



THE
GRADUATE SCHOOL

UMD CHARLES A. CARMELLO DISTINGUISHED DISSERTATION AWARD
2021 DISSERTATIONS

AWARDS

SOCIAL SCIENCES

Tangere Hoagland, Ph.D.

Department of Women, Gender, and Sexuality Studies

Dissertation Title: *"When Surviving is Illegal: Black Women and the Entrapment of U.S. Incarceration and Welfare"*

Dissertation Advisor: Associate Professor Michelle Rowley

HUMANITIES AND FINE ARTS

Samuel Miner Ph.D.

Department of History

Dissertation Title: *"The Exiles' Return: Emigres, Anti-Nazis, and the Basic Law"*

Dissertation Advisor: Distinguished University Professor Jeffrey Herf

MATHEMATICS, PHYSICAL SCIENCES, AND ENGINEERING

Tianning Su, Ph.D.

Department of Atmospheric and Oceanic Sciences

Dissertation Title: *"Remote Sensing of Aerosol and the Planetary boundary layer"*

Dissertation Advisor: Distinguished University Professor Zhanqing Li

Soheil Behnezhad, Ph.D.

Department of Computer Science

Dissertation Title: *"Modern Large Scale Algorithms for Classical Graph Problems"*

Dissertation Advisor: Professor Mohammad Hajiaghayi

BIOLOGICAL AND LIFE SCIENCES

Morgan Botdorf, Ph.D.

Department of Psychology

Dissertation Title: *"Assessing the impact of typical variations in stressful life events on hippocampal development in childhood"*

Dissertation Advisor: Associate Professor Tracy Riggins



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2021 DISSERTATIONS**

HONORABLE MENTIONS

MATHEMATICS, PHYSICAL SCIENCES, AND ENGINEERING

Adelaide Nolan, Ph.D.

Department of Materials Science and Engineering

Dissertation Title: "*Computational Study of Solid-Cathode Interfaces and Coatings for Lithium-ion Batteries*"

Dissertation Advisor: Associate Professor Yifei Mo

BIOLOGICAL AND LIFE SCIENCES

Yantnew Gete, Ph.D.

Biological Sciences Program

Dissertation Title: "*INVESTIGATION OF THE MOLECULAR MECHANISMS OF VASCULAR ENDOTHELIAL DYSFUNCTION IN HUTCHINSON-GILFORD PROGERIA SYNDROME THROUGH IN VITRO 2D AND 3D MODELS*"

Dissertation Advisor: Associate Professor Kan Cao

BIOLOGICAL AND LIFE SCIENCES

Magda Mankel, Ph.D.

Department of Anthropology

Dissertation Title: "*Walking the Migrant Trail: Mobilizing cultural heritage and commemorating clandestine migration in the Arizona-Sonora Borderlands*"

Dissertation Advisor: Professor Paul Shackel