

BOARD OF REGENTS
EASTERN MICHIGAN UNIVERSITY

SECTION: 11
DATE: April 17, 2022

REPORT

SUMMER 2022 RESEARCH/CREATIVE ACTIVITY AWARDS

ACTION REQUESTED

It is recommended that the Board of Regents accept and place on file the Report on the 2022 Summer Research Awards.

STAFF SUMMARY

The Summer Research/Creative Activity Award (SRA) is intended to encourage and support the research, creative, artistic, and scholarly endeavors of full-time tenured or tenure-track EMU faculty during the summer months (May-August) by providing stipends of \$12,000 for outstanding proposals in lieu of summer teaching assignments. Faculty may apply in teams. Each team member is allowed to request a full award, but each benefiting member must submit a full electronic application.

FISCAL IMPLICATIONS

None. The cost of the fellowships is contained in the instructional budget.

ADMINISTRATIVE RECOMMENDATION

The proposed Board action has been reviewed and is recommended for Board approval.

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[Redacted Signature]

University Executive Officer
Rhonda Longworth, Ph.D.

March 31, 2022

Date

**EASTERN MICHIGAN UNIVERSITY
SUMMER 2022 RESEARCH/CREATIVE ACTIVITY AWARDS**

1. Munther Abualkibash, (Information Security and Applied Computing). “Effective Phishing Website Detection Based on Machine Learning Techniques.”
2. Brittany Albaugh, (Chemistry). “Measurement of cellular UHRF1 and H4K20me3 interaction.”
3. Amanda Allen, (English Language and Literature). “The First #WeNeedDiverseBooks: Librarians of Color and the Forgotten Diversity Movement in Midcentury Junior Novels”
4. Mohammed Noraden Alsaleh, (Information Security and Applied Computing). Towards Safe and Effective Security Orchestration, Automation, and Response.”
5. Fathi Amsaad, (Information Security and Applied Computing). “Securing Current and Next-Generation Smart Power Grid Infrastructure against Hardware-based Remote Access Trojans.”
6. Eamonn Arble, (Psychology). “Culture-Fair, Performance-Based Assessment of Dementia among Black Older Adults.”
7. Cassandra Barragan, (Social Work). “Development of a Validated Measure for the Social Impact of Fitness-Related Activities for Socially Marginalized Populations”
8. Ashley Bavery, (History and Philosophy) “An Uneasy Alliance: Black and Immigrant Muslims in the 1960s.”
9. Svetlana Beilfuss, (Economics). “Opioid Overdose Mortality and the Role of Minimum Wage Laws, Pharmaceutical Marketing, and COVID-19.”
10. Ovidiu Calin, (Mathematics and Statistics). “Stochastic Geometric Analysis with Applications.”
11. Jie Cao, (Information Security and Applied Computing). “Privacy Protection for Automatic License Plate Recognition.”
12. Karen Ann Craig, (Accounting and Finance). “Retail Investors Impact on Stock Demand and Stock Returns.”
13. Claudia Drossel, (Psychology). “Better living with Osteoarthritis: Iterative Development of a Treatment Manual.”
14. Cory Emal, (Chemistry). “Varietal Honey Fingerprinting from Authentic Sources using Nuclear Magnetic Resonance Spectroscopy (NMR).”
15. Brendan Fay, (Fine Arts). “Lessons in Photography: A Museum Exhibition on American Photography, Abstraction, and Photographic Education.”

16. Sarah Ginsberg, (Special Education). "Applying, Conducting, and Disseminating Research: A Workbook for Clinical Educators."
17. Jillian Graves, (Social Work). "Using Simulation to Educate Social Work and Management Students in Addressing the Mental Health needs of Non-healthcare Essential Workers."
18. Iman Grewel, (Teacher Education). "NEXT Scholars Program: Impact Study."
19. Emily Grman, (Biology). "Prairie Legumes and their Multiple Mutualists."
20. Kelly Grossman, (University Library). "Neurodiversity and the user Experience: Exploring how Academic Library Interfaces Serve Neurodiverse Students."
21. Jonathan Hall, (Biology). "Crashing the party: Conservation of California condors in residential habitats."
22. Jenni Hoffman, (Nursing). "An Innovative Community Health Nursing Virtual Reality Experience: A Mixed Methods Study."
23. Khairul Islam, (Mathematics and Statistics). "Analysis of Elder Caregivers' Characteristics in the United States with Complex Survey."
24. Sandra Jackson, (Music and Dance). "The Clarinet Pedagogy Handbook: A Resource for Music Educators, Adult Beginners and Professional Clarinetists."
25. Surabhi Jaiswal, (Physics and Astronomy). "Initiating a Low Temperature Plasma Facility for Research and Teaching at Eastern Michigan University."
26. Raed Jarrah, (Visual and Built Environments). "Best Practices in Planning Volunteer-Driven Construction Projects."
27. Alicia Jones, (Health Sciences). "The Effects of Dance Participation on Movement and Quality of Life in Individuals with Neurological Disorders."
28. Marianne Laporte, (Biology). "Sex-specific Trait Evolution in *Silene latifolia*: A CURE Lab Approach to Retaining Diverse Scientists at EMU."
29. Sheila Longpré, (Health Sciences). "Identifying Occupations of Children with and without a Diagnosis of Cancer: A Mixed Methods Approach."
30. Rebecca Louick, (Special Education). "Math and Science Motivation Among Adolescents with Learning Disabilities: The Role of Teachers."
31. Mary-Elizabeth Murphy, (History and Philosophy). "Black Health Matters: African American Women and Health Care Activism in the Long Twentieth Century."
32. Paul Price, (Biology). "A Broad-Based Strategy for the Induction of Silent Antibiotics from Bacterial Genomes."

33. Pejman Rezakhani, (Visual and Built Environments). "Exploring Relationships Between Social Vulnerability and Longer Disaster Recovery Period Among Minorities After Valley Fire in California."
34. Gabriel Rudebusch, (Chemistry). "Development of Potential Anti-Tumor Agents Through Cascade Microwave Synthesis."
35. Meriah Sage, (Communication, Media and Theatre Arts). "Pushing the Limits: Michael Chekhov's Acting Technique in Rehearsal and Performance."
36. James Saunoris, (Economics). "Measuring U.S. Underground Economies: A state-level Analysis."
37. Joel Schoenhals, (Music and Dance). "16 Navajo Etudes for Piano."
38. Hannah Seidel, (Biology). "A community-science approach to the genetics of snake stripes."
39. Rita Shah, (Sociology, Anthropology, and Criminology). "Comparing Black Codes, Jim Crow Laws, and Conditions of Supervision."
40. Ebrahim K. Soltani, (Political Science). "A Comparative Study of Race and Subjective Well-being."
41. Macarthur Lamar Stewart, (Engineering Technology). "An innovative CAE method to analyze 3D printed transtibial sockets."
42. Christina Topolewski, (Social Work). "A Content Analysis of State-Level Policies: Hospital Visitation Policies for People with Disabilities during the COVID-19 Pandemic."
43. Audrey Viguiet, (World Languages). "Occitan Pamphlets Project."
44. Shu Wang, (Political Science). "Interlocal Collaboration for Climate Change Actions in Michigan Metropolitan Areas."