

## Prof. Dr. MEHMET VOLKAN ATALAY

### Kişisel Bilgiler

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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.ELHAFİZ(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
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- 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
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- ATALAY M. V., Image mosaicing, Yüksek Lisans, A.ÖZZEYBEK(Öğrenci), 2000
- ATALAY M. V., Segmentation of human face, Yüksek Lisans, S.BASKAN(Öğrenci), 2000
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- 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. **Hybrid deep learning models with data fusion approach for electricity load forecasting**  
Özen S., YAZICI A., ATALAY M. V.  
Expert Systems, cilt.42, sa.2, 2025 (SCI-Expanded)
- II. **Drug Repurposing Approach to Identify Candidate Drug Molecules for Hepatocellular Carcinoma**  
Baser T., Rifaioglu A. S., ATALAY M. V., Atalay R. C.  
International Journal of Molecular Sciences, cilt.25, sa.17, 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., Rifaioglu 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.**  
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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**  
Rifaioglu 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., Rifaioglu 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., Kacsoh 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.  
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- 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**  
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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**  
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- XXXVI. **Vision-based single-stroke character recognition for wearable computing**  
Ozer O., Ozun O., Tuzel C., Atalay V., Cetin A.  
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- 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.

## Kitaplar

### 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

Zubaroğlu A., Atalay V.

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### 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

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- XI. **Automated Negative Gene Ontology Based Functional Predictions for Proteins with UniGOPred**  
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- XIII. **Prediction of Enzymatic Properties of Protein Sequences Based on the EC Nomenclature**  
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- XVII. **UniGOPred: A Large Scale Automated GO Term Annotation System for UniProtKB**  
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## **Metrikler**

Yayın: 112

Atıf (WoS): 1033

Atıf (Scopus): 1403

H-İndeks (WoS): 15

H-İndeks (Scopus): 18

## **Akademi Dışı Deneyim**

ODTÜ TEKNOKENT Yönetim AŞ

Türkiye Bilişim Derneği

ASELSAN