proceedings of the Seventh IASTED International Conference on Artificial Intelligence and Soft Computing, Banff, Kanada, 14 - 16 Temmuz 2003, cilt.7, ss.313-320
- XXXVIII. **Computer vision based unistroke keyboard system and mouse for the handicapped**  
Erdem M., Erdem I., Atalay V., Cetin A.  
4th International Conference on Multimedia and Expo (ICME 2003), Maryland, Amerika Birleşik Devletleri, 6 - 09 Temmuz 2003, ss.765-768
- XXXIX. **Camera auto-calibration using a sequence of 2D images with small rotations and translations**  
Hassanpour R., Atalay V.  
17th International Symposium on Computer and Information Sciences, Florida, Amerika Birleşik Devletleri, 28 - 30 Ekim 2002, ss.215-219
- XL. **A character recognizer for Turkish language**  
Korkmaz S., Akinci G., Atalay V.  
7th International Conference on Document Analysis and Recognition (ICDAR 2003), Edinburgh, Saint Helena, 3 - 06 Ağustos 2003, ss.1238-1241
- XLI. **Appearance reconstruction of three dimensional models from real images**  
Yilmaz U., Mulyim A., Atalay V.  
17th International Symposium on Computer and Information Sciences, Florida, Amerika Birleşik Devletleri, 28 - 30 Ekim 2002, ss.76-80
- XLII. **Texture segmentation by using adaptive polyphase subband decomposition**  
Yaman M., Atalay V., Turker M., Cetin E., Gerek O.  
17th International Symposium on Computer and Information Sciences, Florida, Amerika Birleşik Devletleri, 28 - 30 Ekim 2002, ss.81-85
- XLIII. **Computer vision based unistroke keyboards**  
Erdem A., Erdem E., Atalay V., Cetin A.  
17th International Symposium on Computer and Information Sciences, Florida, Amerika Birleşik Devletleri, 28 - 30 Ekim 2002, ss.210-214
- XLIV. **Reconstruction of three dimensional models from real images**  
Yilmaz U., Mulyim A., Atalay V.  
1st International Symposium on 3D Data Processing Visualization and Transmission, Padua, İtalya, 19 - 21 Haziran 2002, ss.554-557
- XLV. **Computer vision based mouse**  
Erdem A., Erdem E., Yardimci Y., Atalay V., Cetin A.  
IEEE International Conference on Acoustics, Speech, and Signal Processing, Florida, Amerika Birleşik Devletleri, 13 - 17 Mayıs 2002, ss.4178
- XLVI. **Head modeling with camera auto-calibration and deformation**  
Hassanpour R., Atalay V.  
International Fall Workshop on Vision Modeling and Visualization 2000, Erlangen, Almanya, 20 - 22 Kasım 2002, ss.3-11
- XLVII. **PCA for gender estimation: Which eigenvectors contribute?**  
Balci K., Atalay V.  
16th International Conference on Pattern Recognition (ICPR), QUEBEC CITY, Kanada, 11 - 15 Ağustos 2002, ss.363-

- XLVIII. An automated differential blood count system**  
 Ogun G., Halici U., Leblebicioglu K., Atalay V., Beksac M., Beksac S.  
 23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Türkiye, 25 - 28 Ekim 2001, cilt.23, ss.2583-2586
- XLIX. Feature extraction and classification of blood cells for an automated differential blood count system**  
 ONGUN G., Halici U., Leblebicioglu K., Atalay V., Beksac M., Beksac S.  
 International Joint Conference on Neural Networks (IJCNN 01), Washington, Kiribati, 15 - 19 Temmuz 2001, ss.2461-2466
- L. Multi-baseline stereo correction for silhouette-based 3D model reconstruction from multiple images**  
 Mulayim A., Atalay V.  
 Conference on 3-Dimensional Image Capture and Applications IV, San-Jose, Kostarika, 24 - 25 Ocak 2001, cilt.4298, ss.143-154
- LI. Segmentation of human face using gradient-based approach**  
 Baskan S., Bulut M., Atalay V.  
 Conference on Machine Vision Applications in Industrial Inspection IX, San-Jose, Kostarika, 22 - 23 Ocak 2001, cilt.4301, ss.52-63
- LII. Automated contour detection in blood cell images by an efficient snake algorithm**  
 ONGUN G., Halici U., Leblebiciolu K., Atalay V., Beksac S., BEKSAÇ M.  
 Proceedings of the 3th World Congress of Nonlinear Analysts (WCNA 2000), Catania, İtalya, 19 - 26 Temmuz 2000, cilt.47, ss.5839-5847
- LIII. A matching algorithm based on Godel coding scheme**  
 Dicle N., Atalay V.  
 Conference on Image and Video Communications and Processing 2000, San-Jose, Kostarika, 25 - 28 Ocak 2000, cilt.3974, ss.576-583
- LIV. A hierarchical representation of form documents for identification and retrieval**  
 Duygulu P., Atalay V.  
 7th Annual Document Recognition and Retrieval Conference, San-Jose, Kostarika, 26 - 27 Ocak 2000, cilt.3967, ss.128-139
- LV. Texture based image retrieval by combining multiple tools**  
 Borchani M., Atalay V., Stamon G.  
 International Conference on Imaging Science, Systems, and Technology (CISST 2000), Nevada, Amerika Birleşik Devletleri, 26 - 29 Haziran 2000, ss.659-664
- LVI. Hierarchical representation of form documents for identification and retrieval**  
 Duygulu P., Atalay V.  
 Proceedings of the 2000 Document Recognition and Retrieval VII, San-Jose, Kostarika, 26 - 27 Ocak 2000, cilt.3967, ss.128-139
- LVII. Texture extraction from photographs and rendering with dynamic texture mapping**  
 Genç S., Atalay V.  
 10th International Conference on Image Analysis and Processing, ICIAP 1999, Venice, İtalya, 27 - 29 Eylül 1999, ss.1055-1058
- LVIII. An SGML based viewer for form documents**  
 Atalay V., Arslan E.  
 5th International Conference on Document Analysis and Recognition, ICDAR 1999, Bangalore, Hindistan, 20 - 22 Eylül 1999, ss.201-204
- LIX. Learning by optimization in random neural networks**  
 Atalay V.  
 13th International Symposium on Computer and Information Sciences (ISCIS 98), BELEK ANTALYA, Türkiye, 26 - 28 Ekim 1998, cilt.53, ss.143-148
- LX. A heuristic algorithm for hierarchical representation of form documents**  
 Duygulu P., Atalay V., Dincel E.

- 14th International Conference on Pattern Recognition, Brisbane, Avustralya, 16 - 20 Ağustos 1998, ss.929-931
- LXI. **Estimation of rotation between two frames of a scene**  
Atalay V., Yilmaz M.  
Visual Information Processing VII, Florida, Amerika Birleşik Devletleri, 13 - 14 Nisan 1998, cilt.3387, ss.252-260
- LXII. **An automated blood cell analysis and classification system**  
Ongun G., Halici U., Leblebicioglu K., Atalay V., Erkmen A., Beksac S., Beksac M., Erol A.  
13th International Symposium on Computer and Information Sciences (ISCIS 98), BELEK ANTALYA, Türkiye, 26 - 28 Ekim 1998, cilt.53, ss.222-227
- LXIII. **Unsupervised texture based image segmentation by simulated annealing using Markov random field and Potts models**  
Goktepe M., Atalay V., Yalabik N., Yalabik C.  
14th International Conference on Pattern Recognition, Brisbane, Avustralya, 16 - 20 Ağustos 1998, ss.820-822
- LXIV. **Repulsive attractive network for baseline extraction on document images**  
Oztop E., Mulayim A., Atalay V., YarmanVural F.  
1997 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 97), Munich, Almanya, 21 - 24 Nisan 1997, ss.3181-3184
- LXV. **Unsupervised segmentation of gray level Markov model textures with hierarchical self organizing maps**  
Goktepe M., Yalabik N., Atalay V.  
13th International Conference on Pattern Recognition, ICPR 1996, Vienna, Avusturya, 25 - 29 Ağustos 1996, cilt.4, ss.90-94
- LXVI. **TEXTURE GENERATION WITH THE RANDOM NEURAL NETWORK MODEL**  
ATALAY V., GELENBE E., YALABIK N.  
INTERNATIONAL CONF ON ARTIFICIAL NEURAL NETWORKS ( ICANN-91 ), Espoo, Finlandiya, 24 - 28 Haziran 1991, ss.111-116

## Desteklenen Projeler

- ATALAY M. V., NALBAT E., Yükseköğretim Kurumları Destekli Proje, İzoksazol türevli antikanser özellikli bileşiklerin karaciğer kanseri kök hücreleri üzerindeki etki mekanizmasının incelenmesi, 2021 - 2024
- ATALAY M. V., HAMANAKA R., Yükseköğretim Kurumları Destekli Proje, Drug Discovery for SerineGlycine OneCarbon Pathway Enzymes SHMT2 and MTHFD2 by Deep Learning and Machine Learning, 2022 - 2022
- Atalay M. V., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Comprehensive Resource of Biomedical Relations with Deep Learning and Network Representations, 2017 - 2020
- ATALAY M. V., ATALAY R., DALKIRAN A., RİFAİOĞLU A. S., Yükseköğretim Kurumları Destekli Proje, Protein İşlevlerinin Altdizi Analizi ile Büyük Ölçekte Öngörme Yöntemleri, 2017 - 2017
- ATALAY M. V., TÜBİTAK Projesi, Altdizi Analizine Dayalı Genom Anlamlandırması, 2005 - 2007

## Bilimsel Hakemlikler

- 14th Symposium on Health Informatics and Bioinformatics, Bildiri (Özet), Eylül 2021
- IEEE/ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, SCI Kapsamındaki Dergi, Mayıs 2021
- PLOS ONE, SCI Kapsamındaki Dergi, Kasım 2020
- TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Kasım 2020
- BMC BIOINFORMATICS, SCI Kapsamındaki Dergi, Ekim 2020
- TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Ekim 2020
- TÜBİTAK Projesi, 1511 - TÜBİTAK Öncelikli Alanlar Araştırma Teknoloji Geliştirme ve Yenilik P. D. P., Orta Doğu Teknik Üniversitesi, Türkiye, Ekim 2020

IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, SCI Kapsamındaki Dergi, Eylül 2020  
TÜBİTAK Projesi, 1002 - Hızlı Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Eylül 2020  
IEEE-ACM TRANSACTIONS ON COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, SCI Kapsamındaki Dergi, Ağustos 2020  
BRIEFINGS IN BIOINFORMATICS, SCI Kapsamındaki Dergi, Ağustos 2020  
BRIEFINGS IN BIOINFORMATICS, SCI Kapsamındaki Dergi, Temmuz 2020  
PEERJ, SCI-E Kapsamındaki Dergi, Temmuz 2020  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Kapsamındaki Dergi, Temmuz 2020  
TÜBİTAK Projesi, 1511 - TÜBİTAK Öncelikli Alanlar Araştırma Teknoloji Geliştirme ve Yenilik P. D. P., Orta Doğu Teknik Üniversitesi, Türkiye, Temmuz 2020  
TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Temmuz 2020  
BRIEFINGS IN BIOINFORMATICS, SCI Kapsamındaki Dergi, Haziran 2020  
PLOS ONE, SCI Kapsamındaki Dergi, Mayıs 2020  
BRIEFINGS IN BIOINFORMATICS, SCI Kapsamındaki Dergi, Mayıs 2020  
TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Mayıs 2020  
TÜBİTAK Projesi, 1005 - Ulusal Yeni Fikirler ve Ürünler Araştırma Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Mayıs 2020  
TÜBİTAK Projesi, 1001 - Bilimsel ve Teknolojik Araştırma Projelerini Destekleme Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Mayıs 2020  
TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, Orta Doğu Teknik Üniversitesi, Türkiye, Nisan 2020

## **Metrikler**

Yayın: 112  
Atıf (WoS): 1015  
Atıf (Scopus): 1397  
H-İndeks (WoS): 15  
H-İndeks (Scopus): 17

## **Akademi Dışı Deneyim**

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