

## Asst. Prof. ESMA BİRİŞÇİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-7620-2021

ScopusID: 56653453400

Yoksis Researcher ID: 268764

### Education Information

Doctorate, University of Missouri-Columbia, Industrial And Manufacturing System Engineering, United States Of America  
2012 - 2016

Postgraduate, University of Missouri-Columbia, İstatistik, United States Of America 2010 - 2011

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, İstatistik Ve Bilgisayar Bilimleri Bölümü, Turkey  
2003 - 2007

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, OPTIMIZING PRODUCTION AND INVENTORY DECISIONS AT ALL-YOU-CARE-TO-EAT FACILITIES, University of Missouri - Columbia, IMSE, 2021

### Research Areas

Social Sciences and Humanities, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, İKTİSADİ VE İDARİ BİLİMLER FAKÜLTESİ, EKONOMETRİ, 2017 - Continues

### Courses

Undergraduate

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

- I. **Snakebites and resource utilization in pediatric urban and rural populations in the United States: 2016-2023**  
Jeffries K., Sanders S. C., Ekdahl R., Williford D. E., Taylor M., Fisher C., Filipek J., Slagle B., BİRİŞÇİ E., Cantu R. M.  
INJURY EPIDEMIOLOGY, vol.12, no.1, 2025 (SCI-Expanded)
- II. **Patient Factors Associated with Access to Outpatient Pediatric General Surgical Care in a Rural State**  
Krinock D. J., BİRİŞÇİ E., Wyrick D. L., Maxson R. T., Dassinger M. S., Wolf L. L.  
Journal of Pediatric Surgery, vol.60, no.1, 2025 (SCI-Expanded)
- III. **Blueberry-added black tea: Effects of infusion temperature, drying method, fruit concentration on the iron-polyphenol complex formation, polyphenols profile, antioxidant activity, and sensory properties**  
Dasdemir Y., Findik B. T., Yildiz H., BİRİŞÇİ E.  
Food Chemistry, vol.410, 2023 (SCI-Expanded)
- IV. **PROVIDER'S PERCEPTION OF PARENTAL ANXIETY IN THE PEDIATRIC INTENSIVE CARE UNIT**  
Aljabari S., BİRİŞÇİ E., Kummerfeld F.  
CRITICAL CARE MEDICINE, vol.51, no.1, pp.327, 2023 (SCI-Expanded)
- V. **Cost-versus environmentally-optimal production in institutional food service operations**  
Birisci E., McGarvey R. G.  
SOCIO-ECONOMIC PLANNING SCIENCES, vol.82, 2022 (SCI-Expanded)
- VI. **Optimal production planning utilizing leftovers for an all-you-care-to eat food service operation**  
Birisci E., McGarvey R. G.  
JOURNAL OF CLEANER PRODUCTION, vol.171, pp.984-994, 2018 (SCI-Expanded)
- VII. **Achieving Sustainability beyond Zero Waste: A Case Study from a College Football Stadium**  
Costello C., McGarvey R. G., Birisci E.  
SUSTAINABILITY, vol.9, no.7, 2017 (SCI-Expanded)
- VIII. **Inferring shortfall costs and integrating environmental costs into optimal production levels for an all-you-care-to-eat food service operation**  
Birisci E., McGarvey R. G.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.182, pp.157-164, 2016 (SCI-Expanded)
- IX. **Food waste in campus dining operations: Inventory of pre- and post-consumer mass by food category, and estimation of embodied greenhouse gas emissions**  
Costello C., Birisci E., McGarvey R. G.  
RENEWABLE AGRICULTURE AND FOOD SYSTEMS, vol.31, no.3, pp.191-201, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Improving Pediatric Hypertension Screening in an Academic Primary Care Setting**  
Tas V., BİRİŞÇİ E., Jones R. A., Forbus J. J., Blaszkak R. T., Crawford B., Ilyas M., Magee J. S., Sisterhen L. L.  
PEDIATRIC QUALITY & SAFETY, vol.9, no.4, 2024 (ESCI)
- II. **AN INVESTIGATION OF THE ACE INHIBITORY ACTIVITY, ANTIOXIDANT CAPACITY, AND PHYTOCHEMICAL CONSTITUENTS OF POLAR AND NON-POLAR EXTRACTS OF ZIZIPHUS JUJUBA FRUIT: STATISTICAL SCREENING THE MAIN COMPONENTS RESPONSIBLE FOR BIOACTIVITY**  
FINDIK B. T., Yildiz H., Birisci E., Yiğitkan S., Koseoglu Yilmaz P., Ertas A.  
GIDA, vol.49, no.3, pp.554-566, 2024 (Peer-Reviewed Journal)
- III. **Improving Pediatric Clostridioides difficile Testing Practices: Implementation of a 2-Tier Diagnostic Pathway**

- Sylvester S., Fisher C., Dalabih A., Marrero E., Sietsema L., Honeycutt M. D., Boyanton B. L., Birişçi E., Slagle B.  
JAPA Academy Journal, vol.1, no.3, pp.1-5, 2023 (Peer-Reviewed Journal)
- IV. **Provider's Perception of Parental Anxiety in the Pediatric Intensive Care Unit**  
Aljabari S., BİRİŞÇİ E., Kummerfeld F.  
CUREUS JOURNAL OF MEDICAL SCIENCE, vol.14, no.8, 2022 (ESCI)
- V. **Household water consumption behavior during the COVID-19 pandemic and its relationship with COVID-19 cases**  
BİRİŞÇİ E., ÖZ R.  
Environmental Research and Technology, vol.4, no.4, pp.391-397, 2021 (Scopus)
- VI. **Simio ile çalışma stratejilerinin müşteri memnuniyeti üzerindeki etkisinin benzetimi: Banka Örneği**  
BİRİŞÇİ E.  
Erciyes Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.0, no.60, pp.235-258, 2021 (Peer-Reviewed Journal)
- VII. **PRICE DISCRIMINATION FOR TOPKAPI PALACE MUSEUM IN TURKEY: VIP OR REGULAR ENTRANCE**  
BİRİŞÇİ E., SEZEN H. K.  
Pamukkale Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, vol.0, pp.131-143, 2021 (Peer-Reviewed Journal)
- VIII. **Is Orally Administered Pentobarbital a Safe and Effective Alternative to Chloral Hydrate for Pediatric Procedural Sedation?**  
Anderson J., Dalabih S., BİRİŞÇİ E., Dalabih A.  
The Journal of Pediatric Pharmacology and Therapeutics, vol.23, no.6, pp.460-465, 2018 (Scopus)
- IX. **Gastric volume and its relationship to underlying pathology or acid-suppressing medication**  
Wittgrove C., BİRİŞÇİ E., Kantor J., Dalabih A.  
Anesthesia: Essays and Researches, vol.11, no.4, pp.881, 2017 (Peer-Reviewed Journal)
- X. **Intranasal Dexmedetomidine as a Sedative for Pediatric Procedural Sedation**  
Behrle N., BİRİŞÇİ E., Anderson J., Schroeder S., Dalabih A.  
The Journal of Pediatric Pharmacology and Therapeutics, vol.22, no.1, pp.4-8, 2017 (Scopus)
- XI. **The risk of shorter fasting time for pediatric deep sedation**  
Clark M., BİRİŞÇİ E., Anderson J., Anliker C., Bryant M., Downs C., Dalabih A.  
Anesthesia: Essays and Researches, vol.10, no.3, pp.607, 2016 (Peer-Reviewed Journal)
- XII. **Pediatric Residents' Critical Care Training and the Challenge of the New Accreditation Council for Graduate Medical Education Guidelines**  
Kristin K., BİRİŞÇİ E., Craig D., Abdallah D., Megan B.  
Austin Journal of Emergency and Critical Care Medicine, vol.2, no.1, pp.1009, 2015 (Peer-Reviewed Journal)

## Books

- I. **Synthetic Data for Deep Learning: Generate Synthetic Data for Decision Making and Applications with Python and R**  
GÜRSAKAL N., ÇELİK S., BİRİŞÇİ E.  
Apress, New York, 2022

## Papers Published in Refereed Scientific Meetings

- I. **Topkapı Sarayı Müzesinde Fiyat Farklılaştırması: VIP ya da Sıradan Giriş**  
SEZEN H. K., BİRİŞÇİ E.  
XIX. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu (EYİ), 17 - 20 October 2018
- II. **Production and Leftovers Usage Policies to Minimize Food waste under Uncertain and Correlated Demand**  
BİRİŞÇİ E., McGarvey R.

20th International Conference on Operations Research, 15 - 16 March 2018

- III. **IS ORAL PHENOBARBITAL A SAFE AND EFFECTIVE ALTERNATIVE TO ORAL CHLORAL HYDRATE?**  
Patel S., Anderson J., BİRİŞÇİ E., Smith M., Dalabih A.  
CRITICAL CARE MEDICINE, Honolulu, 21 - 25 January 2017
- IV. **576: Gastric fluid volume is not effected by underlying pathology or acid-suppressing medication**  
Wittgrove C., Anderson J., BİRİŞÇİ E., Kantor J., Burnett K., Dalabih A.  
Critical Care Medicine, 21 - 25 January 2017, vol.44, pp.220
- V. **Production Planning to Reduce Environmental Impacts of Food Waste in a Campus Dining Services**  
BİRİŞÇİ E., McGarvey R.  
POMS 2016 Annual Conference, 6 - 09 May 2016
- VI. **Alternative Methods for Calculating Optimal Safety Stock Levels**  
McGarvey R., Noble J., BİRİŞÇİ E., Mirzaee A., Junker C., Atkinson S. R.  
CELDI Spring 2016, 5 - 06 April 2016
- VII. **Dynamic Programming to Reduce Environmental Impacts of Food Waste at Campus Dining Services.**  
BİRİŞÇİ E., Ronald M.  
INFORMS Annual Meeting, 1 - 04 November 2015
- VIII. **Reducing Discrepancies Between Production and Shipment Planning**  
McGarvey R., Noble J., BİRİŞÇİ E., Rueda V., Junker C., Atkinson S.  
CELDI Fall 2015, Chicago, United States Of America, 28 October 2015
- IX. **Reducing Discrepancies Between Production and Shipment Planning**  
McGarvey R., Noble J., BİRİŞÇİ E., Rey V. R., Junker C., Atkinson S. R.  
CELDI Fall 2015, 28 - 29 October 2015
- X. **Food Waste in Campus Dining Operations: Inventory of Pre- and Post-Consumer Mass by Food Category, and Estimation of Embodied Greenhouse Gas Emissions**  
Costello C., BİRİŞÇİ E., McGarvey R.  
International Symposium on Sustainable Systems and Technology, 18 - 20 May 2015
- XI. **Environmental Impacts of Overproduction Food Waste at Campus Dining Services**  
BİRİŞÇİ E., McGarvey R., Costello C.  
International Symposium on Sustainable Systems and Technology, 18 - 20 May 2015
- XII. **Dynamic Programming to Reduce Environment Impacts of Food Waste at Campus Dining Services**  
BİRİŞÇİ E., Ronald M.  
POMS 2015 Annual Conference, 8 - 11 May 2015
- XIII. **375: Decreased Airway Complications With Glycopyrrolate Prophylaxis For Endoscopy: A Prospective Trial.**  
Prunty M., Wankum P., BİRİŞÇİ E., Anderson J., Dalabih A.  
Critical Care Medicine, 20 - 24 February 2016, vol.43, pp.95
- XIV. **664: Intranasal Dexmedetomidine as a Primary Pediatric Procedural Sedation Medication**  
Behrle N., BİRİŞÇİ E., Anderson J., Schroeder S., Dalabih A.  
Critical Care Medicine, 17 - 21 January 2015, vol.42, pp.1520
- XV. **661: FASTING FOR PEDIATRIC PROCEDURAL SEDATION AND THE RISK OF COMPLICATIONS.**  
Clark M., BİRİŞÇİ E., Anliker C., Rempfer B., Dalabih A., Wankum P.  
Critical Care Medicine, 17 - 21 January 2015, vol.42, pp.1519
- XVI. **Dynamic Programming to Reduce Food Waste at Campus Dining Services**  
BİRİŞÇİ E., McGarvey R.  
INFORMS Annual Meeting, 9 - 12 November 2014

## Metrics

Publication: 38

Citation (WoS): 51

Citation (Scopus): 82

H-Index (WoS): 4

H-Index (Scopus): 4

## **Non Academic Experience**

University of Missouri Child Health-Scholl of Medicine Neurology , Istatistikci