

URCW 2021

VIRTUAL UNDERGRADUATE
RESEARCH & CREATIVE WORKS



SIXTH ANNUAL VIRTUAL CONFERENCE

APRIL 23, 2021



POSTERS, PANELS, CREATIVE WORKS & DIGITAL MEDIA
PRESENTATIONS



WELCOME!

Thank you for choosing to be a part of Nevada State’s Undergraduate Research and Creative Works Conference. What an exciting event! This is an opportunity for our talented students to showcase their research abilities and creative skills. Nevada State recognizes that by supporting undergraduate research and creative works, we nourish our students’ scholarly and artistic abilities. These projects represent collaborative efforts between students and faculty to discover new knowledge, create unique art, and synthesize original ideas. Research on student success and career attainment indicates these types of experiences are high-impact practices, strengthening students’ cognitive abilities and instilling the skills employers most desire: the ability to analyze data, work effectively in high-functioning teams, and effectively present complex material to an audience.

I am so proud of our student researchers and artists and equally grateful for the outstanding mentorship provided by our faculty members. I know it will be a rewarding day for us all.

Be Bold, Be Great, Be State!

Vickie Shields, Ph.D.
Provost and Executive Vice President

MESSAGE FROM THE URCWC COMMITTEE

Welcome to the Undergraduate Research and Creative Works Conference (URCWC) at Nevada State. We are excited to have students representing many academic disciplines participate virtually this year.

In the spirit of innovation and collaboration, our faculty and staff constantly seek new opportunities to engage our students in high-impact research, discovery, and creative endeavors that will define their academic experience. Special thanks to the faculty and staff who mentored our student presenters. And most of all, congratulations to the student participants for your contributions to the body of work presented today.

Many contributed to making this event a success. This conference has become a premier event at Nevada State through the efforts of the Office of the Provost; the Undergraduate Research and Creative Works Conference Planning Committee; the Schools of Liberal Arts and Sciences, Education, and Nursing; and the Office of Marketing and Events.

Thank you for attending our virtual event today to celebrate and recognize the research and creative accomplishments of our amazing undergraduate students.

AWARDS CEREMONY

Nevada State faculty and staff will evaluate student presenters in several categories, including preparedness, presentation style, and project knowledge.

Awards will be given in the following categories:

- Best Posters (1st – 3rd) – Physical, Life, & Health Sciences (areas: Biology, Chemistry, Environmental & Resource Science, Geosciences, & Nursing)
- Best Posters (1st – 3rd) – Social Sciences (areas: Criminal Justice & Psychology)
- Best Oral Presentation (1st – 2nd) – All Disciplines
- Best Creative Works Piece (1st – 3rd)
- Best Visual Art (1st) – Photographs and Illustrations
- Best Films (1st in each category) – Animation, Short-form Narrative, Long-form Narrative

Please join us at 2:40 p.m. for final remarks and the awards presentation.

Thank you to our judges who volunteered this year!

Andra Scano	El Hachemi Bouali	Laura Rosales
Angela Brommel	Emily Hoover	Marian Azab
Bo Liang	Gregory Robinson	Matt Christensen
Bryan Sigel	Jamie Palmer	Paul Buck
Carlos Navarro	Joanna Shearer	Pete La Chapelle
Christine Beaudry	Katherine Durante	Seseer Mou-Danha
Clark Pearson	Kimberly Florence	Shirli Brautbar
	Leila Pazargadi	Stefany Sigler

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SCHEDULE OF EVENTS

TIME	EVENT	PRESENTER
9:00 AM - 9:10 AM	<u>Welcome Remarks/Introduction</u>	Dr. Susan Growe
9:15 AM - 10:00 AM	<u>KEYNOTE ADDRESS</u> “I, Too: Growing up Asian in Black and White America”	Dr. Julia Lee Associate Professor of English, Loyola Marymount University
10:10 AM - 11:25 AM	Session I	<ul style="list-style-type: none"> • <u>I.A: Oral Presentations</u> • <u>I.B: Social Sciences Posters</u> • <u>I.C: Physical, Life, and Health Sciences Posters</u>
11:30 AM - 12:00 PM	Lunch	
12:00 PM - 1:15 PM	Session II	<ul style="list-style-type: none"> • <u>II.A: Visual Media Exhibition</u> • <u>II.B: Physical, Life, and Health Sciences Posters</u> • <u>II.C: Social Sciences Posters</u>
1:20 PM - 2:35 PM	Session III	<ul style="list-style-type: none"> • <u>III.A: Creative Works Presentations</u> • <u>III.B: Visual Media Exhibition</u>
2:40 PM - 3:00 PM	<u>Awards Ceremony</u>	Dr. Laura Naumann and Dr. Gwen Sharp

SCHEDULE OF PRESENTATIONS
SESSION I 10:10-11:25 AM

Session I.A: Oral Presentations

Moderator: Michelle Region-Sebest

PROJECT TITLE	PRESENTER	DISCIPLINE/ADVISOR
Wounded Knee Cave's Air Temperature Analysis, Las Vegas, Nevada	Clarissa Neff	Environmental & Resource Science Laura Rosales Ph.D.
Asian American and Pacific Islander (AAPI) Women's Portrayal in TV Sitcoms,	Aimee McAfee	Communication Chris Harris, Ph.D.
A Community Comes Together	Katelyn Gerencser	English Laura Decker, Ph.D.
Gamblers, Gangsters, and Bootleggers: Patrons of the Arts in Kansas City's Golden Age of Jazz	Karl Hinkamp	History Pete La Chapelle, Ph.D.

Session I.B: Social Sciences Poster Presentations

Moderator: Carol Lee

PROJECT TITLE	PRESENTER(S)	DISCIPLINE/ADVISOR
The Intersection of Whiteness, the Criminal Justice System, and Racial Attitude	Jessica Baker	Criminal Justice Katherine Durante, Ph.D.
Gender Differences in Academic Faculty Workload	Rogelio Petras, Alejandra Carrillo-Marroquin, Melody Glover, & Megan Botello	Psychology Laura Naumann, Ph.D.
Hispanic Cultural Identification and Language Anxiety as Correlates of Social Anxiety among Hispanics	Anahita Sorooshian, Nadia Andres	Psychology Carol Lee, Ph.D.
“Is It Even Worth It?”: Guilt and Academic Outcomes among College Caregivers	Jesus Barraza Estrada	Psychology Shantal Marshall, Ph.D.
Close the Gates: How Dehumanizing Media Influences Support for Asylum Seekers	Jennifer Barajas & Tanya Smith	Psychology Shantal Marshall, Ph.D.

Session I.C: Physical, Life, and Health Sciences Poster Presentations

Moderator: Summer Liu

PROJECT TITLE	PRESENTER(S)	DISCIPLINE/ADVISOR
Growing Vegetables in Treated Sewage Water: It Is More Possible Than You Think!	Shawna Witt, Rayne Ecret, & Nette Glasper	Environmental Science Jennifer Edmonds, Ph.D.
The Effect of Red Wiggler Earthworm (<i>Eisenia foetida</i>) Diet on Resulting Vermicompost Nutrient Content	Veronica Gasca Alcantar, Vianey Murphy, Julie Penaloza, & Joseph Eggers	Environmental Sciences Jennifer Edmonds, Ph.D.
Bee Present: Pollination Preferences among Bees in Three Urban Settings at NSC	Maria Belleza Franco, Alexa Stepp Mitchell, Shelby Inouye	Environmental Sciences Jennifer Edmonds, Ph.D.
DNA Barcoding and Educational Tour of Nevada State College Flora	Alyssa Hall, Anjelique Leslie- Rivas, & Jossie Catalan	Biology Joseph Dertien, Ph.D.
Promoting Mental Health in Adolescents	Adriana Cunanan	Nursing Dawn Taylor, MSN-Ed.

SCHEDULE OF PRESENTATIONS

SESSION II 12:00-1:15 PM

Session II.A: Visual Media Exhibition

Moderator: Adam Davis

TITLE	GENRE	DIRECTOR	ADVISOR
<u>“Silent Joy”</u>	Short-form Narrative	Trinity Mitchell	Adam Davis, Ph.D.
<u>“The Move”</u>	Animation	Glenda Perez-Islas	Jo Meuris, MFA
<u>“Sparky the Wonder Dog”</u>	Animation	Samantha Raymond	Jo Meuris, MFA
<u>“The Scorned Lover”</u>	Short-form Narrative	Bianca Ordiway	Adam Davis, Ph.D.
<u>“The Big Scare”</u>	Short-form Narrative	Justin McAfee	Adam Davis Ph.D.
<u>“Stem”</u>	Animation	Mitchell Kirkpatrick	Jo Meuris, MFA
<u>“Dip”</u>	Long-form Narrative	Christine Turner	Adam Davis, Ph.D.

Session II.B: Physical, Life, and Health Sciences Poster Presentations

Moderator: Aster Sigel

PROJECT TITLE	PRESENTER(S)	DISCIPLINE/ADVISOR
Novel Synthetic Route for Rhodamine and Rosamine Fluorophores	Carlos Arambula-Quintero & Joseph Rodrigues	Chemistry Zach Woydziak, Ph.D.
Impact of Different Amounts of InhibitEx Buffer on Coyote Scat DNA Extractions	Vanessa Rivas, Ceonie Washington, & Gabriella Montes	Biology Bryan Sigel, Ph.D.
Assessing the Effect of Traffic-Related Pollutants in Stormwater Contamination	Ceonie Washington	Environmental Science Erick Bandala, Ph.D. (Desert Research Institute)
The 3rd Seat Is the Best Seat	Madison Evans & Edgar Canela Lopez	Mathematics Serge Ballif, Ph.D.
Increasing the Use of Complementary Therapies in Hospice Environments	Jennifer Banghart, Michelle Benetiz, Nicole Clark, Ehrine Cruz, Stephanie Gonzalez, Patricia Miles, Monica Monticelli, & Dana Quiambo	Nursing Andra Scano, MSN

Session II.C: Social Sciences Poster Presentations

Moderator: Lance Hignite

PROJECT TITLE	PRESENTER(S)	DISCIPLINE/ADVISOR
What Impacts Math Anxiety: Examining Growth Mindset, Parental Support & Teacher Support	Megan Botello	Psychology Laura Naumann, Ph.D.
A Pilot Study: Efficacy of a Single-Session Asynchronous Stress Management Workshop in Reducing Stress and Increasing Self-Efficacy to Manage Stress	Margaret Bowman	Psychology Carol Lee, Ph.D.
College Knowledge is Power: The Effects of Exposure to College Terminology on First- Generation College Students' Success	Nakayla Brown & Christina Yeghiazarian	Psychology Shantal Marshall, Ph.D.
Cultural Differences in Perceptions of Organizational Justice among Academic Faculty	Melody Glover, Megan Botello, Rogelio Petras, & Alejandra Carillo- Marroquin	Psychology Laura Naumann, Ph.D.

SCHEDULE OF PRESENTATIONS

SESSION III 1:20-2:35 PM

Session III.A: Creative Works Presentations

Moderator: Heather Lang-Cassera

PROJECT TITLE	PRESENTER(S)	DISCIPLINE/ADVISOR
Butterflies	Yessica Moreno Rojo	English Heather Lang-Cassera, MFA
Riley	Brandy Underwood	English Heather Lang-Cassera, MFA
Did You Say Democracy or Hypocrisy?	Jade Thrush	English Heather Lang-Cassera, MFA
Breath of Life	Joshua Gbafa	Visual Media Adam Davis, Ph.D.
Coexistence	Eduardo Munoz	Visual Media Adam Davis, Ph.D.
Creatures of the Ancient World	Valerie Daleiden	Visual Media Jo Meuris, MFA

Session III.B: Visual Media Exhibition

Moderator: Adam Davis

TITLE	GENRE	DIRECTOR	ADVISOR
“ Pedestrian ”	Short-form Narrative	Trinaty Mitchell	Adam Davis, Ph.D.
“ Scattered ”	Short-form Narrative	Danny Sanchez	Adam Davis, Ph.D.
“ Grape Nutz ”	Animation	Shanna Martinez	Jo Meuris, Ph.D.
“ Disconnected ”	Animation	Arnold Placencia-Flores	Jo Meuris, MFA
“ Bitter Sweet ”	Short-form Narrative	Trinaty Mitchell	Adam Davis, Ph.D.
“ Synthetic Beaches ”	Long-form Narrative	Alistair Cooper	Adam Davis, Ph.D.

ACKNOWLEDGEMENTS

SPECIAL THANK YOU
TO MENTORS, JUDGES, AND MODERATORS

CONFERENCE ORGANIZING COMMITTEE

CHRISTINE BEAUDRY, ASSISTANT PROFESSOR OF EDUCATION
ADAM DAVIS, ASSOCIATE PROFESSOR OF VISUAL MEDIA
SUSAN GROWE, ASSISTANT PROFESSOR OF NURSING
EMILY HOOVER, LECTURER OF ENGLISH
CAROL LEE, ASSISTANT PROFESSOR OF PSYCHOLOGY
LAURA NAUMANN, ASSOCIATE PROFESSOR OF PSYCHOLOGY
GWEN SHARP, VICE PROVOST FOR ACADEMIC INITIATIVES
ASTER SIGEL, INBRE DIRECTOR OF UNDERGRADUATE RESEARCH