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15TH ANNUAL STUDENT RESEARCH SYMPOSIUM

AN INTERDISCIPLINARY MEETING OF THE MINDS

Thursday, May 16, 2024
Building 900
12:00–1:00pm

PROGRAM

Welcome Message

Welcome to the 2024 Woodland Community College Student Research Symposium! Celebrating its 15th year, it's a forum for sharing ideas, fostering collaboration, and inspiring the next generation of scholars. We're thrilled to showcase the diverse research interests of our students, featuring projects from different academic disciplines, including agriculture/plant science, biology, the MESA program, psychology, and sociology. Join us in celebrating the hard work and dedication of our student researchers while making valuable connections.

The 15th Annual Student Research Symposium is organized by:
Prof. Nili Kirschner, Sociology
Department
Dr. Lorena Navarro, MESA Program
Director

**15th Annual
Woodland Community College
Student Research Symposium**

**BIOL 1 - Principles of Biology
Prof. Brian Gillespie**

How Does the Complexity of Sugars
Affect the Growth Rate of Yeast?

Bonnie Huang

Effect of Sucrose Concentration on
Brewer's Yeast Cell Density

Victoria Barrera and Julia Ferris

The Effect of Temperature on Yeast Cell
Growth

Lugian Abu Aboud and Jamella Mohsen

Will it Bread? Isolating Yeast from Fruit

Angelo Del Rosario and Michael Moderow

Yeast Growth in Different Environments

Mauricio Ramirez

**BIOL 7 - Intro to Biodiversity, Ecology,
and Evolution**

Prof. Brian Gillespie

Effects of Rose Flower Color on Bee
Pollination

Sarah Hassen Mohsen and Marisol Mora

RAV A R G O P P

Honeybee Tongue Length in Relation to Pollinated Flower Types

Sania Aliza Farhan and Laiba Ishtiaq

Patterns of Bee Visitation on Floral Components of Poppy Clusters

Jacob Tuazon and Fabian Vera

Will Native Flowers Support More Diversity of Native Bees?

Kyleigh Guitierrez, Valeria Solorzano Arvizu and Cameron Webster

MESA (Mathematics, Engineering, Science Achievement) Program **Dr. Lorena Navarro, Director**

Determining the Role of Host Cell Cytoskeleton in *Entamoeba histolytica* Trophocytosis

Osiris Carrillo Vargas

Role of CBC Protein Kinases in Regulating the Effector-Triggered Immunity

Samriya Khadka

Stigma- and Seed-sourced Microbes from Watermelon (*Citrullus lanatus*) Influence Seedling Health

Carina M. Lopez

PLSCI 20L - Principles of Plant Science **Prof. Candice Stafford Banks**

Need More Mulch?

Gabriela Mendoza Elias, Celeste Portillo and Aileen Romero

PROGRAM

PSYCH 7 – Research Methods in Psychology **Prof. Alison Buckley**

The Anxiety Algorithm: Does TikTok Affect Emotional Well-Being in Generation Z?

Esmeralda Madera, Angelica Mendez, Justin Padilla and Rista Shah

The Effect of Fear and Aggression Media Content on Political Polarization

Alex Calimlim, Autumn Co, Chloe Lynn and Chris Reynolds

Effects of Adverse Childhood Experiences on Alcohol Consumption

Nicole Thornton and Kevin Richards

Effects of Attachment Style on Stress During Social Rejection

Kayla Canady, Felipe de Jesus Hermosillo Favela, Daphne Muñoz and Christian Ramirez

The Role of Politeness in Breaking Social Norms Through Line-Cutting

Haley Aragon, Amanda Gonzales, Guadalupe Lopez and Asma Sultan

Saxophone Lo-Fi and Anxiety

Guillermo Dueñez Arroyo

Social Media's Impact on Students' Classroom Engagement

Grecia Maria Aguiñiga, Sania Aliza Farhan and Sundas Fatima

RESEARCH PROGRAM

Tik Tok Usage and Impact on Attention Span

Noor Ali, Bryanna Chavez, Chloe Robinson and Joycelyn J. Verma

SOCIL 8 – Social Science Research Methods

Prof. Nili Kirschner

Effects of Machismo on Mental Health Help-Seeking Behaviors

Anthony Reynoso

Homeless or Unsheltered? The Effect of Framing on Public Support for Housing Initiatives

Angela Morales

Impact of COVID 19 on Career Aspirations and Mental Health of Class of 2020: A Qualitative Study Proposal

King Zion Solomon Wagnon

Impact of Parental Involvement on Teen College Aspirations: A Qualitative Research Proposal

Byron McKee-Ota

Qualitative Analysis of Latino Family Dynamics and Adolescent Behavior

Gaby Gonzalez Sanchez

PROGRAM

Thank you for attending!
See you next year at the
16th Annual Student Research
Symposium on
May 8, 2025.

We are grateful for the support of our
President Lizette Navarette, Interim Vice
President of Instruction Sandy Fowler,
Interim Vice President of Student
Services Ariana Velasco, Librarian Dena
Martin, Library/Media Specialist Traci
Johnson, MESA Specialist Brenda
Aldama Garcia, Instructional Designer
Betsy Allen and the eLearning Studio.