

CURRICULUM VITAE
Amany Farag PhD, MSN, RN

10/01/2021

Associate Professor
 University of Iowa, College of Nursing

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I. EDUCATION & PROFESSIONAL HISTORY

A. EDUCATION

<u>Date</u>	<u>Degree</u>	<u>Field of Study</u>	<u>Institution</u>
2003-2008	PhD	Nursing	Case Western Reserve University, Cleveland, OH
1995-1999	MSN	Nursing Administration	University of Alexandria, Alexandria, Egypt.
1989-1993	BSN	Nursing	University of Alexandria, Alexandria, Egypt.

- Dissertation: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention. Case Western Reserve University, Cleveland, Ohio. 2008
- MSN Thesis: Quality Healthcare as Perceived by Healthcare Providers and Consumers in two Ministry of Health Hospitals in Alexandria.

B. POST GRADUATE EDUCATION

<u>Date</u>	<u>Position, Institution, Location</u>
2008-2010	Post doctor scholar, Case Western Reserve University, Cleveland-Ohio.

C. LICENSURE/CERTIFICATION

<u>Date</u>	<u>State</u>
2012-present	RN license #132034 Multistate license, Iowa Board of Nursing
2010-2014	RN license # 771969 California Board of Nursing

D. PROFESSIONAL EXPERIENCE

Academic Appointments

<u>Date</u>	<u>Position</u>	<u>Institution</u>
2020-present	Associate professor	College of Nursing, University of Iowa
2014-2020	Assistant Professor	College of Nursing, University of Iowa, Iowa.
2012-2014	Associate Faculty	College of Nursing, University of Iowa, Iowa.
2010-2012	Assistant Professor	Faculty of Nursing, University of Alexandria, Alexandria, Egypt.
2010-2011	Assistant Professor (adjunct)	College of Nursing, Kent State University, Kent, Ohio.
2000-2002	Lecturer	Faculty of Nursing, University of Alexandria, Alexandria, Egypt
1994-1999	Clinical Instructor	Faculty of Nursing, University of Alexandria, Alexandria, Egypt

Student Appointments

<u>Date</u>	<u>Position</u>	<u>Institution</u>
2008-2009	Teaching Assistant	Frances Payne Bolton School of Nursing, Case Western Reserve University, Cleveland, OH.
2010	Co-teaching	Frances Payne Bolton School of Nursing, Case Western Reserve University, Cleveland, OH.

Clinical Experience

<u>Date</u>	<u>Position</u>	<u>Institution</u>	<u>Area</u>
2014-Present	Sexual Assault Nurse Examiner (SANE)	University of Iowa Hospitals and Clinics	Forensic Nursing
1995-1999	Registered Nurse (Part time)	Alexandria International Medical Center	Acute and critical care
1992-1993	Clinical Nurse Intern	University of Alexandria Main Teaching Hospitals	Critical care and emergency medicine

E. HONORS/AWARDS

<u>Date</u>	<u>Honor, including organization</u>
2021	Invited guest lecturer-T32 Interdisciplinary Training Seminar in Cancer, Caregiving, and End-of-Life Care (T32 NR013456; m-PIs: L Ellington & K Mooney) College of Nursing University of Utah, Salt Lake City, Utah
2020	Invited Visiting Scholar- School of Nursing-University of Michigan.
2019	Author of the year, Journal of Emergency Nursing, Emergency Nurse Association
2018	Roger's Endowed Lectureship Award- Mississippi Medical Center
2018	Junior Scholar Award- health systems, policy, and informatics- MNRS
2017	Visiting Professor- Faculty of Nursing-University of Alexandria- Egypt
2016	Mary Hana Memorial Journalism award Journalism award- American Society of Peri-anesthesia Nursing.
2009-2010	American Nurse Foundation (ANF)- Margretta Madden Styles Scholar
2009	Dissertation Award, Midwest Nursing Research Society (MNRS)
2008	Best Post-Doctoral Poster Award, Research Show Case- Case Western Reserve University
2007	Graduate Student Poster Award, International Nursing Administration Research (INARC)

II. SCHOLARSHIP**A. AREAS OF RESEARCH INTEREST**

Nursing workforce and teamwork, work environment (culture and climate), leadership, occupational safety, safety and quality, organizational behavior, quantitative research.

B. PUBLICATIONS

Peer Reviewed Data-based Papers. Students' names are underlined.

1. **Farag A.**, Moon, C., & Qian, O. (2021). Work and personal characteristics associate with sleep behavior among acute care nurses. *Journal of nursing regulation*, 12 (1), 40-51
2. Penzo R, **Farag A**, Whitaker K, Qian X, Curr L. (2021). A Comparison of Occupational Physical Activity and Sedentary Behavior Patterns of Nurses Working 12-Hour Day and Night Shifts. *International journal of Nursing Studies*. In press
3. Hu R., **Farag A.**, Björk KM., Lendasse A. (2021) ELM Feature Selection and SOM Data Visualization for Nursing Survey Datasets. In: Cao J., Vong C.M., Miche Y., Lendasse A. (eds) Proceedings of ELM2019. ELM 2019. Proceedings in Adaptation, Learning and Optimization, vol 14. Springer, Cham. https://doi.org/10.1007/978-3-030-58989-9_11
4. Hu R, **Farag A**, & Lendasse A. (2020). Using machine learning to identify variables influencing nurses' willingness to report medication errors. *Array* 8, 10049.

5. Groves, P, **Farag, A**, Bunch J. (2020). Strategies for and barriers of fatigue management among acute care nurses. *Journal of Nursing Regulation*. 11 (2), 1-8.
6. **Farag A**, Vogelsmeier, A; Knox, K., Perkhounkova, Y, Burant, C, Hien, M. (2020). Predictors of Nursing Home Nurses' willingness to Report Medication Near-Miss *Journal of Gerontological Nursing*. 46(4), 21-30. doi: 10.3928/00989134-20200303-03
7. Manges, K; Groves, P. **Farag A**; Peterson R; Harton, J; Greysen, R. (2019). A mixed methods study examining teamwork shared mental models of the interprofessional team during hospital discharge. *BMJ Quality and Safety*. Epub ahead of print doi: 10.1136/bmjqs-2019-009716
8. **Farag, A**, Lose, D & Gedny-Lose, A. (2019) Nurses 'safety motivation: examining predictors of nurses' willingness to report medication errors. *Western Journal of Nursing Research*, 41(4), 954-972. doi: 10.1177/0193945918815426.
9. Huber, D., Joseph, ML., **Farag, A.** & Watson C. (2018). Nurse leader DNP capstone projects: An action framework. *Journal of Doctoral Nursing Practice*, 11, (2) 100-106.
10. Vogelsmeier, A., Anderson, RA., Anbari, A., Ganong, L., **Farag, A.**, & Niemeyer, M. (2017). A Qualitative Study Exploring Nursing Home Nurses Sensemaking to Detect Medication Order Discrepancies. *BMC Health Services Research*.17:531. doi: 10.1186/s12913-017-2495-6
11. **Farag, A.**, Blegen, M., Gedny-Lose, A., Lose, D. & Perkhounkova, Y. (2017). Nurses Voluntary Medication Errors Reporting: Examining the Association with Work Environment and Social Capital. *Journal of Emergency Nursing*, 43(3), 246-54. doi: 10.1016/j.jen.2016.10.015. (2018 author of the year award)
12. **Farag, A.**, Tullai-McGuinness, S., Anthony, M.& Burant, C (2017). Do Leadership Style, Unit Climate, and Safety Climate Contribute to Safe Medication Practices? *Journal of Nursing Administration*. 47(1),8-15. doi: 10.1097/NNA.0000000000000430.
13. Groves, P.S., Bunch, J.L., **Farag, A.**, Manges, K., Perkhounkova, Y., & Scott-Cawiezell, J. (2016). Priming patient safety through nursing handoff communication: A simulation pilot study. *Western Journal of Nursing Research*. Advance online publication. [10.1177/0193945916673358](https://doi.org/10.1177/0193945916673358).
14. **Farag, A.** & Anthony, M (2015). Examining the relationship among ambulatory surgical settings work environment, nurses' characteristics and medication errors reporting. *Journal of Per-anesthesia Nursing*. doi:10.1016/j.jopan.2014.11.014 (Mary Hana Memorial Journalism award Journalism award)
15. Vogelsmeier, A., Anbari, A., Ganong, L., Anderson, R., Oderda, L., **Farag, A.**, & Madsen, R (2015). Detecting Medication Order Discrepancies in Nursing Homes: How RNs and LPNs Differ. *Journal of Nursing Regulation* 6(3), 48-56
16. **Tullai-McGuinness, S., Riggers, J., & Farag, A. A.** (2011). Work environment characteristics of high-quality home healthcare agencies. *Western Journal of Nursing Research*, 33(6), 745-766.
17. Jones, K., Tullai-McGuinness, S., Dolansky, M., **Farag, A. A.**, Krivanek, M. J., & Matthews, L. (2011). Expanded adult day program as an option for post-acute care. *Policy, Politics and Nursing Practice*, 12(1), 18-26.
18. **Farag, A. A.**, Tullai-McGuinness, S., & Anthony, M. (2009). Nurses' perceptions to their nurse manager's leadership style and unit climate: are there generational differences?

Journal of Nursing Management, 17, 26-34.

19. Anthony, M., Tullai-McGuinness, S., Capone, L. & **Farag, A.** (2008). Decision making autonomy and control over practice: are there variations across generational cohorts? [abstract] *Journal of Nursing Administration*, 35 (5), 211.

Non-Data based papers

1. Pruinelli L; **Farag A**; Looman W; McKechnie C; Monsen K; Van Gelderen S, Dunn-Lopez K. (2020). The symbiotic relationship between family nursing and data science. *CIN plus*, 38 (8), 375-380.
2. Dunn-Lopez, K., Castner, J., Pruinelli, L., Schoville, R., Pischotty, R., **Farag, A.**, Abusalem, A., Monsen, K. (2018). Shared Passion at the Nexus of Nursing Informatics, Systems, Policy, and Research: Midwest Nursing Research society Advances the State of the Science. *CIN: Computers, Informatics, Nursing* 36(1):5-7.

Papers in review

1. * **Farag, A.**, Scott, L, Perkhounkova, Y, Saidzhada T., Hein, M. (2021). Human factors approach to evaluating personal and occupational attributes influencing nurse fatigue. *Journal of Applied Ergonomics*. In review.
2. Benzo R.M, Whitaker K.M., Xiao Q., **Farag A.** and Carr, L.J.(2021) Examining the impact of 12-hour day and night shifts on nurses' fatigue. *International journal of Nursing Studies*.
3. Melnyk B; Pavan A; Alai Tan; Kate Gawlik; Eileen Danaher Hacker; Denise Ferrell; Vicki Simpson; Charon Burda; Bonnie Hagerty; Linda Scott; Jeana Holt; Pamela Gampetro; **Amany Farag**; Steven Glogocheski; Laurie Badzek.(2021) *The State of Mental Health and Healthy Lifestyle Behaviors in Health Sciences Faculty and Students at Big 10 Universities with Implications for Action. Advances in Health Sciences Education. In review*

Papers in Progress

1. ***Farag, A.** Young, C. Evaluating pattern of nursing fatigue and shift consecutiveness using machine learning.
2. ***Farag, A.**, Scott, L, Perkhounkova, Y, Saidzhada T., Hein, M. Evaluating the moderating effect of inter-shift recovery between nurse fatigue and medication errors.
3. **Farag, A**, Wakefield B, Stewart, G, Occupational and personal predictors of Patient Aligned Care Team (PACT) members burnout.

C. GRANT FUNDING

Funded Extramural Research

Title:	Development and testing of Electronic School Medication Administration record
Role:	PI
Funding Source:	ICTS
Date:	2019-2022
Amount:	\$30,000 (direct cost)

- Title: Objective measure of nurse fatigue using artificial intelligence (AI)- powered computer vision
 Role: **PI**
 Funding Source: Injury Prevention Research Center- College of Public Health, a CDC Funded Center
 Date: 2019-2021
 Amount: **\$20,000**
- Title: Feasibility study for assessing nurses' occupational fatigue using the Sleep, Activity, Fatigue, and Task Effectiveness (SAFTE) biomathematical model"
 Role: **PI**
 Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health (NIOSH).
 Date: 2017-2019
 Amount: **\$13,079**
- Title: Keeping patients safe: Examining predictors of nurses fatigue and the moderating effect of inter-shift recovery on patients' safety outcome
 Role: **PI**, 20% effort support, # R91013
 Funding Source: National Council State Board of Nursing (NCSBN)
 Date: 2016-2019
 Amount: **\$220, 177**
- Title: Organizational trust and nurse report of medication errors.
 Role: **PI**
 Funding Source: Midwest Nursing Research Society (MNRS)- New Investigator Seed Grants
 Date: 2013-2015
 Amount: **10,000**
- Title: ER medication errors reporting: examining the role of work environment and organizational trust
 Role: **PI**
 Funding Source: Council for Graduate Education in Administration in Nursing (CGEAN)
 Date: 2013-2015
 Amount: **2,500**
- Title: Keeping patient safe: impact of leadership, unit climate and safety climate on safe medication administration practices and medication errors reporting
 Role: **PI**
 Funding Source: American Nurse Foundation (ANF)
 Date: 2009-2010
 Amount: **\$7,500**
- Title: Impact of work environment on safe medication administration practice
 Role: **PI**
 Funding Source: American Society of Peri-Anesthesia Nursing
 Dates: 2009-2010
 Amount: **\$2,000**
- Title: Designed around you (DAY): evaluating Parma healthcare system DAY program
 Role: **Co-I**, Jones (PI)

Funding Source: Parma Community Hospital Foundation
 Date: 2008-2009
 Amount: **\$5,000**

Title: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention

Role: **PI**
 Funding Source: Sigma Theta Tau International- Alpha Mu Chapter
 Date: 2007-2008
 Amount: **\$500**

Funded Intramural Research

Title: Keeping patients safe: examining predictors of nurse fatigue and the moderating effect of inter-shift recovery on patients' safety outcome- Supplemental Grant

Role: **PI**
 Funding Source: Kelting Dean Award
 Date: 2017-2019
 Amount: **20,000**

Title: Medication error reporting in Long Term Care Facilities (LTC)

Role: **PI**
 Funding Source: Hartford Center for Geriatric Excellence in Nursing (HCGEN)
 Date: 2013-2015
 Amount: **\$15,000**

Title: Evaluating effectiveness of relationship-based nursing (RBN) model on nurses and patients' outcomes

Role: **Co-I** (Anthony, PI)
 Funding Source: Kent State University Internal fund & University Hospitals of Cleveland, Case Medical Center
 Date: 2010-2011
 Amount: **\$5,000**

Title: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention

Role: **PI**
 Funding Source: Frances Payne Bolton School of Nursing Alumni Grant
 Date: 2007-2008
 Amount: **\$500**

Pending (Under review) Grants:

Title: Keeping patients safe: patient and nurse characteristics associated with nurse judgments about safety concerns expressed by hospitalized patients in minority and other health disparity populations

Role: **Co-I** (Groves PI) 10% effort support
 Funding Source: National institute of Health (NIH)-R21/Health Disparities and Equalities Promotion (HDEP)
 Date: 2021
 Amount: **\$451,194**

Industry Sponsored Grants:

Title: Evaluating the usability and feasibility of using SleepTank to improve nurse's sleep quality
 Role: **PI**
 Funding Source: Institute of Behavioral Research (IBR)
 Date: 2020-2021
 Amount: **\$8,100**

Non-Research Grants (e.g. clinical projects, conference grants)

Title: Hawkeyes in Haiti
 Role: **Co-lead** (Achenbach, project lead) 10% effort support
 Funding Source: Code Foundation
 Date: 2018-2023
 Amount: **Up to \$85,300**

Consultant on Grants

Title: From emergency to community: Implementing social needs screening and referral infrastructure using health information technology
 Role: **Consultant** (Wallace, PI)
 Funding Source: Agency for Healthcare Research and Quality (AHRQ)-R21
 Date: 2018-2020
 Amount: **\$196,000**

Title: Nursing home nurses' sensmaking to detect medication order discrepancies
 Role: **Consultant** (Vogelsmeier, PI)
 Funding Source: National Council State Board of Nursing (NCSBN)
 Date: 2013-2015
 Amount: **\$216,521**

Unfunded Extramural Grants and Letters of Intent:

Title: Smart Fatigue Risk Management in Nursing: Data Driven Fatigue Modeling, Prediction, and Mitigation
 Role: PI (MPI-Chen & Zhou Co-PIs)
 Funding Source: National Science Foundation/National Institute of health
 Date: 2021
 Amount: \$791,737

Title: Developing and Evaluating the Impact of a Tailored Fatigue Management Decision Support System on Nurses' Outcomes
 Role: **PI** 25%-50% effort support
 Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health (NIOSH).
 Date: 2020
 Amount: **\$1,500,000**

Title: Using Medication Barcode and Facial Recognition (MedBarFace) to Improve Medication Administration Safety at Schools
 Role: **PI** 25%-50% effort support
 Funding Source: Agency for Healthcare Research and Quality (AHRQ)-R-18
 Date: **2019 (Will be resubmitted in May 2022)**
 Amount: **\$1,116,764**

Title: Culture of Health Through AI route
 Role: **PI** 20% effort support
 Funding Source: Robert Wood Johnson Foundation- Pioneering ideas
 Date: 2018
 Amount: **\$335,000**

Title: Evaluating predictors of nurse managers' fatigue and its impact on their cognitive function
 Role: **PI**
 Funding Source: American Organization of Nurse Executive (AONE)
 Date: 2018
 Amount: **\$50,000**

Title: Arthur Street Healthy Life Center: Nurse-led community placed clinic for patients with serious mental illness and their families
 Role: **Co-I** (Daack-Hirsch & Judge-Ellis MPIs) 10% effort support
 Funding Source: Rita & Alex Hillman Foundation
 Date: 2018
 Amount: **\$600,000**

Title: An Examination of the CNL Interdependency Role with Nurse Managers and its Effect on Unit Outcomes
 Role: **Co-I** (Joseph-PI)
 Funding Source: American Organization of Nurse Executives (AONE)
 Date: 2018
 Amount: **\$50,000**

Title: A feasibility study for assessing nurse fatigue using multi-method approach
 Role: **PI**
 Funding Source: University of Iowa Institute of Clinical and Translational Science
 Date: 2016
 Amount: **\$75,000**

Title: Assessing predictors of fatigue among hospital nurses and examining the effectiveness of tailored fatigue countermeasure intervention
 Role: **PI** 20% effort support
 Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health (NIOSH).
 Date: 2015
 Amount: **\$609,849**

Title: The relationship between nurses' fatigue and driving performance
 Role: **PI**
 Funding Source: Safety Research using Simulation (SAFERSIM) University Transportation Center
 Date: 2014
 Amount: **\$65,862**

Title: Effect of work environment and organizational trust on medication error reporting in Emergency Rooms
 Role: **PI**
 Funding Source: Sigma Theta Tau International (STTI)
 Date: 2012
 Amount: **\$5,000**

D. RESEARCH PRESENTATIONS

International Keynote/invited (* research presentations)

<u>Date</u>	<u>authors, title, meeting, location</u>
2017	* Farag, A. Building research trajectory: An actual example. Faculty of Nursing. University of Alexandria, Alexandria- Egypt.
2017	Farag, A. High reliability organization: new concept in health systems. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2017	Farag, A. Studying and working abroad: opportunities, obstacles, and Challenges. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2017	Farag, A. International publications: A reviewer's perspective. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2016	Farag, A. ER medication error reporting: examining the role of the work environment and organizational trust. INARC, Orlando, FL

International Podium Presentations (* research presentations, students' names are underlined)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2020	* Farag, A. , Chen, Y. Nurse fatigue patterns: A machine learning approach based on Hidden Markove Model. Association for Leadership Science in Nursing (ALSN). Virtual
2019	* Farag, A. <u>Hu, R.</u> , Lendasse, A. Using Extreme Learning Machine (ELM) and Self Organizing Map (SOM) Data Visualization to Understand Complexity of Nurses' Decision to Report Medication Errors. Association for Leadership Science in Nursing (ALSN) (Formerly named INARC), Los Angeles, CA.
2018	* <u>Hu R.</u> , Farag A. , & Lendasse A. ELM feature selection and SOM data visualization for nursing survey dataset. The International Conference on Extreme Learning Machines (ELM2018). Marina Bay Sands, Singapore.
2018	* Farag, A. , Hand, L., <u>White, T.</u> , Perknkova, E., Hein, M., <u>Tannaz, S.</u> Prez, J. Feasibility of using ecological momentary assessment to evaluate nurse fatigue. INARC, Atlanta, GA
2013	* Farag, A. Medication error reporting: do work environment and medication practices matter? Sigma Theta Tau International, Indianapolis, IN
2011	Anthony, M., Farag, A. A. , Vidal, K., Lukosavich, B., Reeber, C. Determinants of relational capital on outcomes: building care relationships. INARC, Denver, CO.
2011	* Farag, A. A. , Anthony, M. Impact of nurse manager's leadership style and unit climate on nurses' willingness to report medication errors. INARC, Denver, CO.
2009	* Farag, A. A. , Anthony, M., Burant, C. Nurse turnover intention: A multigenerational perspective. International Nursing Research Administration Conference (INARC). Maryland. WA

International Poster Presentations (* research presentations)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2013	* Farag, A. , Anthony, M. Medication error reporting: Does organizational trust provides an answer? INARC, Baltimore, WA.
2007	* Farag, A. A. , Anthony, M., Tullai-McGuinness, S., Jones, K., Zausniewski, J., Burant, C. Multigenerational nursing workforce value differences and work environment: Impact on RNs turnover intentions. International Nursing Research Administration Conference (INARC). Indianapolis, IN. (Best graduate student poster award)

National/Regional Keynote/invited Presentations (* research presentations)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2018	* Farag, A. Nurse and Patient safety outcomes: A human factor engineering approach. Invited presenter- recipient of Barbra Roger's Endowed Lectureship Award, Mississippi Medical Center, Jackson, MI.
2018	Farag, A. Shift workers' fatigue what we know and where we need to be. Invited presenter at Nebraska Safety Council Annual Meeting. Nebraska, WI.

National/ Regional Podium Presentations (* research presentations, student names are underlined)

2021	Etker, T, Singh, M, Farag, A. , Vinyard, A. Interprofessionalism in Healthcare Improvement. National VA summer Institute. August 2021.
2021	Farag A. Invited presenter. Keeping patients safe: Examining predictors of nurses fatigue and the moderating effect of inter-shift recovery on patients' safety outcome. National Quality symposium, National Council State Board of Nursing (virtual-March 2021).
2021	Farag, A. Invited guest lecture T32 Interdisciplinary Training in Cancer, Caregiving, & End-of-Life Care. University of Utah, College of Nursing (March 23rd 2021)
2020	Farag A. Invited visiting scholar university of Michigan-School of Nursing (December 2020)
2016	* Farag, A. Examining predictors of nurses' willingness to report medication errors. MNRS, Minneapolis.
2013	* Farag, A. , Anthony, M. Predictors of medication error reporting in ambulatory surgical centers. MNRS, Chicago, IL.
2011	*Vidal, K., Anthony, M., Farag, A. A. , Lukosavich, B., Reeber, C. Defining nursing practices supportive of quality outcomes and patient safety. ANCC National Magnet Conference, Baltimore, MD.
2010	*Jones, K., Tullai-McGuinness, S., Dolansky, M., Farag, A. A. D.A.Y. Program: innovative transitional care. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington DC.
2010	*Jones, K., Tullai-McGuinness, S., Dolansky, M., Farag, A. A. , Krivanek, M. D.A.Y. (Designed Around You): Evaluation of an innovative transitional care program. MNRS, Kansas City, MO.
2006	* Farag, A. A. , Nassar, M., Naguib, M., El-Biale, G. Helathcare quality as perceived by healthcare providers and consumers in two ministry of health hospitals in Alexandria, Egypt. CANS State of the Science Congress, Washington DC.

- 2006 ***Frag, A. A.**, Nassar, M., Naguib, M., El-Biale, G. (2006). Healthcare quality as perceived by healthcare providers and consumers in two ministry of health hospitals in Alexandria, Egypt. MNRS, Milwaukee, WI.

National/ Regional Poster Presentations (* research presentations, student names are underlined)

- | <u>Date</u> | <u>Authors, title, meeting, location</u> |
|-------------|---|
| 2019 | <u>Walden, J.</u> , Frag, A. , Butcher, H. Nurse Fatigue: A concept analysis. MNRS, Kansas City, MO. |
| 2019 | *Manges, K., Groves, P., Frag, A. , Peterson, R., Greysen, R. Measuring shared mental models of interprofessional discharge teams: A pilot study. The 25 th Annual NRSA Trainees Research Conference. Washington DC. |
| 2019 | *Manges, K., Groves, P.G., Frag, A. , Peterson, R., Greysen, R. Measuring shared mental models of interprofessional discharge teams: Implications for research and quality improvement. Academy Health Conference. Washington, DC. |
| 2018 | * <u>Manges, K.</u> , Groves, P., Peterson, R., & Frag, A. Ready, Set, Discharge: Piloting a measurement approach for assessing Discharge Teams' Shared Mental Models. MNRS, Cleveland, OH |
| 2014 | * Frag, A. , <u>Lose, D.</u> Predictors of nurse willingness to report medication errors. Academy Health Annual Research Meeting. San Diego, CA. |
| 2012 | *Anthony M. Vidal, K & Frag, A. A relationship focused model of care: Structural and process predictors of discharge readiness. MNRS, Dearborn, MI. |
| 2011 | * Frag, A. A. , Anthony, M., McGuinness, S., Burant, C. Keeping patient safe: work environment predictors' safety climate and safe medication practices. MNRS, Columbus, OH. |
| 2011 | *Anthony, M., Vidal, K., Frag, A. A. , Lukosavich, B., Reeber, C. Relationship focused model of care: Structure and discharge predictors of discharge readiness. MNRS, Columbus, OH. |
| 2010 | *Jones, K., Tulla-McGuinness, S., Dolansky, M., Frag, A. A. Adult Day Care: A viable transitional care option. Boston, MA. |
| 2009 | *Tullai-McGuinness, S., Rigges, J., Frag, A. A. Work environment characteristics of high quality home health care agencies. MNRS, Minneapolis, MN. |

Local Keynote/invited (* research presentations, student names are underlined)

- | <u>Date</u> | <u>Authors, title, meeting, location</u> |
|-------------|--|
| 2020 | Frag, A. Patient safety and nurses' wellness. University of Iowa diversity seminar. Iowa City, IA. |
| 2019 | * Frag, A. Nurse fatigue: what do we know and what are the next steps. UIHC grand round, Iowa City, IA. |
| 2017 | * <u>Lose, D.</u> , <u>Lose-Gedney, A.</u> , Frag A. Understanding nurses willingness to report medication errors in the Emergency Department. Invited Speaker, UIHC, Surgical conference, Iowa City, IA. |
| 2015 | * Frag, A. Nurses' voluntary medication error reporting: A decision making challenge. Invited speaker, UIHC grand round, Iowa City, IA |

- 2015 ***Farag, A.** Nurses' willingness to report medication errors: issues and challenges. Invited speaker, the University of Iowa Hospitals and Clinics (UIHC) Evidence Based Practice Conference. Iowa City, IA
- 2014 **Farag, A.** From bedside to press Issues and Challenges. Invited Keynote Speaker. Genesis Research Summit. Davenport, IA

Local Podium Presentations (* research presentations, student names are underlined)

- | <u>Date</u> | <u>Authors, title, meeting, location</u> |
|-------------|--|
| 2011 | * <u>Anthony, M., Vidal, K., Farag, A., Lukosavich, B., Reeber, C.</u> Results from relationship-based nursing study: Do caring relationships improve outcome. Case Medical Center Nurses week event. Cleveland, OH. |
| 2009 | * <u>Jones, K., Tullai-McGinness, S., Dolanesky, M., Farag, A. A.</u> Hospital to home transition: Designed around you (DAY) program. Case Western Reserve University, Research Showcase. Cleveland, OH. |

Local Poster Presentations (* research presentations, student names are underlined)

- | <u>Date</u> | <u>Authors, title, meeting, location</u> |
|-------------|--|
| 2016 | * <u>Gedney-lose, A, Lose D, Farag, A.</u> Understanding nurses' willingness to report medication errors in the emergency department. UIHC Quality and Safety annual conference. Iowa City, IA. |
| 2008 | * Farag, A., <u>Anthony, M., Tullai-McGinness, S., Jones, K., Zausniewski, J., Burant, C.</u> Nurses' turnover intention: A new perspective. Case Western Reserve University, Research Showcase. Cleveland, OH. (Best post-doctor poster award) |
| 2007 | * Farag, A., <u>Anthony, M., Tullai-McGinness, S.</u> Multigenerational value difference fact or artifact. The Cleveland Clinic Foundation Nursing Day. Cleveland, OH. |

III. SERVICE

A. PROFESSIONAL SERVICE

Professional Organizations

- | | |
|--------------|---|
| 2021-Present | AONL Foundation/ASLN Research Advisory Group |
| 2020-present | National Va Quality Scholars Program (VAQS)
Co-Director Iowa City Site
2021 National VA Quality Scholars Summer Institute
Abstract reviewer
2021 John Batilden Award selection committee
2021 Raising star Award Committee
2020 National VA quality Scholars Summer institute,
Abstract reviewer |
| 2018-present | American Organization of Nurse Leaders (AONL)
Member |
| 2014-Present | Academy Health
Member
2014 Abstract reviewer |
| 2009-2014 | American Society of Peri-anesthesia Nurses
Member |
| 2012 | Institute of Healthcare Improvement (IHI)
Abstract reviewer |

2005-present	Sigma Theta Tau International Member
2005-present	Midwest Nursing Research Society (MNRS) 2019- Grant reviewer 2019- Health systems research, informatics, and policy research interest group past co-chair 2018- Health systems research, informatics, and policy research interest group co- chair 2017- Health systems research, informatics, and policy research interest group co- chair elect 2013- present abstract reviewer
2005-2006	Council of Advanced Nursing Science Member
2005-present	Association of Leadership Science in Nursing (ALSN) Member 2015-present Abstract reviewer
2003-2009	Egyptian Student Association of North America Member 2005-2009 vice presentient
2015-present	Iowa Nurse Leaders (IONL) Member

Journal Reviewer

2020-Present	Journal of Applied Ergonomics
2019- present	British Medical Journal-Open (BMJ-Open) (invited reviewer)
2016-present	Journal of Nursing Gerontology (Invited reviewer)
2015- present	Journal of Nursing Management (invited reviewer)
2015-present	Journal of Global Health (Invited reviewer)
2013-present	Nursing Outlook
2008-present	Research in Nursing and Health
2006-present	Journal of Nursing Education and Practice (Invited reviewer)

B. COLLEGIATE

University of Iowa College of Nursing

<u>Date</u>	<u>Position (Chair, member), Committee</u>
2021	PhD Admission and Progression 2021 Chair 2019-2020 Member
April 2019	CON strategic planning committee Member
2019-present	Association of Graduate Nursing Students (AGNS) Co-Advisor
2019-2021	The big10- wellness initiative College representative
2018-present	Nomination sub-committee 2013-2017 member 2018-present chair

2017	CON Dean Search Committee Member
2016-2019	Health systems DNP admission and progression committee Member
2016- 2017	CON residency program evaluation Member
2015-present	CON undergraduate student's grievance committee Member
2015- 2019	CON Philanthropy committee Member
2015-2019	MSN/CNL admission and progression committee Member
2015-2019	Class of 2018 early admission students mentoring team Member
2015	PhD three paper option task force Member
2014-2017	Undergraduate Public Health Posters Showcase Evaluator
2014-Present	Council on Faculty Member [elected for two terms]
2013-present	DNP health systems curriculum committee Member
2012- present	CON PhD forum Member
2012-present	CON DNP forum Member

C. UNIVERSITY

<u>Date</u>	<u>Position (Chair, member), Committee</u>
2021-present	JJ Neiman-Brown Memorial Fund Board member
2020-present	College of Public Health-Occupational Injury Expert Research team Member [Invited position]
2020-present	University of Iowa Faculty Council Member [elected position]
2019-present	University of Iowa Center for Diversity Inclusion and Enrichment Invited presenter on 2020 Diversity Seminars
2019-present	University of Iowa Council on Women Status Member [elected position]
2019-present	University of Iowa Summer Health Professionals Enrichment Program (SHPEP) meeting. Invited Panelist
2018 & 2017	Belin-Blank Junior Science and Humanities Symposia (JSHS) Program Invited Presenter
2017 & 2018	University of Iowa Hospitals and Clinics (UIHC) Invited poster evaluator for the UIHC quality and safety annual conference
2017	University of Iowa Hospitals and Clinics (UIHC) Invited abstract reviewer UIHC- quality and safety annual conference
2015-2019	UIHC Quality and Safety Committee

2015- present	Member UIHC Evidence Based Practice Conference Planning Committee Member Abstract reviewer
2015	Poster awards judge Iowa Edge Program Presenter

D. COMMUNITY (Professionally relevant only)

<u>Date</u>	<u>Position (Chair, member), Committee, Organization</u>
2015- present	Sexual Assault Nurse Examiner (SANE)-College of Nursing
2013-present	Member on Genesis Health System Nursing Research and Evidence Based Practice committee. Genesis Health System.

IV. TEACHING**A. COURSE INSTRUCTION** (&10% research buy-out,*20% research buy-out; **30% research buy-out)

<u>Date</u>	<u>University</u>	<u>Program</u>	<u>Course Number & Title</u>
Spring 2021	Iowa	PhD	NURS:7003 Quantitative Research
		PhD	NURS:7805 Dissertation Research
Fall 2020	Iowa	PhD	NURS:7805 Dissertation Research
Spring-2020	Iowa	PhD	NURS:7805 Dissertation research
		DNP	NURS:6828 Doctor of Nursing Practice Project III
&Spring-2019	Iowa	PhD/DNP	NURS:5017 Quality and Safety
		PhD	NURS:7805 Dissertation research
**Fall-2018	Iowa	DNP	NURS:6827 Doctor of Nursing Practice Project II
		PhD/ DNP	NURS:5017 Quality and Safety
**Summer-2018	Iowa	DNP	NURS:6826 Doctor of Nursing Practice Project I
		PhD	NURS:7509 Research Residency
**Spring-2018	Iowa	PhD	NURS:7805 Dissertation Research
		PhD	NURS:7804 Research Practicum
**Fall-2017	Iowa	PhD/DNP	NURS:7805 Dissertation Research
		PhD	NURS:5017 Quality and Safety
*Spring-2017	Iowa	PhD	NURS:7804 Research Practicum II
		PhD	Nurse:7803 Research Practicum I
		DNP	NURS:6825 Doctor of Nursing Practice Project
		PhD	NURS:7804 Research Practicum II
		PhD	Nurse:7803 Research Practicum I
*Fall-2016	Iowa	DNP	NURS:6825-0EXJ Doctor of Nursing Practice Project
		DNP	NURS:6825-0EXI Doctor of Nursing Practice Project
		PhD/DNP	NURS:5017 Quality and Safety
*Spring-2016	Iowa	DNP	NURS:6825 Clinical Leadership Project
Fall-2015	Iowa	DNP	NURS:6825 Clinical Leadership Project
		PhD/DNP	NURS:6554 Seminar on Healthy Work Environment

Spring-2015	Iowa	PhD/DNP DNP	NURS:5017 Quality and Safety NURS:6825 Clinical Leadership Project
Fall-2014	Iowa	PhD/DNP DNP	NURS:6554 Seminar on Healthy Work Environment NURS:6825 Clinical Leadership Project
Spring-2014	Iowa	PhD/DNP DNP	NURS:5017 Quality and Safety NURS:6825 Clinical Leadership Project
Fall-2013	Iowa	DNP	NURS:6825 Clinical Leadership Project
Spring- 2013	Iowa	PhD/DNP	NURS 5017 Quality and safety
Spring 2012	Alexandria	MSN	1008704 Organizational Theories, didactic.
	Alexandria	MSN	1008703 Administration strategies II.
	Alexandria	BSN	Clinical role of nurse manager.
Fall 2011	Alexandria	Masters	1008704 Organizational Theories,
	Alexandria	Masters	1008702 Administration strategies I.
	Alexandria	BSN	Clinical role of nurse manager.
Spring 2011	Alexandria	Masters	1008704 Organizational Theories.
	Alexandria	Masters	1008703 Administration strategies II.
	Alexandria	BSN	Clinical role of nurse manager.
	Kent State	RN-BSN	Nursing Research and Evidence Based Practice
Fall 2010	Alexandria	Masters	1008704 Organizational Theories.
	Alexandria	Masters	1008702 Healthcare Administration strategies I.
	Alexandria	BSN	Clinical role of nurse manager.
	Kent State	RN-BSN	Nursing Research and Evidence Based Practice
Spring 2010	Case Western Reserve	DNP	NURS: 425 Nursing Research and Evidence Based Practice [Co-teaching]
Fall 2009	Case Western Reserve	PhD	NURS:615 Advanced Multivariate Analysis [TA]
Spring 2009	Case Western Reserve	PhD	NURS: 615 Advanced Multivariate Analysis [TA]
AY1999-2002	Alexandria	BSN	Introduction to Nursing Administration Clinical role of nurse manager
AY 1994-1999	Alexandria	BSN	Clinical role of nurse manager

B. STUDENTS MENTORED

PhD Dissertations (College of Nursing)

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Title of Dissertation</u>
2020- Present	Sugandha Aggarwal	Co Member	Fatigue and Heart disease
2018- Present	Julie Walden	Chair	Caring in Nursing
2018- present	Katie Knox	Co. Member	Evaluation of nurse residency program
2017- Present	Kathy Schwartz	Chair	Latent class analysis of Women with Circulatory problems
2016-	Ahmed Al-Saaidi	Chair	Role of Self-leadership on nurse work life balance.

present

2016- 2018	Erica Davison	Co. Member	Care coordination for CHF patients
2015- 2018	Kirstin Manges	Co. Member	The influence of interdisciplinary team shared mental model on the quality of patient discharge.
2015- 2017	Lister Onsongo	Co. Member	The nursing practice culture in Kenya and use of pain management guidelines in adult cancer pain management. A focused ethnography.

PhD Dissertations (University)

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Title of Dissertation</u>
2017- present	Roberto Benzo (College of Liberal Arts and Science- Human Physiology department)	Co. Member	Examining fatigue, sleep, leaser and work activity among nurses
2017- 2019	Renjie Hu (College of Engineering- Industrial Engineering department)	Co. Member	ELM data selection and SOM feature data visualization (industrial engineering).

DNP Projects

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Project title</u>
Spring 2016	Erin Christensen	Co. Member	Effective tool in promoting behavior change in overweight and obese children.
	Kathleen Fear	Co. Member	Advanced Radiation Safety Education for Fluoroscopy
	Barbara Masters	Co. Member	Improving Outcomes for Patients with Depression and Diabetes in Primary Care
	Vivian Ochola	Co. Member	Improving Self-Care Management Skills and Utilization in Persons with Diabetes Using Shared Medical Appointments
	Daniel Scholl	Co. Member	Appropriate Dosing for Stress Steroid Replacement Therapy: An Evidence Based Algorithm
	Bret Renshaw	Co. Member	Development of an Interprofessional Comprehensive Wound Program
	Jane Day Andrea Achenbach	Co. Member Co. Member	Improving Perioperative Glycemic Control Implementation and Evaluation of a Nurse Practitioner Led Health Coaching Program
Spring 2015	Jennifer Nutt	Chair	Increasing Access to PICC Line Insertion Services for Critical Access Hospitals
	Kimberley Donald	Co. Member	Implementation of a Smartphone Calorie Counter App to Improve Patient Weight Loss
	Sara Griffin	Co. Member	Perioperative Identification and Consultation of Opioid Tolerant Patients

	Nick Poch	Co. Member	Reducing Central Line Associated Blood Stream Infections in the Surgical and Neurosciences Intensive Care Unit
	Ryan Flug	Co. Member	Triage of New Inmates in the Jail Setting: The Essential Role of Communication During the Booking Process
	Jennifer Kuntz	Co. Member	Nursing Action Plan for a Difficult Airway
	April Roe	Co. Member	Addressing Practice Issues Through the Design and Implementation of a Nurse Peer Review Program
Spring 2014	Kristin Carne	Co. Member	Development of a Pediatric Specific Pre-anesthesia Evaluation Tool
	Melanie Burja	Co. Member	Geriatric Postoperative Delirium: Prevent and Manage to Improve Outcomes
	Greggory Sutton	Co. Member	Preoperative Angiotensin Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Management
	Amanda Wyatt	Co. Member	Perioperative Management of Adult Patients
	Elizabeth Miller	Co. Member	Obesity Management in Primary Care: An Evidence-Based Approach
	Alicia Duyvejonck	Co. Member	An Evidence-Based Approach to Delirium Care: The Role of the Doctorally Prepared Nurse Practitioner
	Heather Elmore	Co. Member	Improving Identification & Outcomes of the Critically-Ill Pediatric Patient in the Emergency Department
	Michael Pomeroy	Co. Member	Anesthesia Guideline for Functional Endoscopic Sinus Surgery
	Lauren Ringe	Co. Member	Sound Segue: Improving Health Care Transition for Children and Youth with Special Health Care Needs
	Amber Thornburg	Co. Member	Improving Perceptions and Uptake of Influenza Vaccination Among College Students Through Use of Social Media (Twitter)
<u>Master Thesis</u>			
Summer 2020	Aditya Gune (College of Engineering)	Co. Member	Mixture Hidden Markove Model for Clustering of Nurse Fatigue Patterns

Graduate mentoring (PhD students)

<u>Date</u>	<u>Name</u>	<u>Mentoring area</u>
Spring 2017-	Katie Knox	Quantitative data analysis

present		Factor analysis
Spring 2017-	Julie Walden	Quantitative data analysis
Summer 2018		Mixed method research
		Concept analysis
Spring 2017	Hind Marami	Quantitative data analysis

Graduate mentoring (DNP students)

<u>Date</u>	<u>Name</u>	<u>Role</u>
2015-2016	Amalia Gedeny-Lose	Research mentor
2014-2016	Denial Lose	Research mentor

Undergraduate mentoring

<u>Dates</u>	<u>Name</u>	<u>Role</u>
2017-present	Teagan White	Research mentor
2017-present	Brandon Schleder	Research mentor
2015-2018	Megan Lough	Research mentor and worked with Megan on her Fulbright application.
2017-2018	Katie Shamnski	Research mentor
2014-2016	Amalia Jones	Research mentor
2014-2015	Catrina Jargo	Research mentor

V. CONTINUING EDUCATION

<u>Date</u>	<u>Agency, Location</u>
September 2021	NIH/NINR AI Bootcamp
June 2017	ICTS Summer Institute, Washington DC
MAY 2016	Large Data Summer School. Iowa State University, Ames, IA
December 2015	Designing Blended Class/ University of Iowa, Teaching Services, IA
June 2015	Large Data Base and Informatics meeting. University of Minnesota. Minnesota
March 2015	Appreciative Inquiry (AI) Training. Weatherhead School of Management. Case Western Reserve University. Cleveland, Ohio
June/July 2014	The science of Quality and Safety. John's Hopkins University, On-line 6 weeks course
October 2014	TILE class workshop. University of Iowa Teaching Services
May 2014	Sexual Assault Nurse Examiner Training. College of Nursing- University of Iowa
April 2013	Agency for Healthcare Research and Quality (AHRQ) Team Steps Master Trainer