

## Dr. Öğr. Üyesi TUĞBA AKKAYA HOCAGİL

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Post Doktora, University of Waterloo, Kanada 2019 - 2022

Post Doktora, Harvard University, Harvard School of Public Health, Amerika Birleşik Devletleri 2018 - 2019

Doktora, State University of New York at Albany, Amerika Birleşik Devletleri 2011 - 2017

Yüksek Lisans, University of Massachusetts Amherst, Amerika Birleşik Devletleri 2009 - 2011

Lisans, Ege Üniversitesi, Türkiye 2001 - 2006

### Araştırma Alanları

Sağlık Bilimleri, Temel Bilimler

### Verdiği Dersler

Ornekleme ve Deney Tasarımı, Lisans, 2022 - 2023

Kategorik Veri Analizi, Yüksek Lisans, 2017 - 2018

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

- Genetic admixture predictors of fetal alcohol spectrum disorders (FASD) in a South African population**  
Carter R. C., Yang Z., AKKAYA HOCAGİL T., Jacobson S. W., Jacobson J. L., Dodge N. C., Hoyme H. E., Zeisel S. H., Meintjes E. M., Kizil C., et al.  
Gene, cilt.931, 2024 (SCI-Expanded)
- Semi-parametric benchmark dose analysis with monotone additive models**  
Stringer A., AKKAYA HOCAGİL T., Cook R. J., Ryan L. M., Jacobson S. W., Jacobson J. L.  
Biometrics, cilt.80, sa.3, 2024 (SCI-Expanded)
- Benchmark dose profiles for bivariate exposures.**  
Akkaya Hocagil T., Ryan L. M., Cook R. J., Dang K., Carter R. C., Richardson G. A., Day N. L., Coles C. D., Carmichael Olson H., Jacobson S. W., et al.  
Risk analysis : an official publication of the Society for Risk Analysis, 2024 (SCI-Expanded)
- A computationally efficient sequential regression imputation algorithm for multilevel data**

Akkaya Hocagil T., Yucel R. M.

Journal of Applied Statistics, cilt.51, sa.11, ss.2258-2278, 2024 (SCI-Expanded)

- V. **Bayesian modelling of effects of prenatal alcohol exposure on child cognition based on data from multiple cohorts**  
Dang K., Ryan L. M., Hocagil T., Cook R. J., Richardson G. A., Day N. L., Coles C. D., Olson H. C., Jacobson S. W., Jacobson J. L.  
AUSTRALIAN & NEW ZEALAND JOURNAL OF STATISTICS, cilt.65, sa.3, ss.167-186, 2023 (SCI-Expanded)
- VI. **Comparison of examination techniques of anterior and posterior compartments of the leg for the diagnosis of deep vein thrombosis: A new examination technique**  
Hocagil A. C., Hocagil H., Coskun Sungur E., Yardimci Yar N., Akkaya Hocagil T.  
VASCULAR, cilt.31, sa.3, ss.526-532, 2023 (SCI-Expanded)
- VII. **Electrical properties are strong predictors of post-yield mechanical properties of human cortical bone**  
Unal M., Akkaya-Hocagil T.  
JOURNAL OF BONE AND MINERAL RESEARCH, ss.116, 2023 (SCI-Expanded)
- VIII. **Bayesian outcome selection modeling**  
Dang K., Ryan L. M., Cook R. J., Akkaya Hocagil T., Jacobson S. W., Jacobson J. L.  
STAT, sa.1, 2023 (SCI-Expanded)
- IX. **A hierarchical meta-analysis for settings involving multiple outcomes across multiple cohorts**  
Akkaya Hocagil T., Ryan L. M., Cook R. J., Jacobson S. W., Richardson G. A., Day N. L., Coles C. D., Carmichael Olson H., Jacobson J. L.  
STAT, cilt.11, sa.1, 2022 (SCI-Expanded)
- X. **Meta-analysis: Methods for health and experimental studies**  
Akkaya-Hocagil T.  
BIOMETRICS, sa.1, ss.414, 2022 (SCI-Expanded)
- XI. **Propensity score analysis for a semi-continuous exposure variable: a study of gestational alcohol exposure and childhood cognition**  
Hocagil T., Cook R. J., Jacobson S. W., Jacobson J. L., Ryan L. M.  
JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY, cilt.184, sa.4, ss.1390-1413, 2021 (SCI-Expanded)
- XII. **Effects of prenatal alcohol exposure on cognitive and behavioral development: Findings from a hierarchical meta-analysis of data from six prospective longitudinal US cohorts**  
Jacobson J. L., Akkaya-Hocagil T., Ryan L. M., Dodge N. C., Richardson G. A., Olson H. C., Coles C. D., Day N. L., Cook R. J., Jacobson S. W.  
ALCOHOL-CLINICAL AND EXPERIMENTAL RESEARCH, cilt.45, sa.10, ss.2040-2058, 2021 (SCI-Expanded)
- XIII. **A Multicomponent Approach to Evaluating a Pre-exposure Prophylaxis (PrEP) Implementation Program in Five Agencies in New York**  
Parisi D., Warren B., Leung S. J., Akkaya-Hocagil T., Qin Q., Hahn I., Stevens L.  
JANAC-JOURNAL OF THE ASSOCIATION OF NURSES IN AIDS CARE, cilt.29, sa.1, ss.10-19, 2018 (SCI-Expanded)
- XIV. **Utility of Capture-Recapture Methodology to Estimate Prevalence of Congenital Heart Defects Among Adolescents in 11 New York State Counties: 2008 to 2010**  
Akkaya-Hocagil T., Hsu W., Sommerhalter K., McGarry C., Van Zutphen A.  
BIRTH DEFECTS RESEARCH, cilt.109, sa.18, ss.1423-1429, 2017 (SCI-Expanded)
- XV. **Proximity to Pediatric Cardiac Surgical Care among Adolescents with Congenital Heart Defects in 11 New York Counties**  
Sommerhalter K. M., Insaf T. Z., Akkaya-Hocagil T., McGarry C. E., Farr S. L., Downing K. F., Lui G. K., Zaidi A. N., Van Zutphen A. R.  
BIRTH DEFECTS RESEARCH, cilt.109, sa.18, ss.1494-1503, 2017 (SCI-Expanded)
- XVI. **A prospective study: Is handheld micropower impulse radar technology (Pneumoscan) a promising method to detect pneumothorax?**  
Hocagil H., HOCAGIL A. C., KARACABEY S., AKKAYA T., ŞİMŞEK G., SANRI E.

Ulusal Travma ve Acil Cerrahi Dergisi, cilt.21, sa.5, ss.344-351, 2015 (SCI-Expanded)

- XVII. **Routine HIV Testing Capacity, Practices, and Perceptions Among School-Based Health Center Providers in New York State After Enactment of the 2010 Amended HIV Testing Law**  
Ortega-Peluso C., Akkaya-Hocagil T., Leung S. J., Rowe K. A., Zielinski M., Tallon T., Smith L. C.  
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES, cilt.68, 2015 (SCI-Expanded)
- XVIII. **Correlates of Routine HIV Testing Practices: A Survey of New York State Primary Care Physicians, 2011**  
Zielinski M., Leung S. J., Akkaya-Hocagil T., Rowe K. A., Ortega-Peluso C., Smith L. C.  
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES, cilt.68, 2015 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Use of Generalized Propensity Scores for Assessing Effects of Multiple Exposures**  
Li K., Akkaya-Hocagil T., Cook R. J., Ryan L. M., Carter R. C., Dang K., Jacobson J. L., Jacobson S. W.  
STATISTICS IN BIOSCIENCES, cilt.16, sa.2, ss.347-376, 2024 (ESCI)
- II. **A dose-response analysis of the effects of prenatal alcohol exposure on cognitive development.**  
Jacobson J. L., Akkaya Hocagil T., Jacobson S. W., Coles C. D., Richardson G. A., Olson H. C., Day N. L., Carter R. C., Dodge N. C., Dang K., et al.  
Alcohol, clinical & experimental research, cilt.48, sa.4, ss.623-639, 2024 (Scopus)
- III. **Meta-analysis on studies with heterogeneous and partially observed covariates.**  
Akkaya Hocagil T., Hwang H., Jacobson J. L., Jacobson S. W., Ryan L. M.  
JBI evidence synthesis, cilt.22, sa.3, ss.413-433, 2024 (ESCI)
- IV. **Detection of rhabdomyolysis in patients admitted to emergency department due to drug overdose as a suicide attempt: A prospective original clinical study İntihar Amaçlı İlaç Alimi Nedeni ile Acil Servise Başvuran Hastalarda Rabdomiyolizin Araştırılması: Prospektif Orijinal Klinik çalışma**  
Hocagil H., Izci F., Hocagil A. C., Tatli M., Sözen S., Akkaya Hocagil T.  
Turkiye Klinikleri Journal of Medical Sciences, cilt.39, sa.3, ss.237-244, 2019 (Scopus)
- V. **The Knowledge Levels of Emergency Physicians: Whom to Care About? Physicians or Patients?**  
HOCAGİL A. C., Hocagil H., AKKAYA T.  
Eurasian Journal of Emergency Medicine, cilt.13, sa.4, ss.187-193, 2014 (Hakemli Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Benchmark dose profiles for bivariate exposures**  
Akkaya Hocagil T., Ryan L., Cook R., Jacobson S., Jacobson J.  
26th International Conference on Computational Statistics, Giessen, Almanya, 27 - 30 Ağustos 2024, ss.1
- II. **Benchmark dose contours for bivariate exposures via generalized additive models**  
Akkaya Hocagil T., Cook R., Carter C., Jacobson S., Jacobson J., Ryan L.  
ENAR Spring Meeting 2023, Tennessee, Amerika Birleşik Devletleri, 19 - 23 Mart 2023, ss.5-6
- III. **Propensity score analysis for a semi-continuous exposure variable: a study of gestational alcohol exposure and childhood cognition**  
Akkaya Hocagil T., Cook R., Jacobson S., Jacobson J., Ryan L.  
Canadian Society for Epidemiology and Biostatistics, Toronto, Kanada, 1 - 03 Haziran 2021, ss.7
- IV. **Handling missing and mis-specified covariates in an epidemiological cohort study**  
Akkaya Hocagil T., Ryan L., Jacobson S., Jacobson J.  
International Society of Clinical Biostatistics, Melbourne, Avustralya, 26 - 30 Ağustos 2019, ss.1
- V. **Multiple Imputation Inference for Ordinal Clustered Data Using the Computationally Efficient Sequential Regression Imputation Method**  
Akkaya Hocagil T., Yucel R.

## Desteklenen Projeler

Akkaya Hocagil T., Dang K., Jacobson J. L., Carter R. C., Jacobson S. W., Ryan L. M., Cook R. J., Diğer Uluslararası Fon Programları, The development and application of innovative biostatistical methodology for the study of prenatal alcohol exposure and its effect on cognitive and behavioural deficits in children, 2023 - 2026

## Bilimsel Kuruluşlardaki Üyelikler / Görevler

The International Statistical Institute, Üye, 2024 - Devam Ediyor , Hollanda  
Uluslararası Biyometrik Topluluğu, Üye, 2018 - Devam Ediyor , Amerika Birleşik Devletleri

## Bilimsel Hakemlikler

Turkish Journal of Physical Medicine and Rehabilitation, Hakemli Bilimsel Dergi, Eylül 2024  
JBI evidence synthesis, ESCI Kapsamındaki Dergi, Ocak 2023  
RESEARCH SYNTHESIS METHODS, SCI-E Kapsamındaki Dergi, Mart 2022  
STATISTICS IN MEDICINE, SCI-E Kapsamındaki Dergi, Şubat 2021

## Metrikler

Yayın: 28  
Atıf (WoS): 90  
Atıf (Scopus): 98  
H-İndeks (WoS): 5  
H-İndeks (Scopus): 5

## Davetli Konuşmalar

Detroit boylamsal kohort çalışmasında eksik ve yanlış tanımlanmış ortak değişkenlerin ele alınması, Seminer, Sydney Teknoloji Üniversitesi, Avustralya, Eylül 2018

## Ödüller

Akkaya Hocagil T., The Canadian Society of Epidemiology & Biostatistics Highest Ranking Abstract, Canadian Society For Biostatistics And Epidemiology, Temmuz 2021

## Akademi Dışı Deneyim

Kamu Kurumu, New York Eyaleti Sağlık Bakanlığı, Çevre ve İş Sağlığı Burosu  
Kamu Kurumu, New York Eyaleti Sağlık Bakanlığı, AIDS Enstitüsü