

# MERVE KAŞIKCI ÇAVDAR

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: JVN-5598-2024

Yoksis Researcher ID: 295006

## Education Information

Doctorate, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, Turkey 2019 - Continues

Postgraduate, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, Turkey 2016 - 2019

Undergraduate, Hacettepe University, Fen Bilimleri Enstitüsü, İstatistik A.B.D., Turkey 2012 - 2016

## Dissertations

Postgraduate, Transkriptom Veri Seti Üzerinde Derin Öğrenme Yöntemi İle Klasik Veri Madenciliği Yöntemlerinin Sınıflama Performanslarının Karşılaştırılması, Hacettepe University, Tıp Fakültesi (Türkçe), Temel Tıp Bilimleri Bölümü, 2019

## Research Areas

Statistics

## Academic Titles / Tasks

Research Assistant, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyoistatistik A.B.D., 2018 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- Comparison of autologous venous grafts and three types of extracellular matrix grafts in Peyronie's disease surgery**  
SOYDAŞ T., ÜNAL S., UZUNDAL H., KAŞIKCI M., KUTLUHAN M. A., OKULU E., KAYIGİL Ö.  
Turkish Journal of Medical Sciences, vol.54, no.5, pp.893-899, 2024 (SCI-Expanded)
- twowaytests: An R package for two-way tests in independent groups designs**  
DAĞ O., KAŞIKCI ÇAVDAR M., Yılmaz M. A., Weerahandi S., Ananda M. M. A.  
SOFTWAREX, 2024 (SCI-Expanded)
- Has the Coronavirus Disease 2019 Pandemic Played a Role in the Early Detection of Pulmonary Embolism in Children?**  
Eryılmaz Polat S., Akyan Soydaş Ş. S., Ocak E., Gençoğlu M. Y., Uytun S., Özkan Tabakci S., Kürtül M., Bilgiç I., Kaşıkçı

M., Ademhan Tural D., et al.

Journal of pediatric hematology/oncology, vol.46, no.6, 2024 (SCI-Expanded)

- IV. **A Novel Machine-Learning Algorithm to Predict the Early Termination of Nutrition Support Team Follow-Up in Hospitalized Adults: A Retrospective Cohort Study.**  
Yalçın N., Kaşıkçı M., Kelleci-Çakır B., Allegaert K., Güner-Oytun M., Ceylan S., Balcı C., Demirkan K., Halil M., Abbasoğlu O.  
Nutrients, vol.16, no.15, 2024 (SCI-Expanded)
- V. **Development, reliability, and validity of the telerehabilitation satisfaction questionnaire in neurological diseases.**  
Eldemir S., Eldemir K., Saygılı F., Ozkul C., Kasikci M., Yilmaz R., Cenk Akbostancı M., Irkeç C., Tural Gursoy G., Guclu-Gunduz A.  
International journal of medical informatics, vol.191, pp.105578, 2024 (SCI-Expanded)
- VI. **Comparison of the Disease Course of COVID-19 and Seasonal Coronavirus Infections in Children.**  
Aykaç K., Demir M., Kasikci M., Cengiz A. B., Ozsurekci Y.  
The Pediatric infectious disease journal, 2024 (SCI-Expanded)
- VII. **Risk assessments of drug-related problems for cardiac surgery patients.**  
Kelleci Çakır B., Kaşıkçı M., Aydın A., Yılmaz M., Bayraktar-Ekincioglu A.  
The American journal of managed care, vol.30, no.5, 2024 (SCI-Expanded)
- VIII. **Galectin-3 levels in children with cystic fibrosis**  
Ademhan Tural D., EMİRALİOĞLU ORDUKAYA N., AKIN Ş., Alboga D., Ozsezen B., Nayir Buyuksahin H., GÜZELKAŞ İ., Kasikci M., SUNMAN B., GÜNGÖR İ., et al.  
European Journal of Pediatrics, vol.183, no.5, pp.2333-2342, 2024 (SCI-Expanded)
- IX. **Acute Effect of Kinesiology Taping on Muscle Activation, Functionality and Proprioception in Patients With Knee Osteoarthritis: A Randomized Controlled Trial**  
Ataş A., Abit Kocaman A., Karaca Ş. B., KAŞIKCI ÇAVDAR M.  
Perceptual and Motor Skills, vol.131, no.2, pp.446-468, 2024 (SSCI)
- X. **The airway microbiota in siblings with primary ciliary dyskinesia: Related factors and correlation with clinical characteristics.**  
Ademhan Tural D., Kasikci M., Eryılmaz Polat S., Ozsezen B., Hizal M., Sunman B., Nayir Büyüksahin H., Guzelkas I., Altay O., Dolgun T. Y., et al.  
Pediatric pulmonology, vol.59, no.3, pp.695-706, 2024 (SCI-Expanded)
- XI. **Validity and reliability of the MetabQoL 1.0 and assessment of neuropsychiatric burden in organic acidemias: Reflections from Turkey**  
Ersak A. Ş., Çak H. T., YILDIZ Y., Çavdar M., Tunç S., ÖZER N., Zeltner N. A., Huemer M., TOKATLI A., Haliloğlu G.  
Molecular Genetics and Metabolism, vol.141, no.1, 2024 (SCI-Expanded)
- XII. **Development and validation of machine learning-based clinical decision support tool for identifying malnutrition in NICU patients**  
Yalçın N., Kaşıkçı M., Çelik H. T., Demirkan K., Yiğit Ş., Yurdakök M.  
Scientific Reports, vol.13, no.1, 2023 (SCI-Expanded)
- XIII. **Segmental hair metabolomics analysis in pregnant women with pregnancy complications**  
Najafova T., Dagdeviren G., Kasikci M., Sahin D., Yucel A., Ozyuncu O., Gürler M.  
Metabolomics : Official journal of the Metabolomic Society, vol.19, no.5, pp.45, 2023 (SCI-Expanded)
- XIV. **Impact of clinical pharmacist-led intervention for drug-related problems in neonatal intensive care unit a randomized controlled trial**  
Yalçın N., Kaşıkçı M., Çelik H. T., Allegaert K., Demirkan K., Yiğit Ş.  
Frontiers in Pharmacology, vol.14, 2023 (SCI-Expanded)
- XV. **Development and validation of a machine learning-based detection system to improve precision screening for medication errors in the neonatal intensive care unit**  
Yalcin N., Kasikci M., Celik H. T., Allegaert K., Demirkan K., Yigit Ş., Yurdakok M.  
Frontiers in Pharmacology, vol.14, 2023 (SCI-Expanded)
- XVI. **GeneSelectML: a comprehensive way of gene selection for RNA-Seq data via machine learning**

**algorithms.**

Dag O., Kasikci M., Ilk O., Yesiltepe M.

Medical & biological engineering & computing, vol.61, no.1, pp.229-241, 2023 (SCI-Expanded)

- XVII. **A new instrument to assess physical function in stroke patients: the Dubousset function test and its validity, reliability, responsiveness**  
Bozkurt Y. E., Abit Kocaman A., KAŞIKCI ÇAVDAR M., Keskin E. D.  
Neurological Research, vol.45, no.12, pp.1127-1135, 2023 (SCI-Expanded)
- XVIII. **An Artificial Intelligence Approach to Support Detection of Neonatal Adverse Drug Reactions Based on Severity and Probability Scores: A New Risk Score as Web-Tool**  
Yalçın N., Kaşıkçı M., Çelik H. T., Allegaert K., Demirkan K., Yiğit Ş., Yurdakök M.  
CHILDREN (BASEL), vol.9, no.12, pp.1-10, 2022 (SCI-Expanded)
- XIX. **Can expected pCO<sub>2</sub> be calculated by pCO<sub>2</sub>=HCO<sub>3</sub>+15 formula in central venous blood gas samples?**  
Yuksel M. E., Izdes S., Aydar I., Kasikci M.  
European review for medical and pharmacological sciences, vol.26, no.19, pp.6985-6989, 2022 (SCI-Expanded)
- XX. **Novel Method for Early Prediction of Clinically Significant Drug-Drug Interactions with a Machine Learning Algorithm Based on Risk Matrix Analysis in the NICU**  
Yalçın N., Kaşıkçı Çavdar M., Çelik H. T., Allegaert K., Demirkan K., Yiğit Ş., Yurdakök M.  
JOURNAL OF CLINICAL MEDICINE, vol.11, no.16, pp.1-13, 2022 (SCI-Expanded)
- XXI. **A twenty years' results of the antimicrobial resistance profile and multidrug resistance trend of invasive Streptococcus pneumoniae isolates recovered from adult patients in Turkey: A literature review.**  
Hascelik G., Sancak B., Kasikci M.  
Indian journal of medical microbiology, vol.40, no.3, pp.342-346, 2022 (SCI-Expanded)
- XXII. **The impact of the Adenotonsillectomy on cardiac functions and oxidative stress**  
Ozbilgic T., Suslu A. E., Aykan H. H., Pehlivanoglu B., Onal D., Kasikci M., Duzova A., Emiralioglu N., Yalcin E. E., Ersoz D., et al.  
International Journal of Pediatric Otorhinolaryngology, vol.154, 2022 (SCI-Expanded)
- XXIII. **Classification performance comparison of deep learning and classical data mining methods on RNA-Seq data set**  
Kasikci M., Cosgun E., KARABULUT E.  
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, vol.26, no.3-4, pp.188-201, 2021 (SCI-Expanded)
- XXIV. **Relationship between Abdominal Aortic Calcification, Abdominal Adiposity, and Liver Density**  
Ozturk C., Gungor O., Kaplanoglu V., KAŞIKCI M., Ramadan S. U.  
JCPSP-JOURNAL OF THE COLLEGE OF PHYSICIANS AND SURGEONS PAKISTAN, vol.30, no.12, pp.1245-1250, 2020 (SCI-Expanded)
- XXV. **Investigation of Cardiovascular System Findings and Affecting Factors Before and After Adenotonsillectomy Operation in Children with Obstructive Sleep Apnea Accompanied by Adenotonsillar Hypertrophy**  
Ozbilgic T., SÜSLÜ A. E., AYKAN H. H., PEHLİVANOĞLU B., ÖNAL D., KAŞIKCI M., DÜZOVA A., EMİRALİOĞLU N., YALÇIN E. E., Ersoz D. D., et al.  
EUROPEAN RESPIRATORY JOURNAL, vol.56, 2020 (SCI-Expanded)
- XXVI. **Lymphocyte Subgroups and KREC Numbers in Common Variable Immunodeficiency: A Single Center Study**  
Yaz I., Ozbek B., Ng Y. Y., Cetinkaya P. G., Halacli S., TAN Ç., KAŞIKCI M., KOŞUKCU C., Tezcan I., Cagdas D. N.  
JOURNAL OF CLINICAL IMMUNOLOGY, vol.40, no.3, pp.494-502, 2020 (SCI-Expanded)
- XXVII. **Diverse classifiers ensemble based on GMDH-type neural network algorithm for binary classification**  
DAĞ O., KAŞIKCI M., KARABULUT E., Alpar R.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Relationship between the Common Variants of the ADAM19, FAM13A, and IREB2 Genes and COPD Susceptibility and Severity**  
Senel M. Y., Kabacam S., KAŞIKCI ÇAVDAR M., Onder B. S., ŞİMŞEK KİPER P. Ö., ÜTİNE G. E., ALİKAŞİFOĞLU M.  
INDIAN JOURNAL OF RESPIRATORY CARE, no.2, pp.83-90, 2024 (ESCI)
- II. **A Methodological Research on Radiogenomics: Combining Radiomics and Genomics for Classification**  
Kaşıkçı M., Coşgun E., Karabulut E.  
Türkiye Klinikleri Biyoistatistik Dergisi, vol.16, no.1, pp.16-37, 2024 (Peer-Reviewed Journal)
- III. **Investigation of the instant effect of Kinesio Taping on the rectus femoris muscle on pain and functional disability in knee osteoarthritis patients**  
Abit Kocaman A., Ataş A., Karaca Ş. B., Kaşıkçı Çavdar M.  
Journal of Orthopedics Research and Rehabilitation, vol.1, no.3, pp.58-62, 2023 (Peer-Reviewed Journal)
- IV. **ASSESSMENT OF VASCULARITY WITH DOPPLER ULTRASONOGRAPHY METHODS IN PATIENTS OF PUBERTY PRECOCIOUS WITH THELARCHE**  
Öztürk C., Güngör Ö., Buluş D., Kaşıkçı M., Uysal Ramadan S.  
Kocatepe Tıp Dergisi, vol.24, no.1, pp.83-88, 2023 (Peer-Reviewed Journal)
- V. **The Effect of Missing Data Mechanisms on Deep Learning in Binary Classification: A Simulation Study**  
ÖZTÜRK E., ZENGİN H. Y., KAŞIKCI ÇAVDAR M., COŞGUN E.  
Türkiye Klinikleri Biyoistatistik Dergisi, vol.15, no.1, pp.1-12, 2023 (Peer-Reviewed Journal)
- VI. **Evaluation of the Efficiency of Simulated Patient Application in Emergency Case Management In-Service Training of Prehospital Health Personnel**  
Sezgin A., Kınıklı G. İ., Kaşıkçı M.  
Hastane Öncesi Dergisi, vol.7, no.3, pp.317-330, 2022 (Peer-Reviewed Journal)
- VII. **6-18 Yaş Arası Sendromik Olmayan Türk Çocuklarında Süpernumere Premolarların Prevalansı ve Özellikleri: Retrospektif Bir KIBT Çalışması**  
Ballıkaya E., Koç N., Kaşıkçı Çavdar M.  
Selcuk Dental Journal, vol.9, no.2, pp.471-478, 2022 (Peer-Reviewed Journal)
- VIII. **ULTRASOUND ELASTOGRAPHY FINDINGS IN SJÖGREN'S SYNDROME**  
Güngör Ö., Şahin K., Öztürk C., Uysal Ramadan S., Can S., Kaşıkçı Çavdar M.  
Ankara Eğitim ve Araştırma Hastanesi Tıp Dergisi, vol.55, pp.23-27, 2022 (Peer-Reviewed Journal)
- IX. **The Results of Trabeculectomy with Antimetabolites in Elderly Patients: A Retrospective Study**  
Dikmetaş Ö., Lotfisadigh S., Kaşıkçı M., Çankaya A. B., Kocabeyoğlu S.  
Acta Medica (formerly Hacettepe Medical Journal), vol.52, no.2, pp.162-166, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Comparison of Clinical Features of Aquaporin-4 Positive Neuromyelitis Optica Spectrum Disorder (NMOSD), Myelin Oligodendrocyte Glycoprotein (MOG) Associated Disorder, and Seronegative NMOSD - A Single Center Experience**  
Ozbek E. D., ÇAKAN ERCAN M., ACAR ÖZEN N. P., ÇOLPAK IŞIKAY A. İ., KAŞIKCI ÇAVDAR M., KARABUDAK R., TUNCER M. A.  
9th Joint ECTRIMS-ATRIMS meeting, Milan, Italy, 11 - 13 October 2023, pp.660-661
- II. **PARAMETRIC BOOTSTRAP BASED SIMULATION ON IDENTIFICATION OF DIFFERENTIALLY EXPRESSED GENES: WHICH ONE OF BORUTA OR ELASTIC NET PERFORMS BETTER?**  
Kaşıkçı Çavdar M., Saman Ö., Dağ O.  
12th International Conference of the International Biometric Society's Eastern Mediterranean Region, İzmir, Turkey, 8 - 11 May 2023, pp.56
- III. **A Comprehensive Real Data-Based Simulation Study on Gene Selection Performance of Machine Learning Algorithms**

Kaşıkcı Çavdar M., Dağ O.

2022 International Biometric Conference, Riga, Latvia, 10 - 15 July 2022

**IV. Comparison of Classification Performance for Deep Learning Method and Classical Data Mining Methods on Transcriptome Data Set**

Kaşıkcı Çavdar M., Coşgun E., Karabulut E.

21. Ulusal ve 4. Uluslararası Biyoistatistik Kongresi, Antalya, Turkey, 26 - 29 October 2019, pp.32-33

**V. Comparison of classification performances on transcriptomics dataset**

Kaşıkcı Çavdar M., Coşgun E., Karabulut E.

40th Annual Conference of the International Society for Clinical Biostatistics, Leuven, Belgium, 14 - 18 July 2019, pp.193-194

## **Metrics**

Publication: 44

Citation (WoS): 57

Citation (Scopus): 54

H-Index (WoS): 5

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