CELEBRATING

FACULTY AND STUDENT-FACULTY SCHOLARSHIP 2021-2022

MARYMOUNT UNIVERSITY

Learn with purpose
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Welcome to the Annual Marymount University Faculty Scholarship Report. This report documents faculty scholarly contributions over an 18-month period (August of 2021-December of 2022) that includes nearly 100 peer-reviewed journal publications, 25 books or book chapters, 82 peer-reviewed conference presentations, 74 invited presentations, and 17 new grant awards.

The impressive listing of books, book chapters, journal articles, external conference presentations, grants, and exhibits highlights the scholarly productivity of our faculty and the dedication of our faculty to advancing knowledge in their disciplines as well as contributing to the art and science of teaching and learning in higher education.

These scholarly works span a broad and diverse range of topics, including health and wellness, cybersecurity, IT, economics, science, humanities, history, criminal justice, education, psychology, and religion, just to name a few. The publications and presentations have a broad reach and make a significant contribution to their disciplines.

We are particularly excited that, during this time period, we have been awarded 17 new external grants, providing over 6.7 million dollars in research support to the university. The faculty are to be congratulated for their commitment to building the research agenda of the university and moving us ever closer to our strategic goal of being recognized as a research-intensive university.

We hope you will take a few minutes to review the achievements of Marymount’s faculty. These faculty members are truly accomplished and dedicated scholars and teachers.

Enjoy and congratulations to all the great scholars listed in this report.

Rita Wong, Ed.D., P.T., F.A.P.T.A.
Associate Vice President for Research


Ben Abdesslem, A. (2022). Teaching macroeconomics through music. *Journal of Economic Teaching*, 7(3), 200-216. [https://doi.org/10.58311/econteach/2c1722b8a6cd2a7a41ab6e0f3b0d7d30a75537d9](https://doi.org/10.58311/econteach/2c1722b8a6cd2a7a41ab6e0f3b0d7d30a75537d9)


Cintas Canto, A., Kermani, M. M., & Azarderakhsh, R. (2022). Error detection constructions for ITA finite field inversions over GF(2^m) on FPGA using CRC and hamming codes. IEEE Transactions on Reliability. Advance online publication. https://doi.org/10.1109/TR.2022.3216014 [Internal START grant; external grant awarded to one of the co-authors. NSF Award SaTC-1801488]


Karapetkova, H. (2021, Fall). Damage and winner takes all (two poems). Delmarva Review, 14, 321-322.


Lopresti-Goodman, S. M. (2022, December 10). Column: Despite stigma, lab dogs are more than adoptable. Richmond Times-Dispatch. https://richmond.com/opinion/columnists/column-despite-stigma-lab-dogs-are-more-than-adoptable/article_41477caa-65b7-5fd3-b2a2-8c3fea113197.html


Books

Names in bold type are Marymount faculty members.


Cintas Canto, A., Mozaffari-Kermani, M., Azarderakhsh, R., & Gaj, K. (2022, October). CRC-oriented error detection architectures of post-quantum cryptography Niederreiter key generator on FPGA. In *2022 IEEE Nordic circuits and systems conference (NorCAS)*, Oslo, Norway (pp. 1-7). IEEE. [https://doi.org/10.1109/NorCAS57515.2022.9934378](https://doi.org/10.1109/NorCAS57515.2022.9934378) [Internal START grant; external grant awarded to one of the co-authors. NSF Award SaTC-1801488]


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**Book Reviews**

*Names in bold type are Marymount faculty members.*


Peer-Reviewed Presentations

Names in bold type are Marymount faculty members and * denotes Marymount University students.


Ben Abdesslem, A., & Picault, J. (2022). Bounty hunters can teach microeconomics: Illustrations from Netflix’s cowboy bebop. 33rd Annual Teaching Economics Conference. https://drive.google.com/file/d/1a6fL9Gm-HRHC31mEFlk1gDVQsFnXEZm/view


Flanagan, B. P. (2021, June). Becoming middle ages: Forming students as resilient humans through medieval spirituality. Art and Practice of Teaching Theology Section, Annual Meeting of the College Theology Society.


Ho, C.-M. (2022, November 3-5). Utilizing a competence-based empathy scale in classroom and supervision. [Content session]. Southern Association for Counselor Education and Supervision Conference, Baltimore, MD, United States.

Ho, C.-M., Chang, Y.-Y., & Chuang, Y.-C. (2022, July 8-10). Embracing setbacks: Mental health and self-care practices. [Participatory workshop]. North American Taiwan Studies Association Conference, Washington, DC, United States


Ho, C.-M., Rocha, L., & Gerlach, J. M. (2022, November 3-5). BIPOC counselor educators' personal and professional decolonization experiences. [Roundtable session]. Southern Association for Counselor Education and Supervision Conference, Baltimore, MD, United States.


Kelekar, U. (2022, November). Feasibility of large-scale falls prevention programs implementation based on academic-community partnerships [with S. Pappa, C. Elrod, P. Heyn, and R. Wong]. Gerontological Society of America Meeting, Indianapolis, IN, United States.


Leisen, M. (2022, December 1-3). *Pediatric respite care: A transformative clinical learning experience.* AACN Transform 2022, Chicago, IL, United States. [Grant: Leisen, M. (Fall, 2022). Faculty Development Grant award, Marymount University, $1388.91]


Liu, X. & Murphy, D. (2021, September 30-October 1). *Building a skills-focused educational pathway in IT/IS programs to skill-based hiring.* SEINFORMS (Southeast INFORMS Conference), Myrtle Beach, SC, United States. [Grant: Leisen, M. (Fall, 2022). Faculty Development Grant award, Marymount University, $1388.91]


Liu, X., & Murphy, D. (2022, November 10-12). *Applying a trustworthy AI framework to mitigate bias and increase workforce gender diversity.* IEEE International Symposium on Technology and Society (ISTAS), virtual. [Grant: Leisen, M. (Fall, 2022). Faculty Development Grant award, Marymount University, $1388.91]


Mbazira, A. V., & Sabir, M. F. (2022). *An explainable XGBoost-based approach on assessing detection of deception and disinformation.* SEINFORMS 2022, Myrtle Beach, SC, United States. [Grant: Leisen, M. (Fall, 2022). Faculty Development Grant award, Marymount University, $1388.91]


Murphy, B. (2022, May 24). *Unity through diversity.* University and College Designer’s Association’s (UCDA) Design Educator’s Summit, Johnson City, TN, United States. [Grant: Leisen, M. (Fall, 2022). Faculty Development Grant award, Marymount University, $1388.91]

Murphy, D., Liu, M., & Vera, L. (2022, August 10-14). Alternative approaches to data architecture and data governance: Graduate IT/IS curriculum considerations. AMCIS 2022 Proceedings, Minneapolis, MN, United States.

Pappa, S., Elrod, C., Kelekar, U., Heyn, P., & Wong, R. (2022, November). Feasibility of large-scale falls prevention programs implementation based on academic-community partnerships. GSA 2022 Annual Scientific Meeting, Indianapolis, IN, United States. [Grant: Administration for Community Living, AOA-PHPF Evidence-based Falls Prevention Programs, Grant # 90FPSP0012-01-00]


Tseng, T., & Olson, S. (2022, April). Dramatic, erratic and odd. 34th Annual Coalition Conference 2022 KANPNM, Covington, KY, United States.


Valcourt, M., Petillo, A., Smith, D., Caulfield, E., Fluellen, K., & Drapp, J. (2021, October 21-22). BSN nursing students’ from a Hispanic student serving institution's confidence levels with medication dosage calculations after the implementation of a comprehensive teaching strategy. 12th Annual McGinley-Rice Symposium: The Face of the Person Who is Poor, Duquesne University, Pittsburgh, PA, United States.

Watson, J. C., Ho, C.-M., & Rocha, L. (2022, September 9-10). Best practice guidelines for scale development [Content session]. 2022 Association for Assessment and Research in Counseling Annual Conference, St. Louis, MO, United States.


Wu, Y., & Liu, X. M. (2022, October 6-7). Ethical principles of artificial intelligence applications in healthcare [Paper presentation and publication]. Proceedings of 2022 SEINFORMS (Southeast INFORMS Conference), Myrtle Beach, SC, United States.
Invited Presentations

Names in bold type are Marymount faculty members and * denotes Marymount University students.


Bell, N. (2022, October 22). Using single-board miniature computers (SBCS) to create basic artificial intelligence (AI) and machine learning (ML) projects [Faculty tutorial abstract]. 38th Annual CCSC Eastern Conference. https://www.researchgate.net/publication/364675080_Using_Single-Board_Miniature_Computers_SBCs_to_Create_Basic_Artificial_Intelligence_AI_and_Machine_Learning_ML_projects


Flanagan, B. P. (2022, March). *Synodality and fraternity: Pope Francis’s ecclesiology ad intra and ad extra*. Georgetown University, Washington, DC, United States.


Jaber, D. (2022, November 11). *Developing and designing pedagogical tools for the chemistry classroom* [Presentation]. Department of Chemistry Seminar Series, Drexel University, Philadelphia, PA, United States.

Jaber, D., Bubar, E., & Wright, A. (2022, June 3-5). *GAME ON!...in the classroom*. Teaching Professor Conference, Atlanta, GA, United States. [Summer Research Program; Faculty Development] https://s30383.pcdn.co/wp-content/uploads/2022/06/TPC22-Program.pdf


Kish-Doto, J. (2022, April 22) *Food and climate change: A primer for health professionals* [Invited speaker]. Quarterly Member Meeting, Virginia Public Health Association.


Langran, E., Christensen, R., & Cohen, J. (2021, November 5). *Preparing future teachers: Measuring student perceptions of their program preparation to integrate technology* [Presentation]. Association for Educational Communications & Technology (AECT) International Convention, virtual.


Mbaziira, A. V. (2022, April, 14). *Lying trolls: Detecting deception and disinformation using machine learning* [Two presentations]. Foreign Service Institute of the U.S. State Department, Washington, DC, United States.


Ries J. D. (2022, September). Dimensions of dementia: Maximizing our rehab impact [Instructor, 3-day course]. Danske Fysioterapeuter (Danish Physical Therapy Association), Svendborg, Denmark.


Speranza, C. (2021, Fall). How to lead and succeed without a role model [Invited speaker]. MUX Leadership Series, Marymount University, Arlington, VA, United States.


Speranza, C. (2021, Fall). Disruption to dynamism: democratizing leadership education and development as the globe shifts [Panelist]. 23rd Annual International Leadership Association Conference, Geneva, Switzerland. [Grant: Academic Affairs and Faculty Development Grant]


Exhibitions and Performances

Names in bold type are Marymount faculty members and * denotes Marymount University students.


**Murphy, B.** (2021, August 11– September 5). *Skopelos Harbor, I* [Printmaking]. August 2021 Open Exhibit. Art League, Alexandria, VA, United States. [https://www.theartleague.org/blog/event/august-2021-open-exhibit/](https://www.theartleague.org/blog/event/august-2021-open-exhibit/)

**Murphy, B.** (2021, November 10 – December 5). *Greek Cactus* [Printmaking]. August 2021 Open Exhibit. Art League, Alexandria, VA, United States. [https://www.theartleague.org/event/november-2021-open-exhibit/](https://www.theartleague.org/event/november-2021-open-exhibit/)


New Grants

Grants awarded between August 21, 2021 through December 31, 2022

Aberman, J, Principal Investigator. (2021, December – 2023, June). Go Va Techset. Commonwealth of Virginia, Department of Housing and Community Development. $425,000

Buckner, C. E., Principal Investigator, Hallisey, S. & Lindsey, D., key personnel. (2021, October–2023, September). Truth, racial healing, and transformation (TRHT) at Marymount University. Association of American Colleges and Universities through the Lumina Foundation. $25,000

Cote, L. R., Principal Investigator. (2021-2022). Open adopt grant for psychological statistics. State Grant, VIVA. $2,000


Harwood, K, subcontract Principal Investigator, & Bender J., key personnel. Functional assessment Standardized items (FASI) for home and community-based services. Centers for Medicare & Medicaid Services’ (CMS) Center for Medicaid and CHIP Services (CMCS), Contract awarded to The Lewin Group, Principal Investigator, Alecxih. (MU subcontract $38,490)


Kovach, A. (2021, September-December). Philosophical dialogue across languages, cultures and professions. Fulbright U.S. Scholars Grant. $12,000

Lindsey, D., Principal Investigator, Buckner, C.E. (Co-Principal Investigator), Hallisey S., & Agolini, S., key personnel. (2022, January – 2023, June). TRHT Supplement. Association of American Colleges and Universities. $10,000


Murphy, D., Primary Investigator, Bell, N., & Liu, M., Co-Primary Investigators. Gencyber summer camp. National Security Agency (NSA). $128,099
Pappa, S., Primary Investigator (PI); Wong R., Ries J., Kelekar, U., & Heyn, P. (Co-Primary Investigators). *sustaining health promotion evidence based programs (EBP) for older adults: Standing the test of time.* Virginia Training and Education Center, Commonwealth of Virginia. $21,500

Ries, J., Principal Investigator. (2022, July - 2024, June). *Remote online administration of Otago exercise program for individuals with dementia and their care partners: A feasibility study.* Alzheimer’s and Related Diseases Research Awards Fund (ARDRAF), Virginia Center on Aging, Virginia Commonwealth University. $45,000

Steiner, M., Primary Investigator, & Provenzano, J., Co-Primary Investigator. (2022, October – 2027, September). *Supporting Infrastructure Projects (SIP).* U.S. Department of Education. $2,021,443

Wright, A., Primary Investigator, Bubar, E., Jaber, D., Agolini, S., & Murphy, D., (Co-Primary Investigators). (2022, October – 2028, September). *Empowering students for STEM through citizen science.* National Science Foundation (NSF). $1,462,268