

<b>Student Name</b>	<b>Academic Department</b>	<b>Research Project Title</b>
Sagarika Shrestha	Applied Communication Studies	An Interrogation of Hegemonic COVID-19 Mitigation Communication: Nepal as a Case Study
Kassidy Dexheimer	Applied Health	Mental Health and Well-being related to Academic and Athletic Stressors among Collegiate Student-athletes
Deborah Worley	Art and Design	Deborah Z. Worley - Masters of Fine Arts Thesis Exhibition
Evan Smith	Art and Design	Exploration of Material Meaning through 3D Printing and Metal Casting
Nkosi Wan	Art and Design	Exploring Art as Visual Commentary on the Othering of Black Minds, Bodies, and Culture
Alexandria Wilson	Biological Sciences	The role of Drosophila Stat92E signaling in response to repeated alcohol exposures
Alexis Acoff	Biological Sciences	Solitary Singletons to Plundering Plagues: Microbiome influence on Locust Polyphenism
Andrew Braun	Biological Sciences	Phage-Bacteria Interaction Dynamics within a Host Ecosystem
Andrew Hofferkamp	Biological Sciences	The Enemy of My Enemy is My Friend: Identifying Prophages in Paraburkholderia Symbionts of Dictyostelium Discoideum and Investigating Their Role in Host Colonization Competition:
Caitlin Martin	Biological Sciences	Investigating the Role of Lysozymes and Other Host Factors in Mediating Amoeba Resilience to Paraburkholderia Infections
Carolyn Kinnunen	Biological Sciences	Prevalence of Infection by Batrachochytrium dendrobatidis and Ranavirus in a sand prairie amphibian community in Southwestern Illinois
Efe Oniovokukor	Biological Sciences	Investigating the Impact of Predator odor Cue on Fieldmice
Emily Hendricks	Biological Sciences	Investigating mechanisms of Alzheimer's disease-associated synaptic dysfunction
Emma Chilcoat	Biological Sciences	Expression of Type VI Secretion System-Associated Toxins as an Antagonistic Mechanism in a Termite Symbiont
Jessica Sandoval	Biological Sciences	Environmental Drivers of Life History Variation in a Paedomorphic Salamander

Mariah Mack	Biological Sciences	Effects of hydroperiod length and predator cues on developmental plasticity in <i>Ambystoma texanum</i>
Noah Pyles	Biological Sciences	Auxin Production of Root-Associated Bacteria in Illinois Prairie Orchids
Jacob Smith	Chemistry	Measuring Contaminants of Emerging Concern in Illinois
Megan Davis	Chemistry	Detection of Per- and Polyfluoroalkyl Substances in Illinois using Liquid Chromatography-Mass Spectrometry
NFN Amena Abdul Razzak	Chemistry	The Interaction between NADPH Oxidase 5 and Caveolin
Opeyemi Bello	Chemistry	Production of Polyhydroxyalkanoates (PHA) from CO <sub>2</sub>
Rocky Thapaliya	Chemistry	Acetic acid production from glucose and formate by the co-culture of <i>Clostridium formicoaceticum</i> and <i>Lactobacillus lactis</i>
Summy Shrestha	Chemistry	Mass spectroscopy Based Metabolomic study of Mung Beans exposed to sublethal doses of Glyphosate
Zebediah Campbell	Chemistry	Exploring the Oxa-Michael Addition Step of the Oxa-Michael Ugi-Smiles Reaction
Ashish Aryal	Civil Engineering	Effect of Dust Ratio in The Performance of Unbound Base and Sub-base Aggregates Under Repeated Triaxial Loading in Higher Fines Content
Gokul Khatri	Civil Engineering	Response of Unbound Sub-Base and Base Aggregates to Plasticity Index, Dust Ratio, and Fines Content, Under Traffic Loading
Kamrul Hasan	Civil Engineering	Stress Distributions of Copper Pipes Buried in Dense Sand Due to Axial Push and Pull
Al Mahmud	Electrical and Computer Engineering	DETECTION OF PNEUMONIA USING FEATURE BASED MACHINE LEARNING AND DEEP LEARNING USING CNN
John Hilbing	Electrical and Computer Engineering	Necrotic Region Detection in Liver Samples through Computer Vision
Kayode Victor Amusan	English Language and Literature	THE ACQUISITION CHALLENGES OF ADJECTIVAL STRUCTURE AMONG NON-NATIVE LEARNERS OF ENGLISH LANGUAGE IN THE UNITED STATES: A STUDY OF YORUBA SPEAKERS OF ENGLISH
Kristin Racoosin	Environmental Sciences	Public risk perception of water quality and its influence on public engagement in watershed environmental justice

Akhil Vinnakota	Industrial Engineering	Accuracy Verification and Analysis of 3D printed anatomical parts for Pre-Surgical Studies of Pelvis
Dipon Roy	Industrial Engineering	Ergonomic risk and performance assessment using data envelopment analysis (DEA)
Nitesh Kumar Barnawal	Industrial Engineering	A Deep Learning- Based Closed-Loop Artificial Pancreas System for Unannounced Meals and Exercise
Ethan Blomberg	Mechanical and Mechatronics Engineering	Development of robotic technologies tailored to support the specialty crop production in the state of Illinois
Negar Rafiee Dolatabadi	Mechanical and Mechatronics Engineering	Detection of E.coli Bacteria Using PolyMUMPs Fabricated Microchip
Pooria Naderian	Mechanical and Mechatronics Engineering	Optimizing the tunability and linearity of a tunable MEMS capacitor
Shaybal Das Gupta	Mechanical and Mechatronics Engineering	Analysis of Interfacial Thin-film Evaporation in Mushroom-shaped Micro-pillar Structure
Faria Anjum Simin	Pharmaceutical Sciences	Immunofluorescence Study to Examine Intracellular Localization of Sigma Receptors in MCF-7 Breast Cancer, B16F-10 Murine Melanoma & BV-2 Microglial Cell Lines
Kuber Bajgain	Pharmaceutical Sciences	Evaluation of Neprilysin Activity of Novel Somatostatin Receptor Subtype-4 Agonist SM-I-26.
Omoh Emmanuel Ben	Pharmaceutical Sciences	Design and Synthesis Of eIF4E inhibitors
Prasant Khadka	Pharmaceutical Sciences	Design, Synthesis and Characterization of Polymers for Enhanced Drug Solubility
Safat Shoeb	Pharmaceutical Sciences	Expansion, synthesis, and biological evaluation of a focused library of N-substituted indolines and -1,2,3,4-tetrahydroquinolines as sigma receptor ligands
Christine Seitz	Psychology	Distraction and Interaction: The Role of Telework, Digital Competence, and Work Engagement on Work-Family Conflict and Family-Work Conflict