

**CONFIDENTIAL**

**CENTENNIAL CELEBRATION OF BETA KAPPA CHI SCIENTIFIC HONOR SOCIETY**

**78th Beta Kappa Chi and the National Institute of Science Joint Annual Meeting will be hosted on**

**March 29 - April 1, 2023 in Charlotte, North Carolina**

*Undergraduate Student Poster Presentation*

***BIOLOGY (BIO), CHEMISTRY (CHEM), ENGINEERING (ENG)***

***Judges Evaluation (Scoring) Form***

**Judge's Name and Affiliation:** \_\_\_\_\_

**Session:** Undergraduate Posters (PSUG)

**Time:** 8:30 AM–5:00 PM

**Room:** \_\_\_\_\_

**Date:** 03/30/2023

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<b>PSUG-01</b>	<b>ENG</b>	BIOCOMPATIBLE POLYGLYCIDOL-BASED HYDROGELS FOR LOAD-BEARING TISSUE ENGINEERING. <b>Sania Colbert.</b> <i>Fisk University</i>							
<b>PSUG-02</b>	<b>CHEM</b>	INVESTIGATION OF A PHOTOVOLTAIC CELL BASED ON NON-UNIFORM ILLUMINATION. <b>Jordan Graham.</b> <i>Norfolk State University</i>							
<b>PSUG-03</b>	<b>CHEM</b>	POST-POLYMERIZATION MODIFICATION OF BRANCHED POLYGLYCIDOL. <b>Joshua Amosu.</b> <i>Fisk University</i>							

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<b>PSUG-04</b>	<b>BIO</b>	INHIBITION OF ACETYL-COA CARBOXYLASE 1 SUPPRESSES CHOLANGIOCARCINOMA TUMORIGENESIS. <b>Azaria Jack. Dillard University</b>							
<b>PSUG-05</b>	<b>BIO</b>	AN ANALYSIS OF CANNABINOIDS AND AMMONIUM NITRATE AQUATIC POLLUTION ON THE MORPHOLOGICAL DEVELOPMENT ON PRE-METAMORPHIC TADPOLES. <b>Aariana Tucker. Norfolk State University</b>							

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PSUG-06	BIO	STUDIES ON FOLLICULOGENESIS IN THE DOMESTIC CAT. <b>Jada Wilson.</b> <i>Norfolk State University</i>							
PSUG-07	BIO	EPISTASIS OF CYTOCHROME P450 ENZYMES 2C9 AND 2C19. <b>Ajeya Dixon.</b> <i>Norfolk State University</i>							
PSUG-08	BIO	DUF2419 AND THE DYNAMIC QUEUOSINE (Q) CHANGES OF TRNA IN VIVO. <b>Chanel Staton.</b> <i>Norfolk State University</i>							

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<b>PSUG-09</b>	<b>BIO</b>	THE EFFECTS OF COAL TAR CREOSOTE ON THE EARLY DEVELOPMENTAL STAGES OF LOCAL GERMINATING PLANT LIFE. <b>DonnaMarie Miller.</b> <i>Norfolk State University</i>							
<b>PSUG-10</b>	<b>BIO</b>	QUALITY CARE ASSESSMENT FOR SICKLE CELL PATIENTS. <b>Myles Perry.</b> <i>Norfolk State University</i>							
<b>PSUG-11</b>	<b>BIO</b>	PRODUCTION OF HYDROGEN PEROXIDE IN C. ELEGANS FROM PFOS EXPOSURE. <b>Faith Smith.</b> <i>Fort Valley State University</i>							

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PSUG-12	BIO	REPRESSION OF RPS15 LEADS TO DIVERSE TRANSCRIPTIONAL RESPONSES IN SACCHAROMYCES CEREVISIAE. <b>Raphyl Rosby.</b> <i>Southern University and A&amp;M College</i>							
PSUG-13	BIO	.SELENIUM APPEARS TO DRIVE AMENSALISM AMONG BACTERIODES IN HUMAN GUT MICROBIOME. <b>Jaden Hines.</b> <i>Livingstone College</i>							

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<b>PSUG-14</b>	<b>BIO</b>	FUNGAL PLANT PATHOGEN DETECTION USING UV REFLECTIVE POWDER. <b>Curvion Ezell, Fort Valley State University</b>							
<b>PSUG-15</b>	<b>BIO</b>	A STUDY OF THE SUSCEPTIBILITY OF THE REPRODUCTION AND MORPHOLOGY OF DANIO RERIO TO AMMONIUM NITRATE TOXICITY. <b>Dejanah Lorth, Norfolk State University</b>							
<b>PSUG-16</b>	<b>CHEM</b>	COMPUTATIONAL ANALYSIS OF UDP-GLYCOSYLTRANSFERASE VARIATION ACROSS STRAINS OF CAENORHABDITIS ELEGANS							

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		<b>Aleya Johnson.</b> <i>Fort Valley State University</i>							
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<b>PSUG-17</b>	<b>CHEM</b>	THE COMPUTATIONAL STUDY OF PHENOTHIAZINE ANTIPSYCHOTICS AS POTENTIAL ANTI-TUMOR DRUGS. <b>Areona Little.</b> <i>Fort Valley State University</i>							
<b>PSUG-18</b>	<b>BIO</b>	REDUCING THE RISK OF SIDS IN NASHVILLE, TENNESSEE. <b>Jordan Smith.</b> <i>Fisk University</i>							
<b>PSUG-19</b>	<b>BIO</b>	DOMESTIC VIOLENCE AND MENTAL HEALTH AMONG YOUNG AFRICAN AMERICANS. <b>Aleccis Taylor.</b> <i>Fisk University</i>							





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PSUG-20	BIO	BREAST CANCER AWARENESS & COVID-19 AMONG AFRICAN AMERICAN WOMEN. <b>Trinity Upshaw.</b> <i>Fisk University</i>							
PSUG-21	BIO	COVID-19 AND ITS EFFECTS ON MENTAL HEALTH: ADHD IN AFRICAN AMERICAN COLLEGE STUDENTS. <b>Mauryce Thomas, II.</b> <i>Fisk University</i>							
PSUG-22	BIO	DIABETES AWARENESS: DECREASE AND LOWER THE RISK OF THE FRESHMAN FIFTEEN. <b>Rhyan Hewlin.</b> <i>Fisk University</i>							

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PSUG-23	BIO	WHY DO AFRICAN-AMERICANS HAVE THE MOST STROKES? <b>Allyson Merriweather.</b> <i>Fisk University</i>							
PSUG-24	BIO	MATERNAL AND INFANT MORTALITY IN AFRICAN AMERICAN WOMEN. <b>Vichelle Johnson.</b> <i>Fisk University</i>							
PSUG-25	BIO	HYPERTENSION AND STROKE AWARENESS AMONGST AFRICAN AMERICANS. <b>Imani Douglas.</b> <i>Fisk University</i>							
PSUG-26	CHEM	ALUMINUM-ION BATTERY: A CASE STUDY OF IONIC LIQUID ELECTROLYTES. <b>Maya Smith.</b> <i>Fort Valley State University</i>							

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PSUG-27	BIO	UNDERSTANDING THE RESPONSE AND LIMITS OF THE EXTREMOTOLERANT FUNGUS, KNUFIA PETRICOLA, TO DESICCATION STRESS. <b>John Josiah Olalekan.</b> <i>Johnson C. Smith University</i>							
PSUG-28 (NC)	BIO	ENGINEERING E. COLI FOR PROFUSION OF DRUG-LIKE MOLECULES. <b>Destiny Marcus.</b> <i>Livingstone College</i>							
PSUG-29	SSO	EXAMING THE EFFECT OF REDLINING ON PRE-TERM BIRTHS IN MECKLENBURG COUNTY, CHARLOTTE, NC USING ARCGIS STORYMAPS. <b>Shay Bell.</b> <i>John C. Smith University</i>							

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<b>PSUG-30</b>	<b>BIO</b>	THE SYNTHETIC INVESTIGATION OF SILICA MODIFIED POLYMERS. <b>Dajaneen Alejandro-Ortiz.</b> <i>Livingstone College</i>							
<b>PSUG-31</b>	<b>ENG</b>	COMPARING METHODS OF MANUFACTURING PEROVSKITE SOLAR CELLS. <b>Madalynn Payne.</b> <i>Livingstone College</i>							