

# **Columbus State University**

## **Faculty Research and Creative Endeavors Celebration**

### **November 8, 2023**

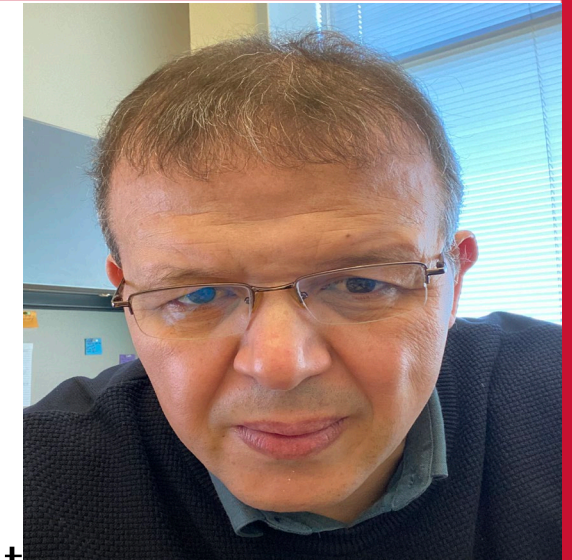


COLUMBUS STATE  
UNIVERSITY  
GRADUATE SCHOOL



COLUMBUS STATE  
UNIVERSITY  
CSU LIBRARIES

**Mohamed Riduan Abid, Associate Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Book Chapter**

Bourhnane, S., **Abid, M.R.**, Zine-Dine, K., Elkamoun, N., & Benhaddou, D. (2022). Energy efficient wireless sensor networks-microcontrollers, wireless communication technologies, and operating systems: A survey. In J. Kacprzyk, V.E. Balas, & M. Ezziyyani (Eds.), *Advanced Intelligent Systems for Sustainable Development* (Vol. 2, pp. 809-837). Springer Publishing. [https://doi.org/10.1007/978-3-030-90639-9\\_67](https://doi.org/10.1007/978-3-030-90639-9_67)

**Conference Papers**

Dahi, O., Aboulfoujja, M., Akiour, M., Elbouardi, B., Choukri, A., & **Abid, M.R.** (2022). Microservices containerization in SBCs (single board computers): A cloud edge computing approach. *Proceedings of the 5th Artificial Intelligence and Cloud Computing Conference*, 49-58. <https://doi.org/10.1145/3582099.3582108>

Bourhnane, S., Abongmbo, S., Fan, L., Shi, J., Gamarra, C., **Abid, M.R.**, Anan, M., & Benhaddou, D. (2022). A parallelized genetic algorithms approach to community energy systems planning. *14th International Conference on Computational Intelligence and Communication Networks*, 266-272.  
<https://doi.org/10.1109/CICN56167.2022.10008362>

**Molly Claassen, Associate Professor**  
**College of the Arts**  
**Department of Theatre & Dance**

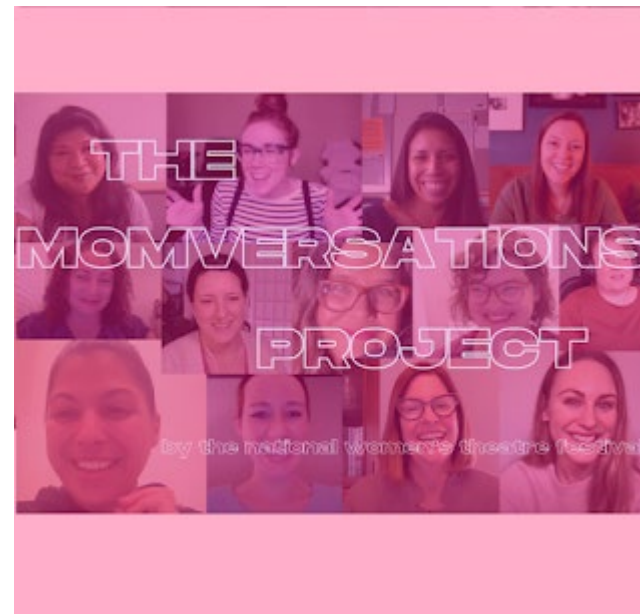


**Creative Works**

**Claassen, M., & Edwards, J.M. (Directors).** (2022, July 29/31/August 4). *The momversations project* [Play]. Titmus Theatre, North Carolina State University, Raleigh, North Carolina.

**Claassen, M., & Edwards, J.M. (Directors).** (2022, August). *The momversations project* [Play]. LEAD Conference, The Kennedy Center, Washington, D.C.

**Claassen, M., & Edwards, J.M. (Executive Producers).** (2021-2022). *The momversation podcast* [Audio podcast].



*cont'd:*

**Molly Claassen, Associate Professor**  
**College of the Arts**  
**Department of Theatre & Dance**



**Creative Works Related Commentary**

Woods, B. (2022, July 27). *A documentary theater project examines the state of motherhood today.*

Indyweek. <https://indyweek.com/culture/stage/womens-national-theatre-festival-the-momversations-project/>

Dahab, E.B. (2022, July 2). *Theatre: 'Momversations' see abortion rights as a mother's issue.* Words of choice: Up the creativity. <http://wordsofchoice.blogspot.com/2022/07/theatre-momversations-highlights.html>

The National Women's Theatre Festival. (2022). *The momversations project.*  
<https://womenstheatrefestival.com/momversations/>



**Basil Conway, Associate Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**

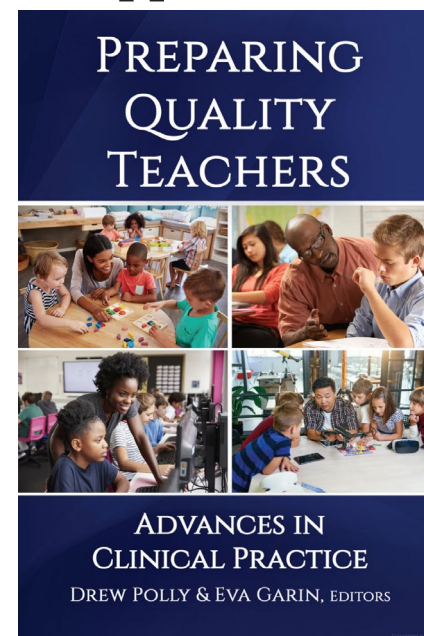


**Published Book**

**Conway IV, B. M.**, Id-Deen, L., Raygoza, M. C., Ruiz, A., Staley, J. W., & Thanheiser, E. (2022). *Middle school mathematics lessons to explore, understand, and respond to social injustice*. Corwin Press.

**Book Chapter**

Strutchens, M., **Conway, B.**, Mangram, C., Erickson, D., & Ratliff, B. (2022). Implementing the paired placement model: Foregrounding the impact on key stakeholders. In D. Polly, R. W. Burns, E. Garin, & B. Badiali (Eds.), *Preparing quality teachers: Advances in clinical practice* (pp. 357-380). Information Age Publishing.



*cont'd:*

**Basil Conway, Associate Professor  
College of Education & Health Professions  
Department of Teacher Education, Leadership, & Counseling**



**Journal Article**

**Conway, B., & Duncan, C. (2023).** Correlation or causation. *Journal of the Association of Christian Mathematical Sciences*, 9(1).



**Anna Dimitrova, Lecturer**  
**College of Letters & Sciences**  
**Department of Society, Culture, & Languages**



### **Book Chapters**

**Dimitrova, A.** (2023). Christian-Jaque (1904–1994). In M. Abecassis, M. Block, & F. Chaplin (Eds.), *The art of directing: A concise dictionary of France's film directors*. Peter Lang.

**Dimitrova, A.** (2023). Henri-Georges Clouzot (1907–1977). In M. Abecassis, M. Block, & F. Chaplin (Eds.), *The art of directing: A concise dictionary of France's film directors*. Peter Lang.

**Dimitrova, A.** (2023). Georges Franju (1912–1987). In M. Abecassis, M. Block, & F. Chaplin (Eds.), *The art of directing: A concise dictionary of France's film directors*. Peter Lang.

**Hillary Ellerman, Assistant Professor**  
**College of Education & Health Professions**  
**Teacher Education, Leadership, & Counseling**



**Journal Article**

Taylor, M., Tuttle, M., Quadlander, E., & **Ellerman, H.** (2023). Advocacy in the courtroom: Testimony training for counseling students and professionals. *Alabama Counseling Association Journal*, 45(1), 14-31.



**Guihong Fan, Professor**  
**College of Letters & Sciences**  
**Department of Mathematics**



**Journal Articles**

He, D., Ali, S.T., **Fan, G.**, Gao, D., Song, H., Lou, Y., Zhao, S., Cowling, B.J., & Stone, L. (2022). Impact evaluation of the global COVID-19 vaccination campaign. *Emerging Infectious Diseases*, 28(9), 1873-1876. <https://doi.org/10.3201/eid2809.212226>

**Fan, G.**, Song, H., Yip, S., Zhang, T., & He, D. (2022). Impact of low vaccine coverage on the resurgence of COVID-19 in Central and Eastern Europe. *One Health*, 14, 100402. <https://doi.org/10.1016/j.onehlt.2022.100402>

Lin, X., Xu, Y., Gao, D., & **Fan, G.** (2023). Bifurcation and overexploitation in Rosenzweig-MacArthur model. *Discrete & Continuous Dynamical Systems – B*, 28(1), 690-706.  
<https://doi.org/10.3934/dcdsb.2022094>

**Fan, G.**, Li, J., Belair, J., & Zhu, H. (2022). Delayed model for the transmission and control of COVID-19 with Fangcang shelter hospitals. *SIAM Journal on Applied Mathematics*, 83(1), 276-301.

**Aaron R. Gierhart, Assistant Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**



**Book Chapters**

**Gierhart, A. R.** (2023). Fostering science discourse in teacher education: Elementary teaching candidates publish narrative podcasts. In S. L. Finley, P. Correll, C. Pearman, & S. P. Huffman (Eds.), *Cultivating critical discourse in the classroom* (pp. 154-179). IGI Global.

**Gierhart, A. R.** (2023). Making sense of my pandemic teaching narrative through podcasting. In S. M. McCarther & D. M. Davis (Eds.), *Breakthrough: From pandemic panic to promising practice* (pp. 185-194). Information Age Publishing.

**Journal Articles**

**Gierhart, A. R.** (2023). Digital pedagogy in dialogue: Student teaching during COVID-19. *Journal of Pedagogical Research*, 7(1), 243-259. <https://doi.org/10.33902/JPR.202319642>

**Gierhart, A. R., & VanValkenburgh, J.** (2023). Pre-service teaching candidates reflect on science identity through narrative podcasting. *The Teacher Educators' Journal*, 16(1), 71-95.

*cont'd:*

**Aaron R. Gierhart, Assistant Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**

**Report**

**Gierhart, A. R.** (2022). *Designing courses to meet the needs of students. Lessons learned during COVID-19: Strategies transforming the future of STEM education.* American Association for the Advancement of Science: Improving Undergraduate STEM Initiative (AAAS-IUSE).

<https://aaas-iuse.org/resource/lessons-learned-report/>



**Dana M. Griggs, Associate Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**



**Journal Articles**

**Griggs, D.M.** (2022). New faculty perceptions of their organizational socialization and tenure preparation. *The Chronicle of Mentoring & Coaching*, 6(15), 264-268.

Cowin, K., Augustine-Shaw, D., Horn, P., & **Griggs, D.** (2022). Join us in raising more voices: Creating powerful mentoring constellations. *The Chronicle of Mentoring & Coaching*, 6(15), 244-248.

**Griggs, D.M.** (2021). Missing assessments: Constructing an assessment tool for co-mentoring. *The Chronicle of Mentoring & Coaching*, 5(14), 216-222.

Cowin, K., Augustine-Shaw, D., Horn, P., & **Griggs, D.M.** (2021). Learning from each other: A mentoring network explores program assessments. *The Chronicle of Mentoring & Coaching*, 5(14), 171-177.

**Griggs, D.M.,** & Crain-Dorough, M. (2021). Appreciative inquiry's potential in program evaluation and research. *Qualitative Research Journal*, 21(4), 375-393.

*cont'd:*



**Dana M. Griggs, Associate Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**

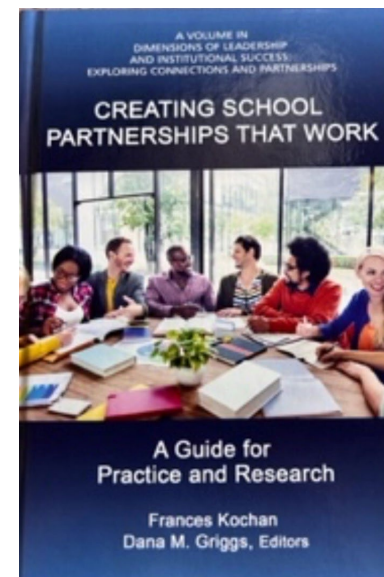
**Edited Books**

Kochan, F. K., Reames, E. H., & **Griggs, D. M.** (Eds). (2021). *Partnerships for leadership preparation and development: Facilitators, barriers, and models for change*. Information Age Press.

Kochan, F. K., & **Griggs, D. M.** (Eds). (2020). *Creating school partnerships that work: A guide for practice and research*. Information Age Publishing, Inc.

**Book Chapter**

**Griggs, D. M.** (2021). Mentored through sponsorship. In E. H. Reames & L. Searby (Eds.), *The art and science of mentoring. A Festschrift in honor of Dr. Frances Kochan* (pp. 141-149). Information Age Press.





**Tugce Gul, Assistant Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**



**Journal Articles**

Brown, J. L., Frazier, D., Dentzau, M., Hawkins, A., **Gul, T.**, Derico, S., & Saltiel, I. (2021). A comparative examination of two online programs. *Georgia Educational Researcher*, 18(2), 88-108.  
<https://doi.org/10.20429/ger.2021.180205>

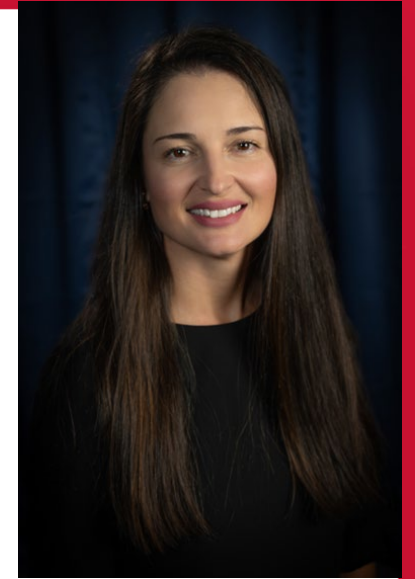
Lew, S., **Gul, T.**, & Pecore, J. (2021). Using mixed reality classrooms to enhance linguistically responsive teaching practices in ESOL pre-service teacher education. *Information and Learning Sciences*, 122(2), 45-67.  
<https://doi.org/10.1108/ILS-01-2020-0012>

**Presentations**

**Gul, T.**, & Brown, J. (2023, May). *Student satisfaction in online learning environment* [Paper presentation]. International Conference on Research in Education and Science [ICRES], Cappadocia, Turkey.

**Gul, T.** (2021, April). *Rebuilding education during the pandemic in the US* [Invited speaker]. International Symposium on Educational Trends during Covid-19 Pandemic, Istanbul, Turkey (Virtual).

**Lori Favoretto Hill, Assistant Professor**  
**College of Education & Health Professions**  
**Department of Kinesiology & Health Sciences**



### **Journal Article**

Munn, E., **Favoretto Hill, L.**, Lang, D.M., Brock, S.J., Hastie, P., & Pangelinan, M.M. (2022). Academic learning time in physical education (ALT-PE) during an adapted tennis program for children with autism spectrum disorders. *International Journal of Developmental Disabilities*.

<https://doi.org/10.1080/20473869.2022.2143619>

**Susan Hrach, Professor / Faculty Center Director**  
**College of Letters & Sciences**  
**Department of English**



### **Journal Article**

Nagashima, T., & **Hrach, S. E.** (2021). Motivating factors among university faculty for adopting open educational resources: Incentives matter. *Journal of Interactive Media in Education*, 11.  
<http://doi.org/10.5334/jime.678>

### **Magazine/Trade Articles**

**Hrach, S. E.** (2021, November). Minding the body in remote learning environments. *Thriving in Academe*, 39(4), 4.  
<https://www.nea.org/advocating-for-change/new-from-nea/minding-body-remote-learning-environments-thriving-academe>

**Hrach, S. E.** (2022, November). Your learning space: Friend or (secret) foe? *The Teaching Professor*, 3.  
<https://www.teachingprofessor.com/topics/student-learning/your-learning-space-friend-or-secret-foe/>

**Hrach, S. E.** (2021, November). Embodied learning: How to bring movement into the classroom, and why it matters. *Times Higher Education*. <https://www.timeshighereducation.com/campus/embodied-learning-how-bring-movement-classroom-and-why-it-matters>

*cont'd:*

# Susan Hrach, Professor / Faculty Center Director

## College of Letters & Sciences

### Department of English

## Podcast Interviews

Morrett, C. (Host). (2023, August 25). Feeling good! Embodied learning, movement, and faculty-student connection [Audio podcast episode]. In *The Faculty Approachability Project*. LinkedIn Live. <https://www.linkedin.com/events/feelinggood-embodiedlearning-mo7098423326485696512/>

Ogonowski, J. (Host). (2023, April). Reimagining education (17) [Audio podcast episode]. In *The NAME it Podcast*. iHeart. <https://www.spreaker.com/user/jonasfelix/episode-17-susan-hrach-reimagining-educa>

Bruff, D. (Host). (2022). Embodied Learning (1) [Audio podcast episode]. In *Intentional Teaching*. UPCEA. [https://derekbruff.org/?page\\_id=3985](https://derekbruff.org/?page_id=3985)





**Mohammad Jafari, Assistant Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



### **Journal Articles**

**Jafari, M.**, Reyhanoglu, M., & Kozhabek, Z. (2023). Simple learning-based robust nonlinear control of an electric pump for liquid-propellant rocket engines. *Electronics*, 12(16), 3527.

**Jafari, M.**, Marquez, G., Dechiraju, H., Gomez, M., & Rolandi, M. (2023). Merging machine learning and bioelectronics for closed-loop control of biological systems and homeostasis. *Cell Reports Physical Science*, 4(8).

Reyhanoglu, M., & **Jafari, M.** (2023). A simple learning approach for robust tracking control of a class of dynamical Systems. *Electronics*, 12(9), 2026.

Jia, M., **Jafari, M.**, Pansodtee, P., Teodorescu, M., Gomez, M., & Rolandi, M. (2022). A multi-ion electrophoretic pump for simultaneous on-chip delivery of H<sup>+</sup>, Na<sup>+</sup>, and Cl<sup>-</sup>. *APL Materials*, 10(4), 041112.

*cont'd:*



**Mohammad Jafari, Assistant Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



**Journal Articles**

Carrion, H., **Jafari, M.**, Bagood, M. D., Yang, H.-y., Isseroff, R. R., & Gomez, M. (2022). Automatic wound detection and size estimation using deep learning algorithms. *PLOS Computational Biology*, 18(3), e1009852.

Reyhanoglu, M., **Jafari, M.**, & Rehan, M. (2022). Simple learning-based robust trajectory tracking control of a 2-DOF helicopter system. *Electronics*, 11(13), 2075.

Zlobina, K., **Jafari, M.**, Rolandi, M., & Gomez, M. (2022). The role of machine learning in advancing precision medicine with feedback control. *Cell Reports Physical Science*, 3(11), 101149.

Sargent, B., **Jafari, M.**, Marquez, G., Mehta, A. S., Sun, Y.-H., Yang, H.-y., Zhu, K., Isseroff, R. R., Zhao, M., & Gomez, M. (2022). A machine learning based model accurately predicts cellular response to electric fields in multiple cell types. *Scientific Reports*, 12(1), 1-13.

*cont'd:*

**Mohammad Jafari, Assistant Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



**Journal Articles**

Jafari, B.H., Zlobina, K., Marquez, G., **Jafari, M.**, Selberg, J., Jia, M., Rolandi, M., & Gomez, M. (2021). A feedback control architecture for bioelectronic devices with applications to wound healing. *Journal of the Royal Society Interface*, 18(185), 20210497.

Pansodtee, P., Selberg, J., Jia, M., **Jafari, M.**, Dechiraju, H., Thomsen, T., Gomez, M., Rolandi, M., & Teodorescu, M. (2021). The multi-channel potentiostat: Development and evaluation of a scalable mini-potentiostat array for investigating electrochemical reaction mechanisms. *PLOS ONE*, 16(9).

**Book Chapter**

Carrion, H., **Jafari, M.**, Yang, H.-Y., Isseroff, R. R., Rolandi, M., Gomez, M., & Norouzi, N. (2022). HealNet-self-supervised acute wound heal-stage classification. In C. Lian, X. Cao, I. Rekik, X. Xu, & Z. Cui (Eds.), *Machine learning in medical imaging. MLMI 2022. Lecture notes in computer science* (Vol. 13583, pp. 446-455). Springer, Cham.

*cont'd:*

**Mohammad Jafari, Assistant Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



**Conference Presentations**

**Jafari, M.** (2022, November 2). *Predicting cellular response to electric fields in multiple cell types: A machine learning-based approach* [Conference session]. 2022 Faculty and Graduate Research Conference.

**Jafari, M.** (2022, November 2). *Using deep learning-based algorithms to automate wound detection and size estimation* [Conference session]. 2022 Faculty and Graduate Research Conference.

**Jafari, M.** (2021, November 3). *Machine learning-based feedback controller for directing stem cell membrane potential* [Conference session]. 2021 Faculty and Graduate Research Conference.

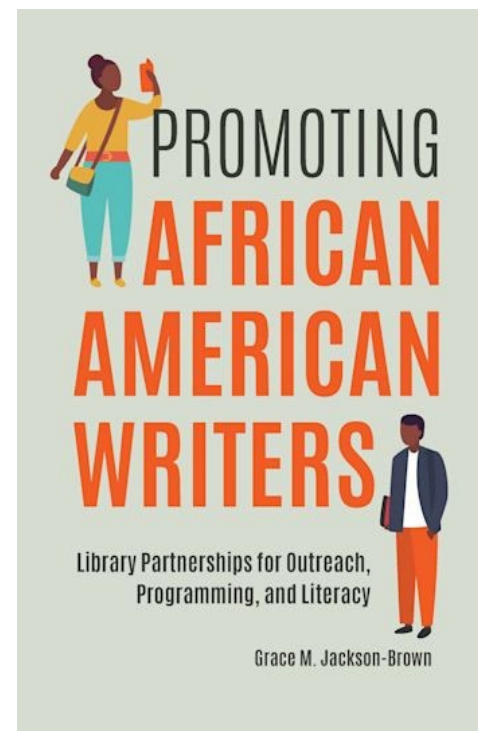
**Jafari, M.** (2021, November 3). *Towards the real-time learning-based prediction and control in cyber-physical systems* [Conference session]. 2021 Faculty and Graduate Research Conference.

## Michelle E. Jones, Professor Simon Schwob Memorial Library

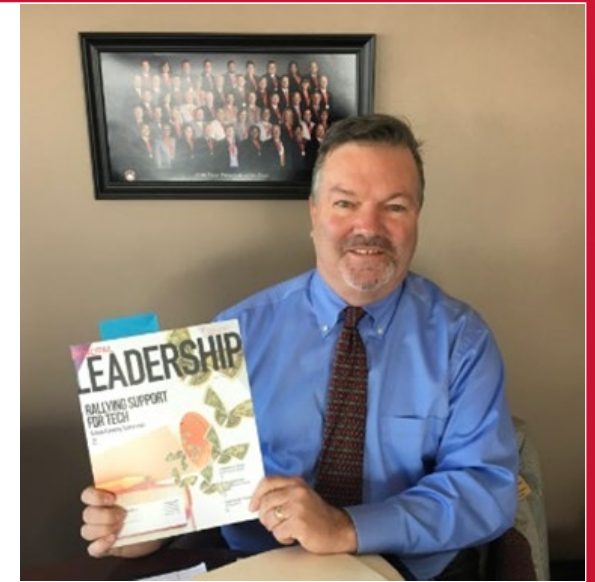


### Book Chapter Vignette

**Jones, M. E.** (2022). CSU Libraries and the African American read-in: Expanding our impact. In G. M. Jackson-Brown (Ed.), *Promoting African American writers: Library partnerships for outreach, programming, and literacy* (pp. 24-25). Libraries Unlimited.

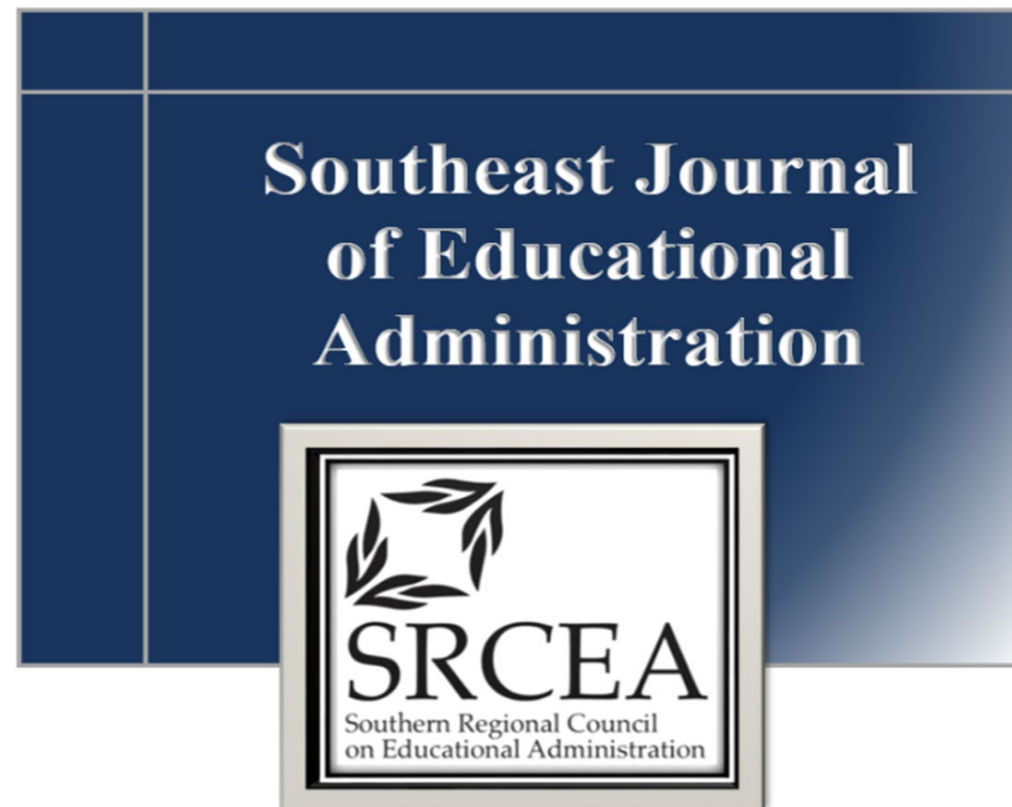


**Chris LeMieux, Assistant Professor**  
**College of Education & Health Professions**  
**Department of Teacher Education, Leadership, & Counseling**



**Journal Article**

**LeMieux, C.** (2023). User-friendly root cause analysis for educators – end in mind. *Southeast Journal of Educational Administration*, 22(1), 57-62.





**Fady Mansour, Associate Professor**  
**Turner College of Business & Technology**  
**Department of Accounting & Finance**



**Journal Articles**

Sridharan, U., **Mansour, F.**, Ray, L., & Huning, T. (2023). Effect of risk attitude on cryptocurrency adoption for compensation and spending. *Journal of Financial Economic Policy*, 15(4/5), 337-350.  
<https://doi.org/10.1108/JFEP-04-2023-0099>

Kattih, N., **Mansour, F.**, & Mixon, F.G. (2021). The power of suggestion: Automatic enrollment and employee access to health insurance coverage. *Journal of Insurance Issues*, 44(1), 90-107.

Kattih, N., **Mansour, F.**, & Mixon, F.G. (2021). Keeping what you like: Grandfathering and health insurance coverage take-up rates under the ACA.. *Journal of Economics and Finance*, 45, 188–199.

Journal of Economics and Finance (2021) 45:188–199  
<https://doi.org/10.1007/s12197-020-09530-8>

AEF

Keeping what you like: grandfathering and health insurance coverage take-up rates under the ACA

Nour Kattih<sup>1</sup> · Fady Mansour<sup>2</sup> · Franklin G. Mixon Jr.<sup>2</sup>

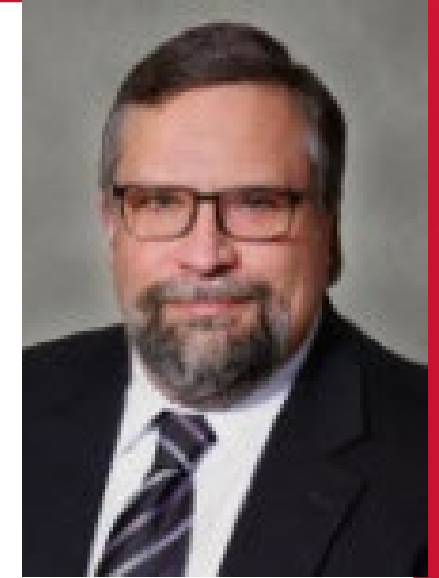
Accepted: 30 September 2020 / Published online: 4 October 2020  
© Academy of Economics and Finance 2020

**Abstract**  
According to various reports, between 1.8 million and 4.7 million health insurance plans were replaced shortly after passage of the *Affordable Care Act of 2010* with new ACA-compliant plans. In order to limit this occurrence, provisions in the ACA included “grandfathering,” which allowed many Americans to retain health insurance coverage that was in place on or before the ACA was signed into law. These health insurance plans were in many cases favored by individuals and employees because they had been customized, unlike many of the new non-grandfathered plans. This study explores the effect of grandfathering on health insurance coverage take-up rates by employees, given that there are some key differences between grandfathered and non-grandfathered plans that perhaps make the former relatively more attractive to employees. Using survey data from the Kaiser Family Foundation and the Health Research Educational Trust, difference-in-difference regressions reported here suggest that take-up rates for grandfathered health insurance plans are generally higher than those for non-grandfathered plans. Estimates generally place these take-up rate differences, favoring grandfathered plans, somewhere between 2.9 and 8.2 percentage points, depending on plan type, firm size and firm location. This finding suggests that more flexible plans are needed to increase employer-sponsored health insurance coverage.

**Keywords** Health insurance coverage take-up rates · Grandfathered health plans · Affordable care act

**JEL classifications** I13 · I18 · G22

**Bruce Montgomery, Lecturer**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Book Chapter**

**Montgomery, B.** (2022). Interface design for embedded and real-time systems. In Y.C. Tian & D.C. Levy (Eds)., *Handbook of real-time computing*. Springer, Singapore. [https://doi.org/10.1007/978-981-4585-87-3\\_65-1](https://doi.org/10.1007/978-981-4585-87-3_65-1)

**Patricia G. Patrick, Associate Professor**  
**College of Education & Health Professions**  
**Department of Teaching, Leadership, & Counseling**



### **Edited Book**

**Patrick, P. G.** (Ed.). (2023). *How people learn in informal science environments*. Springer.

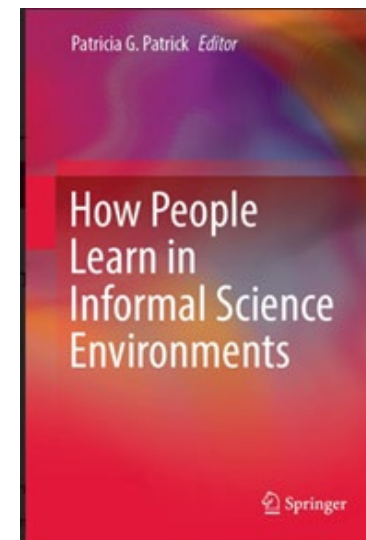
### **Journal Articles**

**Patrick, P.**, & Farmer, M. (2022). Undergraduate biology students describe their relationships with mentors during a field study: An intrinsic case study through the lens of teacher authority. *Springer Nature Social Sciences*, 2(126).

<https://doi.org/10.1007/s43545-022-00433-5>

Ruyani, A., Parlindungan, D., **Patrick, P.**, & Matthews, C. E. (2022). Developing collegial relationships to address hurdles in ex situ turtle conservation on an Indonesian university campus. *Case Studies in the Environment*, 6(1), 1–15.

<https://doi.org/10.1525/cse.2022.1420816>



**Yeşem Kurt Peker, Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Conference Papers**

Chan, K.Y., Lovett, M., & **Peker, Y.K.** (2021). Private blockchain for visitor authentication and access control. *2021 IEEE International Conference on Big Data (Big Data)*, 5580-5586.

Kuralt, M., Ray, L., da Silva, S., & **Peker, Y.K.** (2023). Raising misinformation awareness via rule-based and mindfulness training. *Proceedings of the World Multi-Conference on Systemics, Cybernetics and Informatics*.

**Journal Article**

**Peker, Y.K.**, Bello, G., & Perez, A. (2022). On the security of bluetooth low energy in two consumer wearable heart rate monitors/sensing devices. *Sensors*, 22(3), 988. <https://doi.org/10.3390/s22030988>

**Mahmut Reyhanoglu, Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



### **Journal Articles**

Navabi, M., Safaei Hashkavaei, N., & **Reyhanoglu, M.** (2023). Satellite attitude control using optimal adaptive and fuzzy controllers. *Acta Astronautica*, 204, 434-442.  
<https://doi.org/10.1016/j.actaastro.2023.01.005>

Jafari, M., **Reyhanoglu, M.**, & Kozhabek, Z. (2023). Simple learning-based robust nonlinear control of an electric pump for liquid-propellant rocket engines. *Electronics*, 12(16), 3527.  
<https://doi.org/10.3390/electronics12163527>

**Reyhanoglu, M.**, Jafari, M., & Rehan, M. (2022). Simple learning-based robust trajectory tracking control of a 2-DOF helicopter system. *Electronics*, 11(13), 2075.  
<https://doi.org/10.3390/electronics11132075>

**Reyhanoglu, M.**, & Jafari, M. (2023). A simple learning approach for robust tracking control of a class of dynamical systems. *Electronics*, 12(9), 2026. <https://doi.org/10.3390/electronics12092026>



**Gary Sprayberry, Professor  
College of Letters & Sciences  
Department of History, Geography, & Philosophy**

**Edited Book**

**Sprayberry, G.** (Ed.). (2023). *Journey toward justice: The Civil Rights Movement in the Chattahoochee Valley* [Exhibition catalogue]. Columbus, Georgia: The Columbus Museum.



# Kerri Taylor, Associate Professor College of Letters & Sciences Department of Chemistry



## Journal Articles

Ramos, S., & Shelton, K.L. (2022). Chemical investigations of Pasaquan and interdisciplinary paint restoration. *The Chemical Educator*, 27, 51-57.

Dabke, R., Shelton, K.L., & Melaku, S. (2022). Interlocking toy building blocks as teaching modules for undergraduate organic chemistry-based course for allied health majors. *Journal of Chemical Education*, 99(7), 2726–2732.



**Natalia Temesgen, Associate Professor**  
**College of Letters & Sciences**  
**Department of English**

**Creative Works**

Reeves, B. (Director). (2022, September 30-October 9). *Look forward: The Ruby Bridges story* by **N. Temesgen** [Play]. Springer Opera House, Columbus, Georgia.  
<https://www.springeroperahouse.org/past-productions-archive/look-forward-the-ruby-bridges-story>

**Temesgen, N.**, Goldfarb, D., & Booth, E. (Writers), & Dunton, E. (Director). (2022, April 7). Petit fours (Season 1, Episode 4) [Tv series episode]. *Julia*. 3 Arts Entertainment; Lionsgate Television.  
<https://www.imdb.com/title/tt10975574/episodes/?season=1>

Brady, R., Mohamed, R., Flowers, M., & **Temesgen, N.** (Writers), & Perrier, N. (Director). (2022). Song cry (Season 1, Episode 108) [Tv series episode]. *Reasonable doubt*. ABC Signature; Onyx Collective; Simpson Street; Willmore Films. [https://www.hulu.com/series/reasonable-doubt-226c1cc5-ecc9-4d26-83a6-40131a93ed19?entity\\_id=d1e912a2-33a4-4b85-b33a-2761bb8db27f](https://www.hulu.com/series/reasonable-doubt-226c1cc5-ecc9-4d26-83a6-40131a93ed19?entity_id=d1e912a2-33a4-4b85-b33a-2761bb8db27f)





**Lixin Wang, Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Journal Articles**

**Wang, L.**, Yang, J., Kim, J., & Wan, P.-J. (2023). An effective approach for stepping-stone intrusion detection resistant to intruders' chaff-perturbation via packet crossover. *MDPI Electronics*, 12(18), 3855.

**Wang, L.**, Yang, J., & Qin, M. (2023). Analyzing distribution of packet round-trip times using Fast Fourier Transformation. *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications*, 14(3), 112-124.

Yang, J., **Wang, L.**, Qin, M., & Neundorfer, N. (2023). Detecting stepping-stone intrusion and resist intruders' manipulation via network traffic cross-matching and RTT-based random-walk. *MDPI Electronics*, 12(2), 394.

Yang, J., **Wang, L.**, Lee, A., & Wan, P.-J. (2022). Stepping-stone intrusion detection via estimating numbers of upstream and downstream connections using packet crossover. *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications*, 13(4), 24-39.

*cont'd:*

**Lixin Wang, Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Journal Articles**

- Yang, J., Neundorfer, N., & **Wang, L.** (2022). Detecting stepping-stone intrusion under the framework of heterogeneous packet encryption. *Journal of Internet Services and Information Security*, 12(4).
- Wang, L.**, Yang, J., Lee, A., & Wan, P.-J. (2022). Matching TCP packets to detect stepping-stone intrusion using packet crossover. *Advances in Science, Technology and Engineering Systems Journal*, 7(6).
- Repass, C., Khan, S., & **Wang, L.** (2022). Applications of internet of things in the medical field. *IoT-AHSN TC Newsletter*, 1(16).
- Wang, L.**, Yang, J., Workman, M., & Wan, P.-J. (2022). Effective algorithms to detect stepping-stone intrusion by removing outliers of packet RTTs. *Tsinghua Science and Technology*, 27(2), 432-442.
- Yang, J., **Wang, L.**, & Shekya, S. (2022). Modelling network traffic and exploiting encrypted packets to detect stepping-stone intrusions. *Journal of Internet Services and Information Security*, 12(1), 2-25.  
<https://doi.org/10.22667/JISIS.2022.02.28.002>

*cont'd:*



**Lixin Wang, Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Journal Articles**

**Wang, L.,** & Yang, J. (2022). A review of recent progress in stepping-stone intrusion detection. *Acta Scientific Computer Sciences*, 4(1), 46-53.

Yang, J., & **Wang, L.** (2021). Applying MMD data mining to match network traffic for stepping-stone intrusion detection. *Sensors*, 21(22), 7464.

**Wang, L.** (2021). The next-generation stepping-stone intrusion detection systems. *Acta Scientific Computer Sciences*, 3(9).

**Wang, L.,** Yang, J., Workman, M., & Wan, P.-J. (2021). A framework to test resistance of detection algorithms for stepping-stone intrusion on time-jittering manipulation. *Wireless Communications and Mobile Computing*, 2021(4).

Yang, J., **Wang, L.,** & Wang, Y. (2021). Enhance student learning experience in cybersecurity education by designing hands-on labs on stepping-stone intrusion detection. *Advances in Science, Technology and Engineering Systems Journal*, 6(4), 355-367.

*cont'd:*

**Lixin Wang, Professor**  
**Turner College of Business & Technology**  
**TSYS School of Computer Science**



**Book Chapter**

**Wang, L.**, Yang, J., & Lee, A. (2022). An effective approach for stepping-stone intrusion detection using packet crossover. In I. You & T.Y. Youn (Eds.), *Information security applications. WISA 2022. Lecture notes in computer science* (Vol. 13720). Springer, Cham.

**Conference Paper**

Neundorfer, N., Yang, J., & **Wang, L.** (2022). Modeling network traffic via identifying encrypted packets to detect stepping-stone intrusion under the framework of heterogeneous packet encryption. *36th International Conference on Advanced Information Networking and Applications (AINA)*.

**Federal Grants**

**Wang, L.** (Co-Principal Investigator). (2020-2023). *NSA NCAEC-C research program: Mining network traffic to detect stepping-stone intrusion* [Grant]. National Security Agency.

**Wang, L.** (Principal Investigator). (2021-2023). *GenCyber at CSU - training teachers of the next generation of cyber stars through hands-on learning* [Grant]. National Security Agency.

# Victoria Warnet, Assistant Professor

## College of the Arts

## Schwob School of Music



### Journal Article

**Warnet, V.** (2023). The relationship between music familiarity, music preference, and concert attendance in music majors and non-music majors. *Research Perspectives in Music Education*, 23(1), 3–13.

### Website Article

**Warnet, V.** (2023). *The top 5 mistakes made with jazz bands (and how to fix them)*. Wenger.  
<https://www.wengercorp.com/teacher-resources/the-top-five-mistakes-made-with-jazz-band-and-how-to-fix-them/>



**Qi Zou, Assistant Professor**  
**College of Letters & Sciences**  
**Department of Earth & Space Sciences**



### **Journal Articles**

Huang, G., Zhang, D., **Zou, Q.**, Ye, W., & Kong, L. (2023). Analysis and design method of a class of reconfigurable parallel mechanisms by using reconfigurable platform. *Mechanism and Machine Theory*, 181, 105215.

**Zou, Q.**, Zhang, D., & Huang, G. (2023). Kinematic joint matrix and block diagram for a group of parallel manipulators. *Robotica*, 41(3 ), 939-961.

**Zou, Q.**, Zhang, D., & Huang, G. (2022). Dynamic performance evaluation of the parallel mechanism for a 3T2R hybrid robot. *Mechanism and Machine Theory*, 172, 104794.

**Zou, Q.**, Zhang, D., Zhang, S., Luo, X., & Huang, G. (2022). Structural design and kinematic analysis of a group of translational parallel mechanisms. *International Journal of Robotics & Automation*, 37(4), 382-390.