Prof. VİLDA PURUTÇUOĞLU



Personal Information

Office Phone: <u>+90 312 210 5319</u>

Fax Phone: <u>+90 312 210 2959</u>

Email: vpurutcu@metu.edu.tr

Web: https://avesis.metu.edu.tr/vpurutcu

International Researcher IDs

ScholarID: H0NrQAAAAJ ORCID: 0000-0002-3913-9005

Publons / Web Of Science ResearcherID: AAZ-6759-2020

ScopusID: 16023097100 Yoksis Researcher ID: 183364

Education Information

Undergraduate, Anadolu University, Faculty Of Arts And Sciences, Felsefe, Turkey 2017 - 2020

Doctorate, Lancaster University, Department Of Mathematics And Statistics, United Kingdom 2004 - 2007

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, İstatistik (YI) (Tezli),

Turkey 2002 - 2004

Undergraduate Minor, Middle East Technical University, Faculty of Economic and Administrative Sciences, Department of Economics, Turkey 2000 - 2002

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, Turkey 1997 - 2002

Dissertations

Doctorate, Gen ağları analizlerinde Bayesci metotlar, Lancaster University, Department Of Mathematics And Statistics, 2007

Postgraduate, Zaman serisi analizlerinde birim kök problemleri, Middle East Technical University, Graduate School of Natural and Applied Sciences, İstatistik (Yl) (Tezli), 2004

Research Areas

Biomedical Engineering, Statistical Analysis and Applications, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biomedical Engineering, 2019 - Continues

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2018 - Continues Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2012 - 2018 Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2010 - 2012 Lecturer PhD, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2009 - 2010

Research Assistant PhD, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2007 - 2009

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2002 - 2007

Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2022 - Continues

Internship Coordinator, Middle East Technical University, 2013 - Continues

Erasmus Program Department Coordinator, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2022 - 2022

Erasmus Program Institutional Coordinator, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biomedical Engineering, 2019 - 2021

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Biomedical Engineering, 2019 - 2021

Chairman or Member of the Commission of Inquiry, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, 2018 - 2018

Courses

Stochastic Processes, Undergraduate, 2022 - 2023

Multivariate Analyses, Undergraduate, 2022 - 2023

Decision Theory and Bayesian Analysis, Postgraduate, 2019 - 2020, 2018 - 2019

New Horizons in Statistics, Undergraduate, 2018 - 2019

Probability 1, Undergraduate, 2019 - 2020

NONPARAMETRIC STATISTICS, Undergraduate, 2017 - 2018

STATISTICAL METHODS, Undergraduate, 2017 - 2018

STATISTICAL METHODS, Undergraduate, 2018 - 2019

STATISTICS FOR BIOINFORMATICS, Postgraduate, 2018 - 2019

Advising Theses

Purutçuoğlu V., Application of statistical methods in the analyses of foster family, Postgraduate, G.ATAR(Student), 2023 Purutçuoğlu V., Collective anomaly detection in time series using pitch frequency and dissimilarity features, Doctorate, E.CAN(Student), 2023

Purutçuoğlu V., Modelling mutual interaction of finance and human factor via various sorts of indices, Doctorate, B.KALAYCI(Student), 2023

Purutçuoğlu V., A non-parametric circular network construction via simulations and a Hidden Markov model for the HİV-1 protease cleavage site detection, Doctorate, E.DOĞAN(Student), 2023

UĞUR Ö., PURUTÇUOĞLU GAZİ V., Extension of leap condition in approximate stochastic simulationalgorithms of biological networks, Postgraduate, S.DEMİRBÜKEN(Student), 2021

PURUTÇUOĞLU GAZİ V., Graphical models in inference of biological networks, Doctorate, H.Farnoudkia(Student), 2020 Purutçuoğlu Gazi V., Novel model selection criteria on high dimensional biological networks, Postgraduate, G.BAHAR(Student), 2019

Purutçuoğlu Gazi V., INFERENCE OF LARGE-SCALE NETWORKS VIA STATISTICAL APPROACHES, Doctorate, E.AYYILDIZ(Student), 2019

PURUTÇUOĞLU GAZİ V., Analyses and modeling of ovarian cancer microarray data, Postgraduate, B.S(Student), 2019 Purutçuoğlu Gazi V., Model comparison for gynecological cancer datasets and selection of threshold value, Doctorate, B.BAHÇİVANCI(Student), 2019

PURUTÇUOĞLU GAZİ V., Different types of modellings and the inference of model parameters for complex biological systems, Doctorate, M.AĞRAZ(Student), 2017

PURUTÇUOĞLU GAZİ V., Deterministic modeling and inference of biochemical networks, Postgraduate,

D.SEÇİLMİŞ(Student), 2017

PURUTÇUOĞLU GAZİ V., Deterministic modeling and inference of biological systems, Postgraduate, D.Seçilmiş(Student), 2017

PURUTÇUOĞLU GAZİ V., Application of copulas in graphical models for inference of biological systems, Postgraduate, D.DOKUZOĞLU(Student), 2016

Purutçuoğlu Gazi V., Stochastic simulations of biological networks under impulses, Postgraduate, M.ERGÜL(Student), 2016

PURUTÇUOĞLU GAZİ V., Stochastic simulations of biological networks under i∙mpulses, Postgraduate, M.ERGÜL(Student), 2016

PURUTÇUOĞLU GAZİ V., Regulatory networks studied by ellipsoidal calculus, Postgraduate, S.YAYLA(Student), 2015 PURUTÇUOĞLU GAZİ V., Comparison of the simulation tools for the deterministic modeling of biochemical networks, Postgraduate, G.TUNCER(Student), 2015

YANIK T., PURUTÇUOĞLU GAZİ V., Effect of maternal high fat diet on hypothalamus vacularite of their offspring /, Postgraduate, H.Taner(Student), 2014

PURUTÇUOĞLU GAZİ V., YANIK T., Effects of maternal high fat diet on hypothalamus vascularite of their offspring, Postgraduate, H.TANER(Student), 2014

PURUTÇUOĞLU GAZİ V., ACAR A. C., Analysis of motifs in microRNA-transcription factor gene regulatory networks, Postgraduate, B.SÜRÜN(Student), 2014

PURUTÇUOĞLU GAZİ V., Detection of the distribution and parameter estimation for the departing connectivity in biological networks, Postgraduate, O.DORCAS(Student), 2014

PURUTÇUOĞLU GAZİ V., Comparative statistical microarray analysis of yeast data under heat shock stress, Postgraduate, D.VAROL(Student), 2014

PURUTÇUOĞLU GAZİ V., Gaussian graphical approaches in estimation of biological systems, Postgraduate,

E.AYYILDIZ(Student), 2013

PURUTÇUOĞLU GAZİ V., Gene expression indices for single channel microarrays, Postgraduate, T.AKAL(Student), 2013

Jury Memberships

Award, Ankara Üniversitesi Fen Bilimleri Ödülü, Ankara Üniversitesi, February, 2022

Doctoral Examination, Doctoral Examination, Gazi University, December, 2021

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, November, 2021

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, May, 2021

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, May, 2021

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, March, 2021

Committee Of Expert, Committee Of Expert, Middle East Technical University, January, 2021

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, April, 2020

Associate Professor Exam, Associate Professor Exam, Middle East Technical University, April, 2020

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, December, 2019

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, January, 2019

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, December, 2018

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2018

Award, Mustafa Parlar Vakfı ODTÜ Tez Ödülleri, Orta Doğu Teknik Üniversitesi, September, 2018

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, July, 2018

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, July, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. Optimal model description of finance and human factor indices

Kalaycı B., PURUTÇUOĞLU V., Weber G. W.

Central European Journal of Operations Research, 2024 (SCI-Expanded)

II. A new collective anomaly detection approach using pitch frequency and dissimilarity: Pitchy anomaly detection (PAD)

Erkuş E. C., PURUTÇUOĞLU V.

Journal of Computational Science, vol.72, 2023 (SCI-Expanded)

III. Outlier detection and quasi-periodicity optimization algorithm: Frequency domain based outlier detection (FOD)

Erkuş E. C., Purutcuoglu V.

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.291, no.2, pp.560-574, 2021 (SCI-Expanded)

IV. Novel model selection criteria for LMARS: MARS designed for biological networks Bulbul G. B., PURUTÇUOĞLU GAZİ V.

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.91, no.9, pp.1749-1761, 2021 (SCI-Expanded)

V. Vine copula graphical models in the construction of biological networks

Farnoudkia H., PURUTÇUOĞLU GAZİ V.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.4, pp.1172-1184, 2021 (SCI-Expanded)

VI. Long-tailed graphical model and frequentist inference of the model parameters for biological networks

AĞRAZ M., PURUTÇUOĞLU GAZİ V.

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.90, no.9, pp.1591-1605, 2020 (SCI-Expanded)

VII. Novel model selection criteria on sparse biological networks

Bulbul G. B., Purutcuoglu V., Purutcuoglu E.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.9, pp.5359-5364, 2019 (SCI-Expanded)

VIII. Detection of abnormalities in heart rate using multiple Fourier transforms

Erkuş E. C., Purutcuoglu V., Purutcuoglu E.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, pp.5237-5242, 2019 (SCI-Expanded)

IX. Copula Gaussian graphical modeling of biological networks and Bayesian inference of model parameters

Farnoudkia H., Purutcuoglu V.

SCIENTIA IRANICA, vol.26, no.4, pp.2495-2505, 2019 (SCI-Expanded)

X. Extended lasso-type MARS (LMARS) model in the description of biological network Agraz M., PURUTÇUOĞLU GAZİ V.

JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION, vol.89, no.1, pp.1-14, 2019 (SCI-Expanded)

XI. Loop-based conic multivariate adaptive regression splines is a novel method for advanced construction of complex biological networks

Ayyıldız Demirci E., Purutçuoğlu Gazi V., Weber G. W.

EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.270, pp.852-861, 2018 (SCI-Expanded)

XII. Modeling of various biological networks via LCMARS

AYYILDIZ DEMİRCİ E., PURUTÇUOĞLU GAZİ V.

JOURNAL OF COMPUTATIONAL SCIENCE, vol.28, pp.148-154, 2018 (SCI-Expanded)

XIII. Transcriptomic analysis of the heat stress response for a commercial baker's yeast Saccharomyces cerevisiae

VAROL D., PURUTÇUOĞLU GAZİ V., YILMAZ R.

GENES & GENOMICS, vol.40, no.2, pp.137-150, 2018 (SCI-Expanded)

XIV. Impulsive Expressions in Stochastic Simulation Algorithms

Altintan D., Purutcuoglu V., UĞUR Ö.

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.15, no.1, 2018 (SCI-Expanded)

XV. Comprehensive Analyses of Gaussian Graphical Model under Different Biological Networks Dokuzoglu D., PURUTÇUOĞLU GAZİ V.

ACTA PHYSICA POLONICA A, vol.132, no.3, pp.1106-1111, 2017 (SCI-Expanded)

XVI. Gibbs Sampling in Inference of Copula Gaussian Graphical Model Adapted to Biological Networks PURUTÇUOĞLU GAZİ V., Farnoudkia H.

ACTA PHYSICA POLONICA A, vol.132, no.3, pp.1112-1117, 2017 (SCI-Expanded)

XVII. Robust background normalization method for one-channel microarrays

AKAL T., PURUTÇUOĞLU GAZİ V., Weber G.

TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.2, pp.111-121, 2017 (SCI-Expanded)

XVIII. Comparison of two inference approaches in Gaussian graphical models

PURUTÇUOĞLU GAZİ V., AYYILDIZ DEMİRCİ E., Wit E.

TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.2, pp.203-211, 2017 (SCI-Expanded)

XIX. Bernstein approximations in glasso-based estimation of biological networks

PURUTÇUOĞLU GAZİ V., Agraz M., Wit E.

CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE, vol.45, no.1, pp.62-76, 2017 (SCI-Expanded)

XX. MARS as an alternative approach of Gaussian graphical model for biochemical networks

AYYILDIZ DEMİRCİ E., Agraz M., PURUTÇUOĞLU GAZİ V.

JOURNAL OF APPLIED STATISTICS, vol.44, no.16, pp.2858-2876, 2017 (SCI-Expanded)

XXI. Clustering current climate regions of Turkey by using a multivariate statistical method

İyigün C., Turkes M., Batmaz İ., Yozgatlıgil C., Purutcuoglu V., Koc E. K., Ozturk M. Z.

THEORETICAL AND APPLIED CLIMATOLOGY, vol.114, pp.95-106, 2013 (SCI-Expanded)

XXII. Inference of the stochastic MAPK pathway by modified diffusion bridge method PURUTÇUOĞLU GAZİ V.

CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, vol.21, no.2, pp.415-429, 2013 (SCI-Expanded)

XXIII. Robust Gene Expression Index

PURUTÇUOĞLU GAZİ V.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2012 (SCI-Expanded)

XXIV. Estimating Network Kinetics of the MAPK/ERK Pathway Using Biochemical Data

Purutçuoğlu Gazi V., Wit E.

MATHEMATICAL PROBLEMS IN ENGINEERING, 2012 (SCI-Expanded)

 $XXV. \quad \textbf{Bayesian inference for the MAPK/ERK pathway by considering the dependency of the kinetic} \\$

parameters

PURUTÇUOĞLU GAZİ V., Wit E.

BAYESIAN ANALYSIS, vol.3, no.4, pp.851-886, 2008 (SCI-Expanded)

XXVI. FGX: a frequentist gene expression index for Affymetrix arrays

Purutcuoglu V., Wit E.

BIOSTATISTICS, vol.8, no.2, pp.433-437, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. Extension of Leap Condition in Approximate Stochastic Simulation Algorithms of Biological Networks

Demirbüken S., Purutçuoğlu Gazi V.

Turkish Journal of Mathematics and Computer Science, vol.15, no.1, pp.1-11, 2022 (Peer-Reviewed Journal)

II. Application of r-vine copula method in Istanbul stock market data: A case study for the construction sector

Farnoudkia H., Purutçuoğlu Gazi V.

Journal of Turkish Operations Management, vol.4, no.2, pp.509-518, 2020 (Peer-Reviewed Journal)

III. Estimation of gynecological cancer networks via target proteins

Bahçivancı B., Purutçuoğlu Gazi V., Purutçuoğlu E., Ürün Y.

Journal of Multidisciplinary Engineering Science and Technology, vol.5, no.12, pp.9296-9302, 2018 (Peer-Reviewed Journal)

IV. Is it necessary to apply the outlier detection for protein-protein interaction data?

Ayyıldız E., Purutçuoğlu Gazi V.

Journal of Biostatistics-Turkish Clinics, vol.10, no.3, pp.173-186, 2018 (Peer-Reviewed Journal)

V. Exact stochastic simulation algorithms and impulses in biological systems

Altıntan D., Purutçuoğlu Gazi V.

International Journal of Computational and Experimental Science and Engineering, vol.4, no.2, pp.41-47, 2018 (Peer-Reviewed Journal)

VI. Gen Ağlarının Matematiksel Modellenmesi

PURUTÇUOĞLU GAZİ V., AYYILDIZ DEMİRCİ E.

Turkiye Klinikleri Biyoistatistik Dergisi, vol.9, no.2, pp.143-155, 2017 (Peer-Reviewed Journal)

VII. Application of impulsive deterministic simulation of biochemical networks via simulation tools Purutçuoğlu Gazi V.

Proceedings of the Jangjeon Mathematical Society, vol.20, no.1, pp.105-119, 2017 (Scopus)

VIII. Gen ağlarının matematiksel modellemesi

Purutçuoğlu Gazi V.

Biyoistatistik Dergisi-Türkiye Klinikleri, vol.9, no.2, pp.143-155, 2017 (Peer-Reviewed Journal)

IX. Different types of Bernstein operators in inference of Gaussian graphical model

Agraz M., PURUTÇUOĞLU GAZİ V.

COGENT MATHEMATICS, vol.3, 2016 (ESCI)

X. Comparative assessment of simulation tools for bio-chemical networks

Purutçuoğlu Gazi V.

American Review of Mathematics and Statistics, vol.3, no.2, pp.69-82, 2015 (Peer-Reviewed Journal)

XI. A short note on resolving singularity problems in covariance matrices

Purutçuoğlu Gazi V., Ayyıdız E., Wit E.

International Journal of Statistics and Probability, vol.1, no.2, pp.113-118, 2012 (Peer-Reviewed Journal)

XII. Türkiye İklim Bölgelerinin Hiyerarşik Kümeleme Yöntemi ile Belirlenmesi

Kartal E., İyigün C., Fahmi M. F., Yozgatlıgil C., Purutçuoğlu Gazi V., Batmaz İ., Köksal G., Turkes M. İSTATİSTİK ARAŞTIRMA DERGİSİ, vol.8, pp.13-25, 2011 (Peer-Reviewed Journal)

XIII. Stukel's extended logistic regression analysis with R

Purutçuoğlu Gazi V.

ournal of Biostatistics-Turkish Clinics, vol.3, no.1, pp.49-56, 2011 (Peer-Reviewed Journal)

XIV. Review of the six-sigma methodology and its case studies

Purutçuoğlu Gazi V.

Selçuk Journal of Applied Mathematics, vol.12, no.1, pp.95-108, 2011 (Peer-Reviewed Journal)

XV. Biyokimyasal reaksiyonlar için stokastik simülasyon algoritmalarına genel bir bakış Purutçuoğlu Gazi V.

İstatistik Araştırma Dergisi, vol.7, no.1, pp.70-82, 2010 (Peer-Reviewed Journal)

XVI. Bayesian inference of the complex MAPK pathway under structural dependency

Purutçuoğlu Gazi V.

Journal of Statistical Research,, vol.6, no.1, pp.1-17, 2008 (Peer-Reviewed Journal)

XVII. Exact and Approximate Stochastic Simulations of the MAPK Pathway and Comparisons of Simulations' Results

Purutçuoğlu Gazi V.

Journal of Integrative Bioinformatics, vol.38, no.3, pp.1-13, 2006 (ESCI)

I. İnsan-Makine Uygulamalarında Kullanılacak Fizyolojik İnsan Verileri için Temel Alt-Yapısal Yazılım ve Donanım Süreçleri Geliştirme

Purutçuoğlu V. (Editor), Weber G. W. (Editor), Farnoudkia H. (Editor)

CRC, New York, New York, 2022

II. Evaluation of Data Compression Methods for Efficient Transport and Classification of Facial EMG Signals

Arı F., Akan E., Aktaş Dinçer H., Erkuş E. C., Farzin Asanjan M., Gökçay D., İleri F., Purutçuoğlu V., Somuncuoğlu A. N.

in: Operations Research New Paradigms and Emerging Applications, Vilda Purutçuoğlu, Gerhard-Wilhelm

Weber, Hajar Farnoudkia, Editor, CRC, New York, New York, pp.239-258, 2022

III. Two new non-parametric models for biological networks

Seçilmiş D., Ağraz M., Purutçuoğlu Gazi V.

in: Bayesian Reasoning and Gaussian Processes for Machine Learning Applications, Hemachandran K,Shubham Tayal,Preetha Mary George,Parveen Singla,Utku Kose, Editor, CRC, New York, New York, pp.77-100, 2022

IV. Operation Research in Neuroscience: A Recent Perspective of Operation Research Application in Finance

Kalaycı B., Purutçuoğlu V., Wilhelm Weber G.

in: Operations Research: New Paradigms and Emerging Applications, Purutçuoğlu, V., Weber, G.W. and Farnoudkia, H., Editor, CRC, New York, New York, pp.170-190, 2022

V. Bayesian Inference for Undirected Network Models

Farnoudkia H., Purutçuoğlu V.

in: Operations Research: New Paradigms and Emerging Applications, Purutçuoğlu,V.,Weber,G.W. and Farnoudkia,H., Editor, CRC, New York , New York, pp.218-238, 2022

VI. Generating various types of graphical models via MARS

Ayyıldız Demirci E., Purutçuoğlu V.

in: Bayesian Reasoning and Gaussian Processes for Machine Learning Applications, K. Hemachandran, S. Tayal, P. M. George, P. Singla, U. Kose., Editor, CRC, New York, New York, pp.101-110, 2022

VII. Vine copula and artificial neural network models to analyze breast cancer data

Farnoudkia H., Purutçuoğlu Gazi V.

in: Artificial Intelligence for Data-Driven Medical Diagnosis, Deepak Gupta, Utku Kose, Bao Le Nguyen and Siddhartha Bhattacharyya, Editor, Walter de Gruyter, Inc., Berlin, pp.287-304, 2021

VIII. Construction of a new model to investigate breast cancer data

Ağyüz U., PURUTÇUOĞLU V., PURUTÇUOĞLU E., ÜRÜN Y.

in: Modeling, Dynamics, Optimization and Bioeconomics IV, A. Pinto and D. Zilberman, Editor, Springer, pp.11-29, 2021

IX. Construction of a new model to investigate breast cancer data

Ağyüz U., Purutçuoğlu V., Purutçuoğlu E., Ürün Y.

in: Modeling, Dynamics, Optimization and Bioeconomics IV, A. Pinto, D. Zilberman, Editor, Springer Nature, Chur, pp.11-29, 2021

X. Vine copula and articial neural network models to analysis breast cancer dat

PURUTÇUOĞLU V., Farnoudkia H.

in: Articial Intelligence for Data-Driven Medical Diagnosis, D. Gupta, U. Kose, B. L. Nguyen, S. Bhattacharyya, Editor, De Gruyter, pp.287-303, 2021

XI. Detection of HIV-1 protease cleavages sites via hidden Markov model and physicochemical properties of aminoacids

Doğan Dar E., PURUTÇUOĞLU GAZİ V.

in: Numerical Solutions of Real-Life Nonlinear Phenomena., J. A. T. Machado, N. Ozdemir, D. Baleanu, Editor, Springer, Cham, pp.226-233, 2020

XII. Detection of HIV-1 protease cleavages sites via hidden Markov model and physicochemical properties of aminoacids

Doğan Dar E., Purutçuoğlu Gazi V., Purutçuoğlu E.

in: Numerical Solutions of Realistic Nonlinear Phenomena, J. A. T. Machado, N. Ozdemir, D. Baleanu, Editor, Springer,

London/Berlin, Ankara, pp.171-193, 2020

XIII. Empirical copula in the detection of batch effects

Ağraz M., Purutçuoğlu Gazi V.

in: Mathematical Methods in Engineering, K. Tas D. Baleanu and J.A. Mashado, Editor, Springer, London/Berlin, Ankara, pp.25-39, 2019

XIV. Modeling of biochemical networks via classificationand regression tree methods

Seçilmiş D., Purutçuoğlu Gazi V.

in: Mathematical Methods in Engineering, K.Taş,D. Baleanu and J.A. Mashado, Editor, Springer, London/Berlin, Chur, pp.87-102, 2019

XV. Modeling of biochemical networks via classification and regression tree methods

Seçilmiş D., Purutçuoğlu Gazi V.

in: Mathematical Methods in Engineering, K. Tas D. Baleanu and J.A. Mashado, Editor, Springer, London/Berlin, Ankara, pp.87-102, 2018

XVI. Major simulation tools for biochemical networks

Tuncer G., Purutçuoğlu Gazi V.

in: Modelling, Dynamics, Optimization and Bioeconomics III, A. Pinto, Z. Zilberman, Editor, Springer, London/Berlin, Berlin, pp.443-467, 2018

XVII. Stochastic modelling of biochemical networks and inference of model parameters

Purutçuoğlu Gazi V.

in: Modelling, Dynamics, Optimization and Bioeconomics III, A. Pinto,Z. Zilberman, Editor, Springer, London/Berlin, Berlin, pp.369-385, 2018

XVIII. Major simulation tools for biochemical networks

Tuncer G., PURUTÇUOĞLU GAZİ V.

in: Modelling, Dynamics, Optimization and Bioeconomics III, A. Pinto, Z. Zilberman, Editor, Springer, pp.443-467, 2018

XIX. Stochastic modelling of biochemical networks and inference of modelparameters

PURUTCUOĞLU GAZİ V.

in: Modelling, Dynamics, Optimization and Bioeconomics III, A. Pinto, Z. Zilberman, Editor, Springer, pp.369-385, 2018

XX. Transformations of data in deterministic modelling of biological networks

Ağraz M., Purutçuoğlu Gazi V.

in: Intelligent Mathematics II: Applied Mathematics and Approximation Theory, O. Duman, Editor, Springer, London/Berlin , Berlin, pp.343-356, 2016

XXI. Biyoinformatik Alanında _Istatistik

Purutçuoğlu Gazi V.

Nobel Yayın Dağıtım, Ankara, 2014

XXII. Advanced mathematical and statistical tools in the dynamic modelling and simulation of geneenvironment networks

Defterli Ö., Purutçuoğlu Gazi V., Weber G. W.

in: Modeling, Optimization, Dynamics and Bioeconomy, D. Zilberman and A. Pinto, Editor, Springer, London/Berlin , Berlin, pp.235-257, 2014

XXIII. Biyolojik ağlar, evrim, hastalık ve gen fonksiyonlarını ortaya çıkarmaktadr

Purutçuoğlu Gazi V.

in: Biyologlar İçin Biyoinformatik, Z. Kaya, Editor, Nobel Yayın Dağıtım, Ankara, pp.291-314, 2014

XXIV. Determining the Climate Zones of Turkey by Center-Based Clustering Methods

Fahmi F., Kartal E., Iyigün C., Turkes M., Batmaz I., Yozgatligil C., Purutçuoğlu Gazi V., Köksal G.

in: Nonlinear and Complex Dynamics: Applications in Physical Biological and Financial Systems, J.A. Tenreiro Machado, Baleanu, D. and A. Luo, Editor, Springer, London/Berlin, London, pp.171-178, 2011

XXV. Survey of background normalizations for Affymetrix arrays and a case study

Purutçuoğlu Gazi V., Kayış E., Weber G. W.

in: Advances in Intelligent Modelling and Simulation: Simulation Tools and Applications, A. Byrski, Z. Oplatkova, M.

Carvalho, and M. Kisiel-Dorohinicki, Editor, Springer, London/Berlin, London, pp.199-219, 2011

XXVI. Gaining weights and feeling good about it

Wit E., Purutçuoğlu Gazi V., Odonovan L., Zhu X.

in: Microarray Technology and Cancer Gene Proling, S. Mocellin, Editor, Springer, London/Berlin , London, pp.31-38, 2006

Refereed Congress / Symposium Publications in Proceedings

I. A new frequency domain and dynamic time warping based feature: WFOD feature ERKUŞ E. C., PURUTÇUOĞLU V.

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6th International Statistical Congress, Antalya, Turkey, 01 June 2011, pp.1

CXXVI. Diffusion bridge method in inference of complex biochemical systems

Purutçuoğlu Gazi V.

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CXXVII. İklim değişikliğinin Türkiye uzerindeki etkisinin kümeleme yöntemleri ile incelenmesi

Purutçuoğlu Gazi V.

Uluslararası Katılımlı Coğrafya Kongresi Bildiri Kitabı,, İstanbul, Turkey, 01 June 2011, pp.201-210

CXXVIII. MODELLING LIPID BIOSYNTHESIS PATHWAYS OF OIL PALM BY BOOLEAN AND GRAPHICAL

APPROACHES

Quek E. M. P., PURUTÇUOĞLU GAZİ V., Sambanthamurthi R., WilhelmWeber G.

6th International Symposium on Health Informatics and Bioinformatics (HIBIT), İzmir, Turkey, 2 - 05 May 2011,

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CXXIX. YAĞIŞ VERİLERİNDE STANDART NORMAL TÜRDEŞLİK TESTİNİN KULLANILABİLİRLİĞİNİN BENZETİM YÖNTEMİ İLE DEĞERLENDİRİLMESİ

YOZGATLIGİL C., PURUTÇUOĞLU GAZİ V., YAZICI C., BATMAZ İ.

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KARTAL KOÇ E., FAHMİ F., İYİGÜN C., TÜRKEŞ M., YOZGATLIĞİL C., PURUTÇUOĞLU GAZİ V., BATMAZ İ., KÖKSAL G. 7. iSTATİSTİK GÜNLERİ SEMPOZYUMU, Turkey, 28 June 2010, pp.137-138

CXXXI. FGX implementation in two case studies

Purutçuoğlu Gazi V.

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CXXXII. Esenboğa, Atatürk ve London City Havaalanlarındaki mevsimsel hareketliliğin göstermelik değişken yöntemiyle tespit edilmesi

Konak D., Purutçuoğlu Gazi V.

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CXXXIII. Stochastic simulation of large biochemical systems by approximate Gillespie algorithm

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5th International Symposium on Health, Informatics and Bioinformatics, Antalya, Turkey, 01 June 2010, pp.181-186

CXXXIV. Yağış verilerinde standart normal türdeşlik testinin kullanılabilirliğinin benzetim yöntemi ile değerlendirilmesi

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CXXXV. Testing unit root and comparison of estimates

Purutçuoğlu Gazi V., Tiku M.

14th International Congress on Computational and Applied Mathematics, Antalya, Turkey, 01 June 2009, pp.185

CXXXVI. Estimation of gene expression levels for Affymetrix arrays

Purutçuoğlu Gazi V.

5th Conference of the Eastern Mediterranean Region of the International Biometric Society, Antalya, Turkey, 01 June 2009, pp.100

CXXXVII. Rao-blackwellized estimates for the multivariate Bayesian inference

Purutçuoğlu Gazi V., Wit E.

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CXXXVIII. Inclusion of convoluted measurements in Bayesian inference of the MAPK/ERK pathway via multivariate diffusion model

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 $3rd\ International\ Symposium\ on\ Health,\ Informatics\ and\ Bioinformatics,\ \dot{I} stanbul,\ Turkey,\ 01\ June\ 2008,\ pp. 1-15$

CXXXIX. FGX (frequentist gene expression index) for Affymetrix arrays under non-normality assumption Purutçuoğlu Gazi V.

8th International Conference on Robust Statistics, Antalya, Turkey, 01 June 2008, pp.79-80

CXL. An approximation algorithm based on leap condition for stochastical simulation of biomedical systems

Purutçuoğlu Gazi V., Wit E.

4th International Conference \Inverse problems: Modelling and Simulation, Aydın, Turkey, 01 June 2008, pp.151-152

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Purutçuoğlu Gazi V., Wit E.

CRISM Workshop: Bayesian Inference for high-dimensional data,, Coventry, United Kingdom, 01 June 2008, pp.10-

CXLII. A new method in approximate stochastic simulations and application in real biochemical systems Purutçuoğlu Gazi V., Wit E.

17th International Workshop on Mathematical and Statistical Aspects of Molecular Biology, Manchester, United

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CXLIII. Bayesian inference for the MAPK/ERK pathway by considering the dependency of the kinetic parameters

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5th Bayesian Inference in Stochastic Processes,, Valencia, Spain, 01 June 2007, pp.42

CXLIV. Stochastic modelling of the MAPK signalling pathway

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21st International Workshop on Statistical Modelling, Galway, Ireland, 01 June 2006, pp.431-437

Expert Reports

I. FUNCTION BASED ADAPTIVE EXPONENTIALLY WEIGHTED MOVING AVERAGE CONTROL CHARTS

Purutçuoğlu V.

pp.3, Lahore, 2022

II. Memory Type Control Charts based on Bayesian Theory: Development and Evaluation

Purutçuoğlu V.

pp.3, Islamabad, 2022

III. A New Class of Weibull Generated Distribution

Purutçuoğlu V.

pp.4, Islamabad, 2021

IV. Some Modified Schemes of Ranked Set Sampling for Estimation of Population Mean

Purutçuoğlu V.

pp.3, Islamabad, 2021

V. Generating new class of distributions

Purutçuoğlu Gazi V.

pp.132, Islamabad, 2020

VI. MODELING OF SUPPLY AND DEMAND FOR MAIZE IN KILIFI DISTRICT KENYA A COBWEB MODEL APPROACH

PURUTÇUOĞLU GAZİ V.

2015

VII. Estimating performance of rail transport by bootstrap data envelopment analysis

PURUTÇUOĞLU GAZİ V.

2015

VIII. Chemical composition and antimicrobial activity of essential oils of Cyperus fuscus L s tubers collected from Ankara

PURUTCUOĞLU GAZİ V.

2015

IX. An application of size bias method

PURUTÇUOĞLU GAZİ V.

2015

X. Exon Prediction in Eukaryotic Genes using an Eficient Algorithm

PURUTCUOĞLU GAZİ V.

2015

Supported Projects

PURUTÇUOĞLU V., Project Supported by Higher Education Institutions, Dairesel Veriler İçin Ağ Modellemesinde Parametre Tahmini Ve Model Seçimi, 2023 - Continues

PURUTÇUOĞLU V., ERKUŞ E. C., KÖSTEKCİ S. M., UĞUR Ö., ŞENOĞLU B., ALTINTAN D., Project Supported by Higher

Education Institutions, Protein protein etkileşim ağlarında yaklaşık stokastik simülasyon algoritmaları, 2020 - 2023 Purutçuoğlu V., TUBITAK Project, Insan-Makine Uygulamalarında Kullanılacak Fizyolojik Insan Verileri Için Temel Alt-Yapısal Yazılım, 2018 - 2022

Purutçuoğlu V., Beycioğlu A., TUBITAK Project, Mühendislik Alanında PRoje Eğitimi 2 (MAPRE-2), 2021 - 2021 Purutçuoğlu V., Akbaş O., Company, Sağlıklı Yetişkinlerde COVID-19'un Önlenmesi için Geliştirilmiş Vahşi Tip SARS-CoV-2 veya Alfa Varyantı Spike içeren Virüs Benzeri Parçacık (VLP) Aşısı ile bunların kombinasyonunun Güvenliliği, Etkililiği ve İmmünojenisitesinin Değerlendirildiği Randomize, Çift Kör Paralel dozlamalı, Faz II Çalışma (SAVE Çalışması)", 2021 - 2021

Purutçuoğlu V., Akbaş O., Company, SARS-CoV-2'ye Karşı Geliştirilmiş Adjuvanlı İnaktif Koruyucu Aşının Sağlıklı Gönüllülerde İki Farklı Dozda Subkütan Yoldan İki Kez Uygulamasının Güvenlilik ve Etkililiğinin İncelendiği Faz I Çalışması, 2021 - 2021

Purutçuoğlu V., Akbaş O., Company, SARS-CoV-2'ye karşı geliştirilmiş koruyucu VLP aşısının sağlıklı gönüllülerde iki farklı dozajda subkutan yoldan iki kez uygulamasının insanlardaki temel farmakodinamik, farmakolojik ve toksikolojik etkilerinin incelendiği Faz I çalışması, 2021 - 2021

Purutçuoğlu Gazi V., TÜBİTAK - AB COST Project, European network for statistical network science, 2016 - 2020 Purutçuoğlu Gazi V., Beycioğlu A., TUBİTAK Project, Mühendislik alanında proje eğitimi, 2019 - 2019 PURUTÇUOĞLU V., BAHÇİVANCI B., KARAKELLE B. S., Purutçuoğlu E., AĞYÜZ U., Ürün Y., Project Supported by Higher Education Institutions, Rahim ağzı kanseriyle ilişkili genetik bilgilerin toplanması, analizi ve risk faktörleriyle beraber modellenmesi, 2017 - 2019

PURUTÇUOĞLU V., AĞRAZ M., Project Supported by Higher Education Institutions, Gaussian grafiksel modelinin ve lasso regresyonuna dayalı grafiksel modelinin uyarlanmış en çok olabilirlik metoduyla model parametre tahmini, 2017 - 2019 Purutçuoğlu Gazi V., TUBITAK Project, Biyolojik ağların Gaussian grafiksel modellerle tahmininde kopulaların uygulanması ve parametre tahmini, 2015 - 2017

Şeker T., Purutçuoğlu Gazi V., TUBITAK Project, Biyolojik Ağların Gaussian GrafikselModellerle Tahmininde Kopulaların Uygulanması Ve Parametre Tahmini, 2015 - 2017

PURUTÇUOĞLU V., SEÇILMIŞ D., AKAL T., Purutçuoğlu E., ŞEKER T., AYYILDIZ E., Project Supported by Higher Education Institutions, Karmaşık biyolojk sistemlerin deterministik modellemelerinde alternatif yaklaşımlar, parametre tahmini ve kopulalar, 2016 - 2016

PURUTÇUOĞLU V., Tuncer G., SÜRÜN B., Yazıcı M., AYDIN SON Y., UĞUR Ö., Project Supported by Higher Education Institutions, Biyokimyasal sistemlerin stokastik simülasyon algoritmalarıyla yaratılması ve impuls içerecek şekilde genişletilmesi, 2014 - 2016

PURUTÇUOĞLU GAZİ V., TUBITAK Project, Dijital İçerikli Açık Ders Kaynaklarını Destekleme Programı İstatistiğe Giriş 2, 2015 - 2015

PURUTÇUOĞLU GAZİ V., TUBITAK Project, Tanecik filtreleme yöntemiyle biyokimyasal sistemler için stokastik model parametrelerinin tahmini, 2015 - 2015

Şeker T., Purutçuoğlu Gazi V., TUBITAK Project, Tanecik Filtreleme Yöntemiyle Biyokimyasal Sistemler İçin Model Parametrelerinin Tahmini TBAG 112T772, 2013 - 2015

Purutçuoğlu Gazi V., EU Framework Program Project, PATHOSYS - New Algorithms for Host Pathogen Systems Biology, 2010 - 2015

PURUTÇUOĞLU GAZİ V., TUBITAK Project, Meme kanserinin histolojik ve patolojik alt tiplerinin meta analiz yçntemine dayalı miRNA imzaları ile sınıflandırılması, 2012 - 2013

PURUTÇUOĞLU GAZİ V., TUBITAK Project, Veri Madenciliği Yöntemleri ile Türkiye İklim Bölgelerinin Yeniden Belirlenmesi ve Yağış Tahmin Modellerinin Geliştirilmesi, 2009 - 2011

Batmaz İ., Yozgatlıgil C., İyigün C., Purutçuoğlu Gazi V., Köksal G., Project Supported by Higher Education Institutions, Veri Madenciliği Yöntemleri ile Türkiye İklim Bölgelerinin Yeniden Belirlenmesi, 2010 - 2010

Other International Funding Programs, Stochastic modelling and statistical inference of gene regulatory pathways integrating multiple sources of data, 2005 - 2006

International Journal of Industrial Engineering and Operational Research, Committee Member, 2018 - Continues

Data Science and Applications, Advisory Committee Member, 2018 - Continues

Journal of Biostatistics - Turkish Clinics, Advisory Committee Member, 2010 - Continues

BMC BIOINFORMATICS, Committee Member, 2022 - 2022

BIOMETRICS, Assistant Editor/Section Editor, 2022 - 2022

BIOMETRICS, Assistant Editor/Section Editor, 2021 - 2021

BIOMETRICS, Assistant Editor/Section Editor, 2021 - 2021

BIOMETRICS, Assistant Editor/Section Editor, 2021 - 2021

BIOMETRICS, Assistant Editor/Section Editor, 2021 - 2021

Memberships / Tasks in Scientific Organizations

International Biometrics Society-Award Fund Committee, Chairman of the Board, 2022 - 2022, United States Of America Eastern Mediterranean Region of the International Biometric Society, Country Representative, 2021 - 2022, United States Of America

International Biometrics Society, Executive Board Member, 2020 - 2022, United States Of America

Internatonal Biometrics Society, Country Representative, 2020 - 2021, United States Of America

International Biometric Society, Awards Fund Committee Member, Member of Science Committee, 2016 - 2019

Scientific Refereeing

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, December 2022

JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, SCI Journal, December 2022

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, Middle East Technical University, Turkey,

December 2022

 $TUBITAK\ Project,\ 1003-Priority\ Areas\ R\&D\ Projects\ Support\ Program,\ Middle\ East\ Technical\ University,\ Turke$

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BMC BIOINFORMATICS, SCI Journal, November 2022

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, November 2022

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, November 2022

BIOMETRICS, SCI Journal, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2022

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, October 2022

FRONTIERS IN PSYCHOLOGY, National Scientific Refreed Journal, October 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, October 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, October 2022

BMC BIOINFORMATICS, SCI Journal, September 2022

BMC BIOINFORMATICS, National Scientific Refreed Journal, August 2022

BIOMETRICS, SCI Journal, July 2022

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, July 2022

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, July 2022

BIOMETRICS, SCI Journal, May 2022

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, May 2022

ANNALS OF OPERATIONS RESEARCH, SCI Journal, April 2022

JOURNAL OF DYNAMICS AND GAMES, Journal Indexed in ESCI, April 2022

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, March 2022

BIOMETRICS, SCI Journal, March 2022

JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, SCI Journal, March 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, March 2022

BMC GENOMICS, SCI Journal, February 2022

TUBITAK Project, 2236 - Program for Supporting International Researchers, Middle East Technical University, Turkey, February 2022

SCIENTIFIC REPORTS, SCI Journal, December 2021

BIOMETRICS, SCI Journal, December 2021

TUBITAK Project, 1002 - Quick Support Program, THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF

TÜRKİYE, Turkey, December 2021

BMC BIOINFORMATICS, SCI Journal, November 2021

BMC GENOMICS, SCI Journal, November 2021

BIOMETRICS, SCI Journal, November 2021

JOURNAL OF APPLIED STATISTICS, SCI Journal, October 2021

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2021

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2021

JOURNAL OF DYNAMICS AND GAMES, Journal Indexed in ESCI, October 2021

AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), Journal

Indexed in ESCI, September 2021

BIOMETRICS, SCI Journal, August 2021

JOURNAL OF APPLIED STATISTICS, SCI Journal, August 2021

BMC BIOINFORMATICS, SCI Journal, August 2021

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey,

August 2021

BIOMETRICS, SCI Journal, July 2021

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, July 2021

OPEN CHEMISTRY, SCI Journal, June 2021

BIOMETRICS, SCI Journal, June 2021

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Türkiye Sağlık Enstitüleri Başkanlığı, Turkey,

June 2021

COMMUNICATIONS IN STATISTICS -THEORY AND METHODS, SCI Journal, May 2021

AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), Journal

Indexed in ESCI, May 2021

JOURNAL OF DYNAMICS AND GAMES, Journal Indexed in ESCI, May 2021

BIOMETRICS, SCI Journal, April 2021

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, March 2021

JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, SCI Journal, February 2021

 $T\"{u}rkiye\ Klinikleri\ Biyo istatistik\ Dergisi,\ National\ Scientific\ Refreed\ Journal,\ December\ 2020$

JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, SCI Journal, December 2020

 $Foundations\ of\ Computing\ and\ Decision\ Sciences,\ Other\ Indexed\ Journal,\ November\ 2020$

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, SCI Journal, November 2020

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, SCI Journal, November 2020

BIOMETRICS, SCI Journal, November 2020

Communications Faculty of Sciences University of Ankara Series A1-Mathematics and Statistics, Journal Indexed in ESCI,

November 2020

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Health Institutes of Turkey, Turkey, November

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, September 2020

ANNALS OF OPERATIONS RESEARCH, SCI Journal, August 2020

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, August 2020

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, SCI Journal, July 2020

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, June 2020

KAHRAMANMARAŞ SÜTÇÜ İMAM ÜNİVERSİTESİ TARIM VE DOĞA DERGİSİ, Other Journals, May 2020

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, SCI Journal, May 2020

EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, May 2020

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, SCI Journal, April 2020

COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, SCI Journal, March 2020

ANNALS OF OPERATIONS RESEARCH, SCI Journal, March 2020

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, SCI Journal, March 2020

JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES C-APPLIED STATISTICS, SCI Journal, February 2020

TUBITAK Project, 1002 - Quick Support Program, The Scientific and Research Council of Turkey, Turkey, February 2020

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, January 2020

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, January 2020

JOURNAL OF APPLIED STATISTICS, SCI Journal, January 2020

ANNALS OF OPERATIONS RESEARCH, SCI Journal, January 2020

OPEN CHEMISTRY, SCI Journal, December 2019

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

December 2019

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

December 2019

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

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Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

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Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

December 2019

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

December 2019

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Middle East Technical University, Turkey,

December 2019

TUBITAK Project, 2223 - Domestic Scientific Activities Support Program, Middle East Technical University, Turkey,

December 2019

Journal of Modern Applied Statistical Methods, Other Indexed Journal, November 2019

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, November 2019

BMC BIOINFORMATICS, SCI Journal, September 2019

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, September 2019

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Other Indexed Journal, July 2019

BMC BIOINFORMATICS, SCI Journal, July 2019

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Other Indexed Journal, June 2019

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Other Indexed Journal, June 2019

OPEN CHEMISTRY, SCI Journal, June 2019

CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, SCI Journal, June 2019

OPEN CHEMISTRY, SCI Journal, May 2019

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BMC BIOINFORMATICS, SCI Journal, May 2019

CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, National Scientific Refreed Journal, May 2019

Transactions on Fuzzy Systems, Other Indexed Journal, May 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey,

April 2019

International Journal of Statistics and Probability, Other Indexed Journal, March 2019

JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES C-APPLIED STATISTICS, SCI Journal, March 2019

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, March 2019

International Journal of Machine Learning and Cybernetics, Other Indexed Journal, March 2019

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, February 2019

CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, SCI Journal, February 2019

Journal of Biostatistics-Turkish Clinics, Other Indexed Journal, February 2019

Fundamental Journal of Mathematics and Applications, Other Indexed Journal, January 2019

CENTRAL EUROPEAN JOURNAL OF OPERATIONS RESEARCH, National Scientific Refreed Journal, January 2019

OPEN CHEMISTRY, SCI Journal, December 2018

Fundamental Journal of Mathematics and Applications, Other Indexed Journal, December 2018

Project Supported by Other Official Institutions, Orta Doğu Teknik Üniversitesi, Turkey, December 2018

International Journal of Statistics and Probability, Other Indexed Journal, November 2018

Fundamental Journal of Mathematics and Applications, Other Indexed Journal, November 2018

TUBITAK Project, 1002 - Quick Support Program, Orta Doğu Teknik Üniversitesi, Turkey, November 2018

Türkiye Klinikleri Biyoistatistik Dergisi, National Scientific Refreed Journal, October 2018

International Journal of Statistics and Probability, Other Indexed Journal, October 2018

The International Symposium on Health Informatics and Bioinformatics, Conference Paper (Full Text), August 2018

The International Symposium on Health Informatics and Bioinformatics, Conference Paper (Full Text), August 2018

The International Symposium on Health Informatics and Bioinformatics, Conference Paper (Full Text), August 2018

The International Symposium on Health Informatics and Bioinformatics, Conference Paper (Full Text), August 2018

Cogent Mathematics and Statistics, Other Indexed Journal, August 2018

 $The \ International \ Symposium \ on \ Health \ Informatics \ and \ Bioinformatics \ , Conference \ Paper \ (Full \ Text), August \ 2018$

The 4th International Conference on Fuzzy Systems and Data Mining, Conference Paper (Full Text), July 2018

Characterization of coding and noncoding RNA interactions through topological descriptors, Conference Paper (Full Text), July 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Orta Doğu Teknik Üniversitesi, Turkey, July 2018

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Orta Doğu Teknik Üniversitesi, Turkey, July 2018

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Orta Doğu Teknik Üniversitesi, Turkey, July 2018

Journal of Scientific Research and Reports, Other Indexed Journal, June 2018

International Journal of Statistics and Probability, Other Indexed Journal, June 2018

Project Supported by Other Official Institutions, Orta Doğu Teknik Üniversitesi, Turkey, June 2018

journal of Biostatistics-Turkish Clinics, Other Indexed Journal, May 2018

Cogent Mathematics and Statistics, Other Indexed Journal, April 2018

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, SCI Journal, April 2018

International Journal of Statistics and Probability, Other Indexed Journal, March 2018

TUBITAK Project, 1002 - Quick Support Program, Orta Doğu Teknik Üniversitesi, Turkey, March 2018

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, February 2018

International Journal of Statistics and Probability, Other Indexed Journal, February 2018

PeerJ, Other Indexed Journal, February 2018

OPEN CHEMISTRY, SCI Journal, February 2018

Journal of Biostatistics-Turkish Clinics, Other Indexed Journal, January 2018

Archives of Current Research International, Other Indexed Journal, January 2018

Journal Of Biostatistics-Turkish Clinics, Other Indexed Journal, January 2018

Monitor Medikal Araştırma ve Danışmanlık Şirketi, Scientific Consultancy, Middle East Technical University, Faculty of Arts and Sciences, Department of Statistics, Turkey, 2022 - 2022

Tasks In Event Organizations

Purutçuoğlu Gazi V., 15th International Conference on Computational Intelligence methods for Bioinformatics and Biostatistics , Scientific Congress, Portugal, Eylül 2018

Metrics

Publication: 225 Citation (WoS): 160 Citation (Scopus): 177 H-Index (WoS): 6 H-Index (Scopus): 6

Congress and Symposium Activities

XII Symposium of Polish Bioinformatics Society , Invited Speaker, Krakow, Poland, 2019 COSTNET Meeting, Working Group, Warszawa, Poland, 2018

Non Academic Experience

International Biometric Society (IBS)

METU

International Biometric Society (IBS)

International Biometric Society (IBS)

International Biometric Society (IBS)

International Biometric Society (IBS)

Groningen University

University of Groningen

METU

Lancaster University

METU

Glasgow University

METU