

*Curriculum Vitae*



LinkedIn Profile

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**EDUCATION:**

**Doctor of Philosophy– December 2013**

Administration-Health Services  
The University of Alabama at Birmingham

**Master of Accounting (MAcc) – December 2019**

The University of Alabama at Birmingham

**Master of Business Administration (MBA) –August 2004**

Concentration: **Finance**  
The University of Alabama at Birmingham

**Bachelor of Science – September 1999**

Business Administration  
The University of Istanbul

**Positions Held at the University of Alabama at Birmingham (UAB):**

- |              |   |
|--------------|---|
| <b>2021-</b> | <b>Tenured Associate Professor</b><br>Department of Health Services Administration<br>School of Health Professions  |
| <b>2014-</b> | <b>Tenure-Track Assistant Professor</b><br>Department of Health Services Administration<br>School of Health Professions   |
| <b>2015-</b> | <b>Scientist</b> (Secondary appointment)<br>Department of Electrical and Computer Engineering<br>Integrated Systems and Big Data Research Center<br>School of Engineering |

**2013 - 2014** **Adjunct/Assistant Professor (pre tenure clock)**  
Department of Health Services Administration  
Health Care Management Program  
School of Health Professions

**2011 – 2012** **International Recruitment Counselor**  
Office of Enrollment Management

**2004 – 2013** **Financial Officer/Business Officer**  
UABHS (UAB Health System)  
Hospital Facilities Planning and Capital Projects/  
University Hospital Financial Management

**Positions Held International:**

**2020-Present** **Adjunct Faculty**  
School of Health and Environmental Studies  
Health Care Management Program  
Hamdan Bin Mohammed Smart University, Dubai, UAE

**2012 – 2013** **Advisor / Educator**  
Turkish Ministry of Health,  
e-SKS Akademi  
(Electronic- Health Quality Standards Academy)

**AWARDS:**

- UAB 2018 Graduate School Dean's Mentorship Award
- UAB BS in Health Care Management 2016 Faculty Honoree (for Teaching Excellence)
- Best Paper Award, **Zengul, F., & Ozaydin, B.,** *High Technology Services and 30 Day Mortality Rates in American Hospitals*.5th International Conference on Healthcare Quality and Performance, November 20-22, 2014 Antalya, Turkey
- Best Paper Award Nominee. **Zengul, F. D.,** 2014. *A Longitudinal Analysis of High Technology Medical Services and Hospital Financial Performance*. Academy of Management Annual Meeting August 1-5, 2014, Philadelphia, Pennsylvania

**CERTIFICATES:**

- CRCR-Certified Revenue Cycle Representative (Since 2018), Healthcare Financial Management Association (HFMA).
- CMA Program- Scheduled to take the CMA Exam in January-February 2022 (Part 1 &2).

## **PUBLICATIONS:**

### **Accounting, Finance, and Data/Text Analytics Focused Peer-Reviewed Publications**

\*Asterisks indicate this co-author was a doctoral student and/or a mentee under my guidance

12. **Zengul, F.D.**, \*Oner, N., Byrd, J.D. and Savage, A. (2021), *Revealing Research Themes and Trends in 30 Top-ranking Accounting Journals: A Text-mining Approach*. **ABACUS**. <https://doi.org/10.1111/abac.12214>
11. **Zengul, F.D.**, Messina, F., Messina, M.M., *Topics and Trends in the CPA Journal (1993-2020): A Text Mining Analysis* (2021) **The CPA Journal**. <https://www.cpajournal.com/2021/01/05/topics-and-trends-in-the-cpa-journal-1993-2020-web-exclusive/>
10. Cinarogly, S., & **Zengul, F.D.**, *Interrelated Factors with Hospital Financial Performance from Hospital Managers' Perspective*. **Journal of Health Care Finance**, Vol. 46, No. 2, FALL 2019
9. \*Ghiasi, A., Weech-Maldonado, R., Hearld, L. R., **Zengul, F.D.**, Rsulnia, M., & Puro, N. *The Moderating Effect of Environmental Instability on the Hospital Strategy-Financial Performance Relationship*. **Journal of Health Care Finance**, Vol. 46, No. 2, FALL 2019
8. \*Oner, N., **Zengul, F.D.**, Ozaydin, B. Hearld, L. R., Weech-Maldonado, R. *Hospital Competition, and Financial Performance: A Meta-Analytic Approach*. **Journal of Health Care Finance**, Vol. 46, No. 2, FALL 2019
7. Ramamonjiarivelo, Z.; Weech-Maldonado, R.; McRoy, L.; Epané, J.; **Zengul, F.**; Hearld, L. *Do Medicare and Medicaid Payer-mix Change after the Privatization of Public Hospitals?* December 2019 **Medical Care Research and Review** DOI:10.1177/1077558719894495
6. **Zengul, F. D.**, Byrd Jr, J. D., \*Oner, N., Edmonds, M., & Savage, A. (2019). Exploring corporate governance research in accounting journals through latent semantic and topic analyses. **Intelligent Systems in Accounting, Finance, and Management**, 26(4), 175-192.
5. \*Asagbra, O. E., **Zengul, F. D.**, & Burke, D. (2019). *Patient Engagement Functionalities in U.S. Hospitals: Is Early Adoption Associated With Financial Performance?* **Journal of Healthcare Management**, 64(6), 381-396.
4. **Zengul, F. D.**, Weech-Maldonado, R. Ozaydin, B., O'Connor S.J., & Patrician, PA 2018. *Longitudinal Analysis of High Technology Medical Services and Hospital Financial Performance*. **Healthcare Management Review** PMID: 27467169 DOI: 10.1097/HMR.0000000000000124
3. \*Ghiasi, A., **Zengul, F.D.**, \*Oner, N., Ozaydin, B. & Breland, B.K. *The Impact of Hospital Competition on Strategies and Outcomes of Hospitals: A Systematic Review of the U.S. Hospitals 1996-2016.*, Fall 2017, **Journal of Healthcare Finance**, Special Features <http://healthfinancejournal.com/~junland/index.php/johcf/article/view/142>

2. \*Barnes, M., \*Oner, N., Ray, M. & **Zengul, F.D.** *Exploring the Association between Quality and Financial Performance in U.S. Hospitals: A Systematic Review.*, Fall 2017, **Journal of Healthcare Finance Special Features**  
<http://www.healthfinancejournal.com/~junland/index.php/johcf/article/view/144/148>
1. \*Oner, N., **Zengul, F.D.**, Ozaydin, B., \*Pallotta, R.A., & Weech-Maldonado, R. 2016 *Organizational and Environmental Factors Associated with Financial Performance of U.S. Hospitals: A Systematic Review*, **Journal of Health Care Finance**, 43(2), Fall 2016, P: 13-37  
<http://www.healthfinancejournal.com/index.php/johcf/article/view/100/104>

### **Health Services Research, Management, and Informatics Focused Peer-Reviewed Publications**

\*Asterisks indicate this co-author was a doctoral student and/or a mentee under my guidance

21. **Zengul, F.D.**, \*Oner, N., Ozaydin, B., Hall, A., Berner, E.S., Cimino, J., Lemak, CH, *Mapping Two Decades of Research in Health Services Research, Health Policy, and Health Economics Journals* (Conditional Acceptance-**Medical Care**)
20. Zengul, A., **Zengul F.D.**, \*Oner, N., Bozaydin, B., Fiveash J., *Identifying Research Themes and Trends in the Top 20 Cancer Journals through Textual Analysis* (Accepted **Cancer Policy**)
19. McRoy, L., Epane J. P., Ramamonjiarivelo, Z. H., **Zengul, F.D.**, Weech-Maldonado, R., & Rust, G. *Country of Birth and Cancer Diagnosis: Findings from the National Health and Nutrition Examination Survey (NHANES) 2011-2016* (Accepted **Cancer Causes & Control**)
18. **Zengul, F.D.**, Zengul, A. G., Mugavero, M., \*Oner, N., Ozaydin, B., Delen, D., ... & Cimino, J. (2021). *A critical analysis of COVID-19 research literature: Text mining approach.* **Intelligence-based medicine**, 100036.
17. **Zengul F.D.**, \*Oner N, O'Connor SJ, Borkowski N. (2021) *A text mining study of topics and trends in health care management journals: 1998-2018.* **Health Care Manage Rev.** 2021 Mar 3. doi: 10.1097/HMR.0000000000000311. Epub ahead of print. PMID: 33660666
16. \*Oner, B., **Zengul, F.D.**, \*Oner, N. & Ivankova, N., Karadag, A., Patrician, P.A. *Nursing-Sensitive Indicators for Nursing Care: A Systematic Review (1997-2017)*, **Nursing Open**, October 15, 2020, <https://doi.org/10.1002/nop2.654>
15. Ozaydin B, **Zengul F.D.**, \*Oner N, Feldman SS  
*Healthcare Research and Analytics Data Infrastructure Solution: A Data Warehouse for Health Services Research* **J Med Internet Res** 2020;22(6):e18579 URL:  
<https://www.jmir.org/2020/6/e18579>, DOI: 10.2196/18579, PMID: 32496199, PMCID: 7303827
14. \*Aydin, R., **Zengul, F.D.**, Quintana, J. and Ozaydin, B. (2020), "*Does Transparency of Quality Metrics Affect Hospital Care Outcomes? A Systematic Review of the Literature*", Hefner, J.L., Al-Amin, M., Huerta, T.R., Aldrich, A.M. and Griesenbrock, T.E. (Ed.) *Transforming Health*

Care (*Advances in Health Care Management*, Vol. 19), Emerald Publishing Limited, Bingley, pp. 129-156. <https://doi.org/10.1108/S1474-823120200000019012>

13. \*Modi S., Ozaydin, B., **Zengul F.D.**, & Feldman, S. 2019. *The emerging literature for the triad of health informatics, healthcare quality and safety, and healthcare simulation*. **Health Systems**. <https://doi.org/10.1080/20476965.2019.1687263>
12. \*Puro, N., \*Joseph, R., **Zengul, F. D.**, Cochran, K. J., Camins, B. C., & Ray, M. (2020). *Predictors of Hospital-Acquired Clostridioides difficile Infection: A Systematic Review*. **The Journal for Healthcare Quality (JHQ)**, 42(3), 127-135.
11. **Zengul F.D.**, Lee T, Delen D, Almehmi A, Ivankova NV, Mehta T, & Topuz K. (2019). *Research Themes and Trends in Ten Top-Ranked Nephrology Journals: A Text Mining Analysis*. American Journal of Nephrology. DOI: 10.1159/000504871
10. \*Sag I & **Zengul FD**, *Why medical tourists choose Turkey as a medical tourism destination?* **Journal of Hospitality and Tourism Insights**. Accepted for publication: September 17, 2018, DOI 10.1108/JHTI-05-2018-0031
9. Gupta, S., **Zengul, F. D.**, Davlyatov, G. K., & Weech-Maldonado, R. (2019). *Reduction in Hospitals' Readmission Rates: Role of Hospital-Based Skilled Nursing Facilities*. **INQUIRY: The Journal of Health Care Organization, Provision, and Financing**, 56, 0046958018817994.
8. Hamidi, S, Alzouebi, K., Akinci, F. & **Zengul, F.D.**, *Examining the association between educational attainment and life expectancy in MENA region: A panel data analysis*, International Journal of Health Planning and Management – Accepted July 4, 2018, DOI: 10.1002/hpm.2598
7. \*Sag, I., **Zengul, F.D.** & Landry A.Y. 2018. *A Systematic Review of Serviscape for Healthcare Organizations*, Journal of Healthcare Management, vol. 63, #2 March/April 2018
6. Ozaydin B, Houser SH, & **Zengul F.D.** *Tracking Journey of Electronic Health Data through Health Information Systems*. Journal of AHIMA / American Health Information Management Association 01(18):40-44 January 1, 2018
5. \*Topuz, K., **Zengul, F.D.**, Dag, A., Almehmi, A., & Yildirim, M. B. 2017. *Predicting graft survival among kidney transplant recipients: A Bayesian decision support model*. Decision Support Systems, 106, 97-109. DOI: <https://doi.org/10.1016/j.dss.2017.12.004>
4. Ozaydin, B., **Zengul, F.D.**, \*Oner, N. & Delen, D. 2017 *Text-Mining Analyses of mHealth Research*, mHealth, 3 (12), <http://mhealth.amegroups.com/article/view/17842>
3. Pinar, G., Knight C.C., Gaioso, V.P, Watts, P.I., Dailey, K.D., Britt, S.E., Carton, K.S, and **Zengul, F.D.**, 2015. *The Effects of High Fidelity Simulation on Nursing Students' Perceptions and Self-Efficacy of Obstetric Skills*. International Achieves of Nursing and Health Care, 1:008

2. **Zengul, F.D.**, Weech-Maldonado, R. & Savage, G.T., 2014. *Technological Innovations and Hospital Performance: A Systematic Review of the Literature*. Innovation and Entrepreneurship in Health, 1, 13-26 <https://doi.org/10.2147/IEH.S63131>
1. **Zengul, F.D.** & O'Connor, S. J. 2013. *A Review of Evidence-Based Design in Healthcare from Resource-Based Perspective*. The Journal of Management Policy and Practice, 14(2)

**Manuscripts Under Review:**

\*Asterisks indicate this co-author was a doctoral student and/or a mentee under my guidance

Ramamonjariavelo, Z., **Zengul, F.D.**, Hearld, L., Epane J. P., McRoy, L, Weech-Maldonado, R. *Does the Provision of High-Technology Health Services Change after the Privatization of Public Hospitals?* (Revise & resubmit 10/21/2020 Journal of Hospital Management and Health Policy)

\*Sag, I, **Zengul, F.D.** Avci, K., *Determining Public's Attitude on Medical Tourism in Turkey: A Scale Development Study* (R&R 9-23-2020 International Journal of Pharmaceutical and Healthcare Marketing)

\*Sag, I, **Zengul, F.D.** *Health Providers Competition in Medical Tourism and Expenditure Characteristics of Medical Tourists* (Under Review 9-23-2020 International Journal of Healthcare Management)

Sahinoglu, M., **Zengul, F.D.**, *CLOUD Computing Application to Hospital Healthcare Service Risk Assessment and Risk Management for Patient Care Quality in USA and Seven Randomly Selected States: A.L., AZ, GA, MI, PA, TX.* (R&R Informatics in Medicine Unlocked)

**Working Papers:**

\*Asterisks indicate this co-author was a doctoral student and/or a mentee under my guidance

**Zengul, F.D.**, \*Oner, N., Byrd, A. *A Textual Analysis of Elite and Practitioner Journals: Is Accounting's Research-Practice Gap Real or Perceived?* (Presented at AAA 2020, and Spark 2021-In preparation for Contemporary Accounting Research)

**Zengul, F.D.**, \*Oner Nurettin,& Hamrick J. *Developing the Empirical Map of Accounting Education Research using Topic Modeling* (Presented at AAA 2021, and Spark 2021-In preparation for Issues in Accounting Education)

**Zengul, F.D.**, Byrd J., Yates, S *Mapping Half a Century Peer-Reviewed Research on Corporate Governance using Topic Modeling (1970-2021)* (Presented at AAA 2020, and SET section workshop- In preparation for The Accounting Review)

Turk, M., \*Oner, N., **Zengul, F.D.**, A. *Predicting Financial Failure of Public Teaching Hospitals: An Application of Fuzzy Clustering Analysis* (Presented at AAA 2021 and Spark 2021-In preparation for Journal of Information Systems)

\*Oner, N., Agirbas, I., **Zengul, F.D.**, A. *Evaluation of the Financial Distress of Hospitals with Data Mining* (Presented at AAA 2021- In preparation for Journal of Information Systems)

Murphy, P. J., Pittz, T., \*Oner, N., & **Zengul, F.D.** Mapping the Literature in Six Major Entrepreneurship Journals: A Text Mining Approach. (In preparation for Journal of Business Venturing)

**Zengul, F.D.**, Ozaydin, B., Ramamonjiarivelo, Z., Epame J. P., McRoy, L., & Weech-Maldonado, R. *Comparison of the Measures of High-Tech Medical Services and their Impact on Hospital Expenses* (In preparation for Health Services Research)

Epame J. P., Ramamonjiarivelo, Z., **Zengul, F.D.**, McRoy, L., Weech-Maldonado, R. *The Impact of Hospitalists on Inpatient Hospital Experience*. (In preparation for Healthcare Management Research and Review)

### **Peer-Reviewed Conference Proceedings and Posters:**

\*Asterisks indicate this co-author was a doctoral student and/or a mentee under my guidance (n=24)

Accepted Conference Presentations.

53. Epame JP, **Zengul, F.**, McRoy L, Ramamonjiarivelo Z., & Weech-Maldonado, R. *Assessing the Relationship Between Resources Availability and COVID19 Mortality Among US Counties*. Paper Presentation at the **Academy of Management** August 2021 Annual Research Meeting, Virtual. August 3, 8:30 AM EDT

52. **Zengul, F.D.**, Byrd J., & Yates S. *Mapping Half a Century Peer-Reviewed Research on Corporate Governance using Topic Modeling (1970-2021)* Paper Presentation at the **American Accounting Association** Annual Meeting, August 2-6, 2021 Virtual. August 4, 7:00 AM EDT

51. \*Oner, N., Agirbas, I., **Zengul, F.D.** *Evaluation of Financial Distress of Hospitals with Data Mining*. Paper Presentation at the **American Accounting Association** Annual Meeting, August 2-6, 2021 Virtual. August 4, 7:00 AM EDT

50. \*Oner N., **Zengul, F.D.**, & Hamrick J. *Developing the Empirical Map of Accounting Education Research using Topic Modeling* Paper Presentation at the **American Accounting Association** Annual Meeting, August 2-6, 2021 Virtual. August 4, 7:00 AM EDT

49. \* Turk, M., \*Oner, N., **Zengul, F.D.**, *Predicting Financial Failure of Public Teaching Hospitals: An Application of Fuzzy Clustering Analysis*, Paper Presentation at the **American Accounting Association** Annual Meeting, August 2-6, 2021 Virtual. August 4, 7:00 AM EDT

48. **Zengul, F.D.**, Byrd J., & Yates S. *Mapping Half a Century Peer-Reviewed Research on Corporate Governance using Topic Modeling (1970-2021)* Paper Presentation at the 30<sup>th</sup> **Strategic and**

**Emerging Technologies (SET) Workshop** Virtual, the **American Accounting Association** Annual Meeting,. July 29, 11:28 AM EDT

47. \*Oner N., **Zengul, F.D.**, & Hamrick J. *Developing the Empirical Map of Accounting Education Research using Topic Modeling*, Paper Presentation at the **American Accounting Association** Spark Regions Meeting, May 24-26,2021 Virtual., May 24, 12:30 PM EDT
46. \* Turk, M., \*Oner, N., **Zengul, F.D.**, *Predicting Financial Failure of Public Teaching Hospitals: An Application of Fuzzy Clustering Analysis*, Paper Presentation at the **American Accounting Association** Spark Regions Meeting, May 24-26, 2021Virtual., May 25, 11:00 PM EDT
45. \*Oner, N.,**Zengul, F.D.** Byrd, J.D *A Textual Analysis of Elite and Practitioner Journals: Is Accounting's Research-Practice Gap Real or Perceived?* Paper Presentation at the **American Accounting Association** Spark Regions Meeting, May 24-26,2021 Virtual. May 26 3:30 PM EDT
44. **Zengul, F.D.**, Zengul, A.G., Mugavero, M., Oner, N., Ozaydin, B., Delen, D., Willigh J.H., Kennedy, K., Cimino, J.J.(2020). *A Critical Analysis of COVID-19 Research Literature: Text Mining Approach*, **Pre-International Conference on Information Systems Artificial Intelligence (Pre-ICIS AI) workshop**, Sunday, December 13 from 9am to 2pm ET - SIG AIAA - Artificial Intelligence: Theory, Applications and Implications, Virtual.
43. **Zengul, F.D.**, \*Oner, N., Borkowski, N., O'Connor, S. "A Text Mining Study Of Topics, And Trends In Health Care Management Journals 1998-2018" has been accepted for presentation at the 2020 **Southern Management Association** Annual Meeting scheduled for October 20-24, 2020. Virtual
42. **Zengul, F.D.** Byrd, J.D., \*Oner, N., Edmonds M.A., Messina, F., Savage, A. *A Textual Analysis of Regular Elite and Practitioner Journals: Is Accounting's Research-Practice Gap Real or Perceived?* Paper Presentation at the **American Accounting Association** Annual Meeting, AUGUST 9-14, 2020, Virtual.
41. Epane JP, McRoy L, Ramamonjivelo Z., **Zengul, F.**, Weech-Maldonado, R. *The Implication of Children Hospitals' Adoption of Hospitalists on Financial Performance*. Paper Presentation at the **Academy of Management** August 2020 Annual Research Meeting, Virtual.
40. \*Topuz, K., **Zengul, F.D.** *Graft Survival After Liver Transplantation: A Probabilistic Decision Support Model Using Big Data Approaches* **Decision Science Institute (DSI)** Annual Conference 2019, Transforming Decision Sciences Through Emergent Technologies November 23-25, New Orleans, LA
39. **Zengul, F.D.**, \*Oner, N., Paterson J. & Reck, J. *Exploring Governmental Accounting Research in Top 59 Accounting Journals: A Text Mining Study*. Paper Presentation at **American Accounting Association** 2019 MidWest Meeting, October 17-19, 2019, in Chicago, Illinois, USA.



38. Ramamonjariavelo, Z., Weech-Maldonado, R., McRoy, L., Epane J. P., **Zengul, F. D.**, & Hearld L. *Do Medicare and Medicaid Payer-mixes Change after the Privatization of Public Hospitals?* Paper Presentation at **Academy of Management** 2019 Annual Research Meeting, August 9-13 in Boston, Massachusetts, USA.
37. **Zengul, F. D.**, Ramamonjariavelo, Z., Epane J. P., McRoy, L., & Weech-Maldonado, R.. *Hospital Technology and Expenses: Do Different Measures of High-Tech Services Matter?* Paper Presentation at **Academy of Management** 2019 Annual Research Meeting, August 9-13 in Boston, Massachusetts, USA.
36. **Zengul, F.D.**, Byrd J., \*Oner, N., Edmonds, M. & Savage, A. *Exploring Corporate Governance Research in A and A\* Accounting Journals through Latent Semantic and Topic Analyses.* Paper Presentation at **American Accounting Association** Annual Meeting, AUGUST 9-14, 2019, in San Francisco, CA, USA.
35. **Zengul, F.D.**, \*Oner, N., Byrd J., & Savage, A. *Revealing Research Themes and Trends in the Thirty Top-Ranked Accounting Journals through Natural Language Processing (NLP): 1997-2017.* Paper Presentation at **American Accounting Association** Annual Meeting, AUGUST 9-14, 2019, in San Francisco, CA, USA.
34. \*Sag, I., & **Zengul, F.D.**, *Determining Publics' Attitude towards Medical Tourism Development in Turkey: A Scale Proposal.* **Marketing and Marketing Research Association** (MMRA) Marketing Congress 2019, May 1-5, 2019 | Izmir, Kusadasi, Turkey.
33. \*Sag, I., & **Zengul, F.D.**, *Competition in Health Tourism and Healthcare Tourists' expenditure characteristics' in Turkey.* **The 11th Tourism Outlook Conference** 2018, October 2-5, 2018 | Eskisehir, Turkey.
32. **Zengul, F.D.**, \*Oner, N., Byrd J., & Savage, A., *A Revealing the Research Themes and Trends in Top 30 Accounting Journals through Natural Language Processing.* Paper Presentation at **North Eastern American Accounting Association** Annual Meeting, October 18 - 20, 2018 in Old Greenwich, Connecticut, USA.
31. **Zengul, F.D.**, \*Oner, N., Hearld, L., \*Demirbas, A. & Weech-Maldonado, R., *A Meta-Analytic Review of Hospital Competition and Financial Performance.* Paper Presentation at **Academy of Management** Annual Conference, August 10-14, 2018 | Chicago, Illinois, USA.
30. Epane J. P., Ramamonjariavelo, Z., **Zengul, F. D.**, McRoy, L., & Weech-Maldonado, R. *Children Hospitals' Use of Hospitalists: Impact on Financial Performance.* Poster Presentation at **Academy Health** 2018 Annual Research Meeting, June 24-26 in Seattle, WA
29. \*Sag, I., Avci, K., & **Zengul, F. D.** *Turkish People's Attitude towards the Development Health Tourism: The Case of Ankara* Poster Presentation at **Academy Health** 2018 Annual Research Meeting, June 24-26 in Seattle, WA

28. **Zengul, F. D.**, Berner, E.S., Lemak, CH, \*Oner, N. Ozaydin, B. & Delen, D. *Text Mining Analyses of Health Services and Policy Research*, Poster Presentation at **Academy Health** 2018 Annual Research Meeting, June 24-26 in Seattle, WA
27. **Zengul, F. D.**, Ramamonjjarivelo, Z., Epane J. P., McRoy, L., & Weech-Maldonado, R.. *The Relationship between Hospital Technology and Expenses: Do Different Measures of High-Tech Services Matter?* Poster Presentation at **Academy Health** 2018 Annual Research Meeting, June 24-26 in Seattle, WA
26. Ozaydin, B., **Zengul, F.D**, & Feldman, S., *Text-Mining Analysis of Research at the Intersections of Healthcare Quality and Safety, Informatics, and Simulation*. Paper Presentation at 2018 **Inform International Conference**, Taipei, Taiwan on June 17 - 20, 2018
25. **Zengul, F.D.**, Ozaydin, B., Modi, S.S. & Feldman, S., *Health Informatics, Quality and Patient Safety, and Simulation: A Systematic Review*. Paper Presentation at **2018 Inform International Conference**, Taipei, Taiwan on June 17 - 20, 2018
24. **Zengul, F. D.**, Berner, E.S., Lemak, CH, \*Oner, N. Ozaydin, B. & Delen, D. *Revealing the Themes and Trends in Health Services and Policy Research through Natural Language Processing (NLP)*, Poster Presentation at **Society for Design and Process Science (SDPS)** November 5-9, 2017, Birmingham, AL
23. \*Ghiasi, A., **Zengul, F.D.**, \*Oner, N., & Ozaydin, B. *The Impact of Hospital Competition on Strategies and Outcomes of Hospitals: A Systematic Review of the U.S. Hospitals 1996-2016*. Podium presentation at **Association of Schools of Allied Health Professions**, October 18-20, 2017, San Antonio, Texas
22. Ozaydin, B., **Zengul, F.D.**, Feldman, S. & \*Oner, N., *A Data Warehouse of Health Services Administration Related Databases*, Oral presentation at the **Institute for Operations Research and the Management Sciences Healthcare (INFORMS Healthcare)**, Jul 25-28, 2017, Rotterdam, Netherlands
21. Tai, T., Paditar, N., & **Zengul, F.D.**, *Factors Influencing Timely and Effective Heart Attack Care in U.S. Hospitals: A Nationwide Study of Magnet Hospitals versus Non-Magnet Hospitals*, Oral Presentation at the annual meeting of **American Public Health Association**, Nov 4-8, 2017, Atlanta, Georgia
20. \*Barnes, M. T., \*Oner, N., **Zengul, F.** *Assessing the Relationship between Quality and Financial Performance in U.S. Hospitals: A Systematic Review*. Paper presented at **Southern Management Association's** Annual Research Meeting October 24-28, 2017, St. Pete Beach, Florida
19. Epane J. P., Ramamonjjarivelo, Z., **Zengul, F.**, McRoy, L, Weech-Maldonado, R. *The Impact of Hospitalists on Inpatient Hospital Experience*. Paper presented at **Academy of Management** Annual Meeting August 4-8, 2017, Atlanta, Georgia

18. Ramamonjiarivelo, Z., **Zengul, F.**, Hearld, L., Epame J. P., McRoy, L, Weech-Maldonado, R. *The Privatization of Public Hospitals and the Provision of High-technology Services*, Paper presented at **Academy of Management** Annual Meeting August 4-8, 2017, Atlanta, Georgia
17. \*Oner, N., **Zengul, F.**, Hearld, L. Ozaydin, B., \*Demirbas, A., *Hospital Competition and Financial Performance: A Meta-Analytic Approach*. Poster presented at **Academy Health** Annual Research Meeting June 25-287, 2017, New Orleans, Louisiana
16. Ramamonjiarivelo, Z., Weech-Maldonado, R., McRoy, L, Epame J. P., **Zengul, F.**, Hearld, L., *The impact of Privatization on American Public Hospitals' Payer Mix*. Poster presented at **Academy Health** Annual Research Meeting June 25-287, 2017, New Orleans, Louisiana
15. Ramamonjiarivelo, Z., **Zengul, F.**, Hearld, L., Epame J. P., McRoy, L, Weech-Maldonado, R. *High-Tech Medical Services, and Privatization*. Poster presented at **Academy Health** Annual Research Meeting June 25-287, 2017, New Orleans, Louisiana
14. **Zengul, F.**, & Ozaydin, B., *Using SQL-Based Data Warehouse to Determine the Association between Capital Investments in Hospital Physical Infrastructure and Patient Quality Perception, Poster Session for UAB FDGP Awardees*, October 13, 2016, Birmingham, AL
13. Almehti A., \*Topuz K., **Zengul F.**, Yidirim, M.B. "*Predictors of Survival in Deceased Kidney Transplant Using Data Mining Methods.*" SA-PO387. ASN November 15-20, 2016, Chicago. Accepted for publication. ASN's 2016 **Abstract Supplement of JASN**.
12. \*Topuz K., Dag A., **Zengul F.**, and Yildirim MB *Probabilistic Decision Analytic Model for Predicting the Quality of Matching in Kidney Transplantations*, **INFORMS Annual Meeting**, Nashville, Tennessee Nov 13-16. 2016.
11. Tai, T., Paditar, N., & **Zengul, F.** *Factors Influencing Timely and Effective Care in Hospital-Based Emergency Departments: A Nationwide Study of Magnet Hospitals versus Non-Magnet Hospitals*. Oral presentation at the annual meeting of **American Public Health Association**, October 29-November 2, 2016, Denver, Colorado
10. \*Asagbra, O., **Zengul, F.**, & Burke, D. *Relationship between Hospital Adoption of EHR with Patient Engagement Functionalities and Care Quality*. The poster was presented at the annual meeting of **American Public Health Association**, October 29-November 2, 2016, Denver, Colorado
9. Epame J. P., McRoy, L, Ramamonjiarivelo, Z., **Zengul, F.**, Weech-Maldonado, R. *The Impact of Hospitalists on Inpatient Hospital Experience*. Poster presented at **Academy Health** Annual Research Meeting June 26-28, 2016, Boston, Massachusetts
8. **Zengul, F.**, Breland, B., & Paustian, P. *Enhancing Student Learning While Balancing Faculty Grading Activities: A Team-Based Innovation*. Poster presented at the annual meeting of the **Association of University Programs in Health Administration**, on Healthcare Quality and Performance, June 3-6, 2015, Miami, Florida

7. **Zengul, F., & Ozaydin, B.,** *High Technology Services and 30 Day Mortality Rates in American Hospitals*. Proceedings published at the **5th International Congress on Healthcare Quality and Performance**, November 20-22, 2014, Antalya, Turkey
6. **Zengul, F., Weech-Maldonado, R., Hearld, L.H., Ozaydin, B, Patrician, PA, & Savage, G.A.** *High Technology Medical Services and Quality of Care at U.S. Hospitals*. Paper presented and proceedings published at **Southern Management Association** Annual Conference, November 12-15, 2014, Savannah, Georgia
5. **Zengul, F. D.,** 2014. *A Longitudinal Analysis of High Technology Medical Services and Hospital Financial Performance*. Paper presented at **Academy of Management** Annual Meeting August 1-5, 2014, Philadelphia, Pennsylvania
4. **Zengul, F. D.** Weech-Maldonado, R., Hearld, L.H., Patrician, P.A., Savage, G.A. & Ozaydin, B., 2014. *A Longitudinal Analysis of High Technology Medical Services and Hospital Financial Performance*. Poster presented at **Academy Health** Annual Research Meeting June 8-10, 2014, San Diego Convention Center
3. **Zengul, F. D.** Weech-Maldonado, R., Hearld, L.H., Patrician, P.A., Savage, G.A. & Ozaydin, B., 2014. *A Longitudinal Analysis of High Technology Medical Services and Quality of Care at U.S. Hospitals*. Poster presented at **Academy Health** Annual Research Meeting June 8-10, 2014, San Diego Convention Center
2. **Zengul, F. D. & O'Connor, S.** 2012. *Evidence-Based Design as a Source for Sustained Competitive Advantage for Hospitals: A Resource-Based View*. Proceeding published and paper presented at **Southern Management Association** Annual Meeting October 30-November 3, 2012, Ft. Lauderdale, FL
1. **Zengul, F. D.** Au, D. & Liddle, B. 2012. *Eight Years after IOM's a Bridge to Quality 2003 Report: Is Interdisciplinary Healthcare Education Evolving?* Poster presented at the **Association of University Programs in Health Administration** annual meeting titled "Embracing Transformation," May 31-June 3, 2012, Minneapolis, MN

#### **Seminars/Workshops:**

5. **Zengul, F. D., Oner, N., & Ozaydin, B.** A Critical Analysis of COVID-19 Research Literature: Text Mining Approach. The University of Alabama at Birmingham, Informatics Institute, PowerTalk Seminars, December 4, 2020, 10:00-11:00 AM.
4. **Zengul, F. D., Thirumalai, M., Mehta, T. Ozaydin, B.** *Rigor, Reproducibility, and Transparency (R2T): Discovering Convergence Solutions from Present to Design a Better Future*, Workshop at Society for Design and Process Science (SDPS) November 5-9, 2017, Birmingham, AL
3. **Zengul, F.D.** *Principles of Finance and Reimbursements Methods*, Workshop at UAB Hospital Heart and Vascular Center, Nursing Retreat, UAB National Alumni House, September 14, 2017, Birmingham, AL

2. Ozaydin, B **Zengul, F. D.** Slovensky, D., Malvey, D. & Neigel, A.R.2016. *Health-Data Life Cycle, Systems around It, and mHealth* Workshop at Society for Design and Process Science (SDPS) December 4-7, Orlando, FL
1. **Zengul, F. D.**, 2011. *Comparison of Process and Outcome Quality Performance Measures in Healthcare: From Existing Measures to Future Possibilities* Workshop presentation at the Turkish Ministry of Health Third International Conference on Performance and Quality in Health Care. November 24-26, Ankara, Turkey

**Non Peer-reviewed Publications:**

- Editorial: Feldman, S. S., **Zengul, F. D.**, Ozaydin, B., Brazil, V., Hayes, L., & Schooley, B. (2019). Introduction to "health informatics, healthcare quality and safety, and healthcare simulation: the new triad to advance healthcare operations". 153-154

**Extramural Grants and Contracts:**

- NSF1624690  
National Science Foundation (NSF) I/UCRC for Center for Health Organization Transformation (CHOT), R. Weech-Maldonado, N. Borkowski (site P.I.s),  
Duration: 2016-2020  
**Role:** Co-Investigator
  - Project Title: *Developing risk prediction model for Hospital Acquired Clostridium Difficile Infections, Phase II & III*  
Duration: 2018-2020  
Effort: 10%  
**Role:** Principal Investigator
  - Project Title: *The Socio-demographic Predictors of Pain Management: Comparison of Previous and Revised HCAHPS Survey Questions*  
Duration: 2018-2020  
Effort: 4%  
**Role:** Principal Investigator
  - Project Title: *Integrated Chronic Care Management System for Monitoring and Clinical Decision Support*  
Duration: 2018-2019  
Effort: 4%  
**Role:** Co-Investigator
  - Project Title: *Hospital Acquired Infections: Developing a Model to Identify Patients at Risk for Clostridium Difficile Infections upon Admission to Acute Care Facilities*  
Phase I.  
Duration: 2017-2018  
Effort: 6%  
**Role:** Co-Principal Investigator

### **Intramural Grants and Contracts:**

- Sponsor: UAB Hospital Medicine, P.I.s: Allyson Hall, Kierstin Kennedy; Project: UAB Hospital Medicine-Health Services Administration Research Collaborative;  
Duration: 2020-2021  
Effort: 10%  
**Role:** Co-Investigator
- Sponsor: The University of Alabama at Birmingham Faculty Development Grant Program  
Project Title: *Using SQL-Based Data Warehouse to Determine the Association between Capital Investments in Hospital Physical Infrastructure and Patient Quality Perceptions*  
Duration: 2015-2016  
Total Funding: \$8,800  
**Role:** Principal Investigator

### **Extramural Grant Proposals (Pending):**

- Agency for Healthcare Quality and Research (AHRQ)  
Mentored Research Scientist Career Development Award (K01)  
Project Title: *Identifying and Slowing Progression of CKD through Machine Learning and Decision Support*  
Duration: 2021-2026  
Effort: 75%  
**Role:** Principal Investigator
- National Institute of Health (NIH)  
National Institute on Minority Health and Health Disparities (NIMHD)  
R01  
Project Title: *Addressing Health Disparities among Limited English Proficiency Patients Using Predictive and Prescriptive Analytics*  
Duration: 2022-2026  
Effort: 20%  
**Role:** Co Investigator

### **Extramural Development Awards**

- NIH NCATS Innovation Lab  
National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH)  
Award Title: *Innovation Lab "Staying Power: Developing Lifestyle Interventions that Last."*  
Duration: April 23-27, 2018  
Total Funding: All expenses associated with travel and accommodation  
Location: Warrenton, VA

**Role:** Fellow

- NIH BD2K RoAD-Trip  
2017 Data Science Rotations for Advancing Discovery (RoAD-Trip)  
National Institutes of Health Big Data to Knowledge (BD2K) Initiative  
Project Title: *Development of Predictive Models for Graft Survival After Liver Transplantation: Hybrid Analytic Approaches*  
Total Funding: \$4,000  
Duration: March 18-April 1, 2017  
Location: Oklahoma State University, Tulsa  
**Role:** Fellow

### **Intramural Development Awards**

- UAB Center for Clinical and Translational Science  
2017 CCTS Clinical and Translational Science Training Program,  
Project Title: Development of Risk Prediction Models and Clinical Interventions for Surgical Site Infections: Hybrid Analytical Approaches.  
Duration: January 4- June 28, 2017  
**Role:** Fellow
- The National Science Foundation (NSF) Innovation Corps (I-CORPS)  
South Regional Training  
Project Title: Commercializing Surgical Site Infections Prediction Model  
Duration: June 6-June 27, 2017– Completed 4-weeks training and 20 interviews  
**Role:** Trainee

### **Research Focused Certifications:**

- IRB CITI 2018 Refresher Training Course - Social/Behavioral/Educational, October 2, 2019, Expiration Date: October 1, 2022
- Certificate of Completion: UAB Center for Clinical and Translational Science (CCTS), Clinical and Translational Science Training Program, January 4-June 28, 2017
- Certificate of Completion: 4 Weeks of Training in Rigor, Reproducibility & Transparency as provided by UAB Center for Clinical and Translational Science, May 25, 2017
- Mentor Training Program at UAB 2016 Mentoring Week, April 18, 2016, to April 22, 2016
- IRB Continuing Training Certificate, Completion Date: December 29, 2015, Expiration Date: December 28, 2018
- HCUP Data Use Agreement and Training, January 1, 2015

### **Workshops and Trainings attended:**

- Certified Management Accountant (CMA) Program- Attending lectures and presentations to prepare for CMA Exam that I have scheduled to take in January 2022.
- MATLAB Seminars at UAB - on Machine learning & Deep Learning Seminar organized by UAB IT Research Computing on 3/20/2018 at The Edge of Chaos between 9:00 a.m. - 3.00 p.m.

- 8th Annual Methods Seminar in Outcomes Research, Health Systems and Implementation, May 4, 2017 Birmingham, AL
- UAB 1st Annual Translational Bioinformatics Mini-Symposium "Forging New Bioinformatics Collaborations", May 3, 2017 Birmingham, AL
- CCTS i2b2 Training, "Need Clinical Data for Your Research?", April 18, 2017, UAB, Birmingham, AL
- Research Methods And Secondary Data Analysis Seminar Series, Medicare Claims Data and Health Services Research, Birmingham AL, March 5, 2015

## **TEACHING AND MENTORING EXPERIENCE:**

### **Courses Taught at UAB**

\* Asterisk indicates the courses that my mentee, Nurettin Oner, co-taught (Spring 2018-Summer 2020).

Summer 2022- Present (Summer)

AH 705 Healthcare Financial Management (Face-to-face lecture)

*Ph.D. in Administration-Health Services (Lecture): 3 credit hours*

Fall 2017- Present (Fall & Spring)

\*HCM 316 HP Accounting and Finance for Healthcare (Face-to-face lecture)

*B.S. in Health Care Management (Lecture): 3 credit hours*

Fall 2017- Present (Fall & Spring)

\*HCM 316 QL Accounting and Finance for Healthcare (Online lecture)

*B.S. in Health Care Management (Online): 3 credit hours*

Spring 2020- Present (Spring)

HI 662 Business Intelligence (Online)

*Master in Health Informatics (Lecture): 3 credit hours*

Summer 2014- Present (Summer & Fall)

\*HCM 402 HP Economics for Healthcare Managers (Face-to-face lecture)

*B.S. in Health Care Management (Lecture): 3 credit hours*

Summer 2014- Present (Summer & Fall)

\*HCM 402 QL Economics for Healthcare Managers (Online lecture)

*B.S. in Health Care Management (Online): 3 credit hours*

Spring 2015- Spring 2018

HA 624 Revenue Cycle Management (Face-to-face lecture)

*MSHA Residential (Lecture): 3 credit hours*

Fall 2013- Fall 2015 (Fall & Summer)

AHS/HCM 415 QL Ethics for Healthcare Managers (Online lecture)

*B.S. in Health Care Management (online): 3 credit hours*



Fall 2013- Fall 2015 (Fall & Summer)  
AHS/HCM 415 HP Ethics for Healthcare Managers (Face-to-face lecture)  
*B.S. in Health Care Management (Lecture): 3 credit hours*

Summer 2014- Fall 2014 (Fall & Summer)  
HCM 360 QL Statistics for Managers (Online lecture)  
*B.S. in Health Care Management (Lecture): 3 credit hours*

Summer 2014- Fall 2014 (Fall & Summer)  
HCM 360 HP Statistics for Managers (Face-to-face lecture)  
*B.S. in Health Care Management (Lecture): 3 credit hours*

### **Lectures Taught- UAB Health System Certificate in Healthcare Management Program**

"Session 1: Healthcare Finance I"  
November 2014, 2015, 2016, 2017

"Session 2: Healthcare Finance II"  
January 2014, 2015

"Session 3: Provider Payments: The Rest of the Story"  
March 2014, 2015, 2016, 2017, 2018, 2019

### **Courses Taught-International**

Fall 2020-  
HADM-402-Advanced Healthcare Management  
Hamdan Bin Mohammed Smart University, Dubai, United Arab Emirates

### **Guest/Invited Lectures**

- NUR 757 Health Services Research (Guest co-lecturer with Bunyamin Ozaydin. Mining Health Data: Tools You Can Use, Health Services Research Data Infrastructure, UAB Systems Related To Secondary Use of Clinical Data + What Covid-19 Data Is Available? ) July 9, 2020
- UAB Minority Health & Disparities Research Center (MHRC) (Guest co-lecturer with Bunyamin Ozaydin. Mining Health Data: Tools You Can Use ) May 6, 2020
- AH 707 Doctoral Seminar, January 23, 2019 (Guest Lecturer on Strategies to Develop Research Portfolio)
- NTR 636/736: Scientific Methods (Guest Lecturer on Quantitative Methods Fall 2016, 2017). Developed the content and a video lecture for a module focusing on “Quantitative Research Design.
- AH 707 Doctoral Seminar in Research Methods: (Guest Lecturer on Secondary Data Analysis Spring 2016-17)
- GRD 717 Research Ethics (Facilitator – November 18, 2017)

### **Teaching Workshops and Courses Taken\***

24. 3/13/2020 Interprofessional Teams in Healthcare: Accountability in I.P. teams
23. 3/12/2020 eLearning: GoReact
22. 3/11/2020 Accesibility: The Intersection of ADA/504 and Program Technical Standards
21. 2/27/2020 eLearning: Tips for Successful Online Course Delivery
20. 2/26/2020 Advising as Teaching: Building Your Advising Portfolio
19. 2/24/2020 Teaching Effectiveness: Gamification
18. 2/20/2020 eLearning: Applying the Quality Matters Rubric II (half a day workshop)
17. 2/19/2020 Teaching Foundations: Effective Use of Team Teaching
16. 2/18/2020 eLearning: Appling the Quality Matters Rubric I (half a day workshop)
15. 2/17/2020 eLearning: Canvas Assignment and Speed Grader
14. 2/12/2020 eLearning: Principles of Universal Design for Learning
13. 2/06/2020 Interprofessional Teams in Healthcare: Leadership Fables
12. 3/19/2019 eLearning: Applying the Quality Matters Rubric ( a whole day workshop)
11. 8/22/2018 Global Awareness: International Retreat
10. 4/13/2018 Executive Presenter: Pam Benoit
9. 4/11/2018 Teaching Effectiveness: Affordable Instructional Materials
8. 4/06/2018 Faculty Foundations: Understanding the QEP
7. 4/03/2018 eLearning: GoReact
6. 3/21/2018 Teaching Foundations: How to Write Good Test Questions
5. 6/01/2017 Global Awareness CTL: Promoting Global Awareness in the Classroom
4. 3/09/2016 Teaching Effectiveness: Active Learning in the Classroom
3. 3/07/2016 Teaching Effectiveness: Guide to the IDEA Survey
2. 1/25/2016 Teaching Effectiveness: Teaching Millennials
1. 1/21/2016 Teaching Foundations: Now that You Will be Teaching- What's Next?

### **Teaching Focused Conferences Attended:**

- OpenStax Creator Fest 2019 Conference. Rice University. Bioscience Research Collaborative, April 3 -6, 2019 Houston, TX – Collaborated with two task forces, 1) Accounting and 2) Economics, to develop open education content.

### **Teaching Focused Certifications:**

- Certificate of Completion: UAB Center for Teaching and Learning. Completed ten (10) teaching enhancement courses, April 19, 2018
- FERPA Training Certificate, June 30, 2016
- 3D Online Instruction: Design, Develop and Deliver (January-March 2016)
- Simulation Apprentice II, February 2015- Completed Simulation I & II, and Advanced Debriefing Workshops
- Teaching with Technology Certificate, April 15, 2015 – Completed six core and one elective courses at UAB Center for Teaching and Learning

### **Funded Teaching/Mentoring Grants:**

- Sponsor: The McNair Scholars Program  
Project Title: *The Impact of Telemedicine on Patient Experience during COVID-19 Pandemic: A Systematic Review and Meta Analysis & Text-Mining Analyses of Accounting Journals*

Duration: Summer 2021

Total Funding: \$2,500

**Role:** Faculty Mentor

- Sponsor: Barnes and Noble Open Education Resource (OER) Courseware Award Funding  
Project Title: *UAB Bookstore / Courseware Adoption Grant*  
Duration: 2018-2019  
Total Funding: \$2,500  
**Role:** Principal Investigator
- Sponsor: The Association of University Programs in Health Administration (AUPHA)  
Project Title: Developing Curricular Resources for "Hardwiring Flow: Systems and Processes for Seamless Patient Flow by Thom Mayer, MD and Kirk Jensen, MD"  
Total Funding: \$4,500  
Duration: 2010  
**Role:** Team Member (responsible for 1/3 of the developed curricular resources)

#### **Dissertation Committee Memberships**

- 2021-Present: Mathew Parker (PhD, Health Services Administration, UAB)
- 2020- Present: Brian Tew (DSc., Health Services Administration, UAB)
- 2017-2019: Akbar Ghiasi (Ph.D., Health Services Administration, UAB)
- 2014-2018: Ian McFadden (Dr.Ph, Health Services Administration, UAB)
- 2015-2016: Oghale E. Asagbra (Ph.D., Health Services Administration, UAB)
- 2014-2016: David Au (Ph.D., Health Services Administration, UAB)
- 2014-2015: Shivani Gupta (Ph.D., Health Services Administration, UAB)

#### **Project Advisor for the UAB Health Informatics (Master) Data-Analytics Capstone Projects**

- 2021-2022: Adel Wahner. The project titled "Design of a Researcher User Interface for UAB's Health Services Research Data Warehouse."
- 2021-2022: Jared James Hanig. The project titled "Design of a Administrator User Interface for UAB's Health Services Research Data Warehouse."
- 2021-2022: Naureen Ali. The project titled "Incorporating Medicare Cost Report Data into Data Warehouse."
- 2020-2021: Eddie Groom. The project titled "Hospital Factors Associated with Patient Portal Adoption."
- 2020-2021: Carole A Richardson. The project titled "Streamlining ETL Processes for Health Services Data Warehouse Design and Implementation."
- 2020-2021: John Opeyemi Fadimiyore. The project titled "Text Mining Analyses of Information System's Basket Journals."
- 2020-2021: Joshua Knight. The project titled "Integration of American Hospital Association's I.T. supplement into Health Services Research Data Warehouse."
- 2020-2021: Bayan Karassi. The project titled "Integration and Optimization of Hospital Compare data into Health Services Research Data Warehouse."
- 2019-2021: Clint Douglas Harrison. The project titled "Incorporating CMS Final Impact Files into Health Services Research Data Warehouse."

- 2019-2020: Aaron Stewart. The project titled "Incorporating Area Health Resource File data into Health Services Research Data Warehouse."
- 2019-2020: Madison Vinson. The project titled "Incorporating Hospital Compare data into Health Services Research Data Warehouse."
- 2019-2020: Nichole Samuy. The project titled "Incorporating AHA data into Health Services Research Data Warehouse."
- 2018-2019: John Speights. The project titled "Incorporating parts of Hospital Compare Date into Health Services Research Data Warehouse."
- 2018-2019: Jason Bains. The project titled "Incorporating parts of the Hospital Compare Data into a Health Services Research Data Warehouse."
- 2018-2019: Trae Compton. The project titled "HCAHPS Data Warehouse Integration."
- 2017-2018: Chris Compton. The project titled "Taming Data from the Wild: A Maintainable Approach to Mastering Evolving Cost Report Data from the U.S. Centers for Medicare and Medicaid."

### **Student Research Supervision and Mentorship (Assigned by CHOT or Ph.D. Program)**

- 2019: Lieu Thompson (Doctoral Student, Administration-Health Services, UAB)- funded by NSF CHOT
- 2019: Lena Carter (Undergraduate Student, Health Care Management, UAB)- funded by NSF CHOT
- 2019:Jonathan Patterson (Doctoral Student, Administration-Health Services, UAB)- funded by NSF CHOT
- 2018-2019: Neeraj Puro (Doctoral Student, Administration-Health Services, UAB)- funded by NSF CHOT Work resulted in a publication in Journal for Healthcare Quality
- 2018-2019: Reena Joseph (Doctoral Student, Administration-Health Services, UAB)- funded by NSF CHOT Work resulted in a publication in Journal for Healthcare Quality
- 2018-2019: Akbar Ghiasi (Doctoral Student, Administration-Health Services, UAB)- funded by the Department of Health Services Administration, Work resulted in a publication in Journal for Healthcare Finance

### **Student Research Supervision and Mentorship (Initiated by the students)**

- 2020- Kayla Warren (Undergraduate Student, Health Care Management, UAB)
- 2020- Shalyn Naylor (Undergraduate Student, Health Care Management, UAB)
- 2019- Aysegul Bulut (Master Student, Data Science, UAB)
- 2019- Ayse Zengul (Doctoral Student, Nutrition, UAB), Work resulted in two publications under Review focusing on cancer, and COVID-19 literature.
- 2015- Beratiye Oner, (Ph.D. in Nursing, Hacettepe University, Turkey), Work resulted in a manuscript in Nursing Open and several manuscripts under development
- 2015- Nurettin Oner, (Ph.D., Health Services Administration, Ankara University Turkey), Work resulted in several peer-reviewed manuscripts
- 2018-2019: Abdulrahman Alzhrani (Doctoral Student, Administration Health Services, UAB)
- 2017-2018: Hayden Kraus (Undergraduate Student, Health Care Management Program, UAB)

- 2016-2017: Mathew Barnes, UAB SHP Honors Program Mentee, Work resulted in a conference presentation at Southern Management Association and publication in Journal of Healthcare Finance
- 2015-2017: Kazim Topuz (Ph.D., Industrial Engineering, Wichita State University), Work resulted in a manuscript in Decision Support System
- 2015-2019: Ilhan Sag (Ph.D., Marketing, Anadolu University Turkey) - Present, Work resulted in several peer-reviewed manuscripts
- 2015-2016: Anthony R. Pallota (B.S. in Healthcare Management), Work resulted in a manuscript in the Journal of Healthcare Finance

## **SERVICE:**

### **Service to the Profession**

#### **Editorial Board Membership:**

- 2020 - Present Advisory Board Member, The Journal of Gazi University Health Sciences
- 2016 - Present Editorial Board Member, Journal of Business Research, Big Data and Business Analytics Division. Elsevier
- 2018 - 2019: Zengul, F.D. (Associate Editor) Health Systems Journal Special Issue on Health Informatics, Healthcare Quality and Safety, and Healthcare Simulation.

#### **Referee Activity (Journals):**

- 2021 - Present: Intelligent Systems in Accounting, Finance and Management
- 2021 - Present: Journal of Behavioral and Experimental Finance
- 2017 - Present: Journal of Business Analytics
- 2019 - Present: Obesity
- 2020 - Present: Health Informatics Journal
- 2018 - Present: Journal of Business Research
- 2019 - Present: Inquiry
- 2018 - 2019: Health Services Management Research
- 2018 - 2019: Health Systems
- 2016 - 2017: Journal of Healthcare Management
- 2016: Evaluation and Health Profession Journal

#### **Referee Activity (Conferences):**

- 2019 - Present: American Accounting Association Annual Conference
- 2020 - Present: Personal Finance Symposium, UAB Collat School of Business, Birmingham, AL
- 2019: Innovation Arabia 12, Dubai, United Arab Emirates 2019 Conference
- 2019: American Accounting Association MidWest Division Meeting
- 2017 - 2018: Proceedings of American Medical Informatics Association
- 2017: Proceedings of the American Public Health Association
- 2017: Proceedings of Southern Management Association

- 2016 - 2017: Proceedings of Academy of Management Annual Meeting

### **Referee Activity (Grant and Fellowships):**

- 2017 - NIH BD2K Training and Coordinating Center, Data Science Rotation for Advancing Discovery Trip (RoAD-Trip)
- 2016: Palliative Research Enhancement Project (PREP) –Reviewer of PREP Applications

### **Memberships:**

- 2021 - Present: Institute of Management Accountants
- 2018 - Present: The American Accounting Association
  - Accounting Information System (AIS) Section
  - Strategic and Emerging Technologies (SET) Section
  - Government and Nonprofit (GNP) Section
  - Management Accounting Section (MAS)
  - Teaching Learning and Curriculum (TLC) Section
  - Southeast Region
- 2016 - Present: Healthcare Financial Management Association (HFMA)
- 2012 - Present: The Association of University Programs in Health Administration (AUPHA)
  - 2017- AUPHA- Finance Committee Member
- 2019 - Present OpenStax Creators Community
- 2014 - Present Academy of Management (AOM)
- 2012 - Present Southern Management Association (SMA)
- 2015 - 2018: The Academy Health
- 2017 - 2018: Healthcare Information and Management Systems Society (HIMSS)
- 2017 - 2018: Association for Information Systems (AIS)
- 2017 - 2018: American Medical Informatics Association (AMIA)

### **Committee Memberships and Additional Service to Profession:**

- 2021- 2022: American Accounting Association Competitive Manuscript Award Committee
- 2021- 2022 Program Chair-Personal Finance Symposium, UAB
- 2021: Moderator, American Accounting Association Annual Meeting, Teaching, Learning and Curriculum Section, Session Title: The Complexity of the Human Mind and Accounting Education Presentation Date/Time: Thursday August 5, 2021 — 1:45pm-3:15pm
- 2021: Discussant, American Accounting Association Annual Meeting, Teaching, Learning and Curriculum Section, Session Title: The Complexity of the Human Mind and Accounting Education, Moderator: Ferhat D. Zengul, Presentation Date/Time: Thursday August 5, 2021 — 1:45pm-3:15pm
- 2021: Discussant, American Accounting Association Annual Meeting, Session, Government and Nonprofit Section, Session Title: Financial Reporting and Management in Governments,

Moderator: Dean Michael Mead, Presentation Date/Time: Monday August 2, 2021 — 12:00pm-1:30pm

- 2021: Discussant, American Accounting Association Annual Meeting, Session, Strategic and Emerging Technologies Section, Session Title: Emerging Technologies in Accounting and Auditing, Moderator: Srinivasan Ragothaman, Presentation Date/Time: Wednesday August 4, 2021 — 7:00am-8:30am
- 2020 - 2021- Program Chair-Personal Finance Symposium, UAB
- 2020: Discussant, American Accounting Association Annual Meeting, Virtual
- 2019: Discussant, American Accounting Association Annual Meeting, AUGUST 9-14, 2019, in San Francisco, CA, USA.
- 2019: Discussant, American Accounting Association 2019 MidWest Meeting, October 17-19, 2019, in Chicago, Illinois, USA.
- 2018 - 2019: Innovation Arabia 12 (IA12) Technical Review Committee Member, Hamdan Bin Mohammed Smart University, Dubai, UAE.
- 2014: Session Chair, "Efficiency in Healthcare" Academy of Management Annual Meeting August 1-5, 2014, Philadelphia, Pennsylvania
- 2012: Best Paper in Track Committee, Track 8: Health Care/Hospitality Management/ Public Administration, Southern Management Association meeting in Ft. Lauderdale
- 2012: Discussant, Southern Management Association meeting in Ft. Lauderdale

**Service to the Department of Health Services Administration, UAB:**

- 2020 - 2021 Member– Health Administration. Faculty Search Committee
- 2020 - 2021 Chair– Health Informatics Program Faculty Search Committee,
- 2019 - 2020: Member– Health Administration. Faculty Search Committee Member,
- 2019: Member–Values Committee
- 2015- Member– HSA Research and Extramural Grant Committee

**Service to School of Health Professions, UAB**

- 2021- Chair-Paying for Publications Subcommittee- Faculty Affairs
- 2019-2021 Member–Faculty Affairs Committee
- 2020: Member– Post-Tenure Award Development Committee, Faculty Affairs Committee

**Service to the University (UAB):**

- 09/2021 - 08/2022 Member– UAB Faculty Senate- Faculty Development Committee
- 2020 – Present: Member– Research Databases Task Force, UAB Collat School of Business
- 2020- Present: Co-leader– Financial & Operational Implications Scientific Working Group at UAB COVID-19 CORE (Collaborative Outcomes Research Enterprise)
- 2020- 2021Member- Alabama Nursing Study Research Group
- 09/2020 - 08/2021 Member– UAB Faculty Senate Finance Committee
- 2020-2022 Alternate Senator– UAB Faculty Senate, for School of Health Professions
- 2020: Alternate Senator – UAB Faculty Senate for School of Health Professions
- 2020: Member – UAB Faculty Senate, Governance and Operations Committee

- 2017: Judge – UAB Class of 2017 Physician Assistant Program-Graduate Research Poster Presentations, Birmingham, AL
- 2017: Judge – The 2017 Fall UAB Expo for Undergraduate Research, November 30, 2017, Birmingham, AL
- 2017- Floor Marshal– UAB Spring Commencement, April 28, 2017
- 2015 -16: Member–Vice President for Equity, Diversity, and Inclusion Search Committee
- 2012 - 15: UAB Diversity Committee member and co-chair of a sub-committee
- 2011 -12: Organizing two International Academic Trips for UAB Provost, Assoc. Vice President for Enrollment, and Deans to recruit more international students- Office of Enrollment

**Service to the Community:**

- 2019: STEM education initiative. Developing a physics simulation tool to visualize the movements of particles, from atoms to planets. Some of the development activities, including conference travels, were supported by NSF Innovation Core.
- 2008: Diplomatic Corps volunteer– International Services Council of Alabama
- 2008 - 2012: Board Member– United Nations Association Greater Birmingham Chapter