

# **Asst. Prof. TUĞBA AKKAYA HOCAGİL**

## **Personal Information**

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## **International Researcher IDs**

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Yoksis Researcher ID: 394316

## **Education Information**

Post Doctorate, University of Waterloo, Canada 2019 - 2022  
Post Doctorate, Harvard University, Harvard School of Public Health, United States Of America 2018 - 2019  
Doctorate, State University of New York at Albany, United States Of America 2011 - 2017  
Postgraduate, University of Massachusetts Amherst, United States Of America 2009 - 2011  
Undergraduate, Ege University, Turkey 2001 - 2006

## **Research Areas**

Health Sciences, Natural Sciences

## **Academic Titles / Tasks**

Assistant Professor, Ankara University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2023 - Continues  
Lecturer, University of Waterloo, 2023 - 2023  
Lecturer, State University of New York at Albany, 2018 - 2018

## **Courses**

Sampling and Experimental Design, Undergraduate, 2022 - 2023  
Analysis of Categorical Data, Postgraduate, 2017 - 2018

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

### **I. 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)

### **II. 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, vol.65, no.3, pp.167-186, 2023 (SCI-Expanded)
- III. 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, vol.31, no.3, pp.526-532, 2023 (SCI-Expanded)
- IV. 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, pp.116, 2023 (SCI-Expanded)
- V. A computationally efficient sequential regression imputation algorithm for multilevel data**  
Akkaya Hocagil T., Yucel R. M.  
Journal of Applied Statistics, 2023 (SCI-Expanded)
- VI. Bayesian outcome selection modeling**  
Dang K., Ryan L. M., Cook R. J., Akkaya Hocagil T., Jacobson S. W., Jacobson J. L.  
STAT, no.1, 2023 (SCI-Expanded)
- VII. 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, vol.11, no.1, 2022 (SCI-Expanded)
- VIII. Meta-analysis: Methods for health and experimental studies**  
Akkaya-Hocagil T.  
BIOMETRICS, no.1, pp.414, 2022 (SCI-Expanded)
- IX. 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, vol.184, no.4, pp.1390-1413, 2021 (SCI-Expanded)
- X. 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, vol.45, no.10, pp.2040-2058, 2021 (SCI-Expanded)
- XI. 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, vol.29, no.1, pp.10-19, 2018 (SCI-Expanded)
- XII. 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, vol.109, no.18, pp.1423-1429, 2017 (SCI-Expanded)
- XIII. 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, vol.109, no.18, pp.1494-1503, 2017 (SCI-Expanded)
- XIV. İleriye yönelik bir çalışma: Taşınabilir micropower impulse radar teknolojisi (Pneumoscan) pnömotoraks tanısında umut veren bir metot mudur?**  
Hocagil H., HOCAGİL A. C., KARACABEY S., AKKAYA T., ŞİMŞEK G., SANRI E.  
Ulusal Travma ve Acil Cerrahi Dergisi, vol.21, no.5, pp.344-351, 2015 (SCI-Expanded)
- XV. 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, vol.68, 2015 (SCI-Expanded)
- XVI. **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, vol.68, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **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, vol.22, no.3, pp.413-433, 2024 (ESCI)
- II. **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, 2023 (ESCI)
- III. **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 Alımı Nedeni ile Acil Servise Başvuran Hastalarda Rabdomiyolizin Araştırılması: Prospektif Orijinal Klinik çalışma  
Hocagil H., Izci F., Hocagil A. C., Tatlı M., Sözen S., Akkaya Hocagil T.  
Turkiye Klinikleri Journal of Medical Sciences, vol.39, no.3, pp.237-244, 2019 (Scopus)
- IV. **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, vol.13, no.4, pp.187-193, 2014 (Peer-Reviewed Journal)

## Memberships / Tasks in Scientific Organizations

International Biometric Society, Member, 2018 - Continues, United States Of America

## Scientific Refereeing

JBI evidence synthesis, Journal Indexed in ESCI, January 2023  
RESEARCH SYNTHESIS METHODS, Journal Indexed in SCI-E, March 2022  
STATISTICS IN MEDICINE, Journal Indexed in SCI-E, February 2021

## Metrics

Publication: 20  
Citation (WoS): 73  
Citation (Scopus): 74  
H-Index (WoS): 5  
H-Index (Scopus): 5

## Invited Talks

Handling missing and misspecified covariates in the Detroit longitudinal cohort study , Seminar, University of Technology Sydney, Australia, September 2018

## **Non Academic Experience**

State Agency, New York State Department of Health, Bureau of Environmental and Occupational Health  
State Agency, New York State Department of Health, AIDS Institute, Office of Program Evaluation and Research