

RESEARCH DAY REMOTE SESSIONS – TUESDAY APRIL 5, 2022

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Time	Title of Presentation	Abstract	Virtual Participation Link	Student/Faculty Presenter
10:00 – 10:30 AM Paper <i>30 minutes</i>	University Honors Program: Enhanced learning experiences	The role in any university honors program is to provide an enhanced learning experience. Students who are enrolled in the honors program could gain hands on practical experiences and can be utilized in the real world. Additionally, honors program students can participate in research projects and potential internship approaching graduation. With these opportunities in mind, The GSU Honors Program seeks to expands its initiatives focusing on three strategies: connection, engagement, and long-lasting professional relationships with its alumni (Chaney et al., 2020).The purpose of this paper is to establish a framework correlated to the role of the University Honors Program’s strategic plan. Throughout this process, details to these following questions are addressed: What impact does the University Honors Program have on its students, and how are Honors Program students connected and engaged throughout their academic career? This question will address the significance of an honors program throughout its own strategic planning process and how these strategies can be incorporated in the future. Examining the literature will provide the necessary framework for understanding the purpose of an honors program, proceeded by strategic plans and goals established by the National Collegiate Honors College and how the GSU Honors Program can utilize these goals in its own strategy.	Meeting Link: Here Password: BallroomA	Jonathan Cruz Doctoral Student Interdisciplinary Leadership College of Education
10:30 – 11:00 AM Poster Session	The Role of Arts Participation in Students' Lives	Students can develop depression symptoms, anxiety, and maladaptive behaviors as they deal with extracurricular demands, competing work / family demands, and adjust to new technology and experiences (Miech et al., 2015; Osam et al., 2017; Pedrelli et al., 2015). Arts participation can have a positive effect on mental health and psychosocial wellbeing (Archambault et al., 2020; Macpherson et al., 2016). This presentation will discuss the preliminary results	Meeting Link: Here Password: BallroomB	Kyle Biedron Graduate Student Psychology Rolando Serna Graduate

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30 minutes		of a qualitative study examining the role of arts participation in students' lives across two public universities. Five themes emerged such as arts participation playing a role in promoting health, personal identity development, self-expression, socialization, and developing sociocultural insights. Infusing art into course related activities, wellness initiatives, and physical spaces may be helpful for students' well-being and to juggle work/life/school responsibilities.		Student Social Work Faculty Sponsor: Dr. Linda D Campos-Moreira Assistant Professor College of Health and Human Services
NOON – 12:30 PM Poster Session 30 minutes	Literature Search of Extraction and Identification of Fragrant Chemicals in Sandal Wood	Two independent literature searches were conducted for extraction and identification of fragrant chemicals found in sandal wood. A total of eleven relevant research articles were selected from over twenty five articles. The combined results of the two studies are reported in this presentation. Different species of sandal wood trees are found mainly in the Pacific Ocean countries and Indian subcontinent. Varying fragrant chemicals are found in these trees from different regions. Traditional extraction methods, including steam distillation and hydro-distillation, were employed to extract essential oils from sandal wood. Two other methods employing microwave assisted distillation and supercritical fluid (SCF) CO ₂ extraction also yielded satisfactory yields of essential oils. The separation and identification of fragrant components were conducted by employing gas chromatography-mass spectrometry techniques (GC-MS) in all studies. Two dimensional gas chromatography-flame ionization detection techniques (GC-FID) were used in two studies for separation followed by mass spectrometry for identification. Infrared spectroscopy was also employed for identification of functional groups in the fragrant chemicals. Major fragrant components of essential oils of sandal wood are (Z)-a-santalol,	Meeting Link: Here Password: BallroomC	Maggie Havlin Undergraduate Student Chemistry Edward Hebert Undergraduate Student Chemistry Faculty Sponsor: Dr. Shailendra Kumar Professor College of Arts and Sciences

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		<p>(Z)-b-santalol, epi-b-santalol, a-santaldiol, b-santaldiol, (Z)-a-trans-bergamotol, (Z)-nuciferol, The components with highest concentrations in the sandal wood essential oils are (Z)-a-santalol and (Z)-b-santalol, with approximately over 40% and 15% concentrations, respectively. The next major components with lesser concentrations are (Z)-a-trans-bergamotol, epi-b-santalol, and a-santaldiol, with approximately 5%, 3%, and 3% concentrations, respectively. Other components usually have concentrations of less than 1%. Detailed results of concentrations of fragrant components in sandal wood will be presented.</p>		