

YFSF POSTER SESSION



Friday

Criminalistics

- 11:30 a.m. – 1:00 p.m. **Y1** **DNA Integrity and Fungal Contamination as a Function of Time in Freshwater Drowning Deaths**
*Maeve Godshalk, BS**
- Y2** **Production of Recombinant Semenogelin Protein Fragments for the Improved Antibody-Based Detection of Body Fluids**
Thomas Washington, BS, William Gibbs, Clancy McIntyre, Pamela Marshall, PhD, Michael Jensen-Seaman, PhD*
- Y3** **A New Algorithm for Source Identification of Look-Alike Footwear Impressions Based on Automatic Alignment**
Hana Lee; Alicia Carriquiry, PhD*
- Y4** **Ensemble of SLR Systems for Forensic Evidence**
Federico Veneri, MS; Danica Ommen, PhD*

Digital & Multimedia Sciences

- 11:30 a.m. – 1:00 p.m. **Y5** **Forensic Assessment of the Morphed Audios Using Conventional and Modern Techniques of Speaker Identification**
Palak Aneja Pursuing, PhD; Sumit Choudhary, PhD; Surbhi Mathur, PhD*

General

- 11:30 a.m. – 1:00 p.m. **Y6** **Towards a Score-Based Likelihood Ratio for Footwear Analysis**
Valeri Han, BS; Alicia Carriquiry, PhD*
- Y7** **Development of a Rapid Drug Detection Method for Insects Using Paper Spray Ionization Mass Spectrometry (PSI-MS)**
*Alexandria Plyler, BS**
- Y8** **Characterization of Metal-Peroxide Explosive Complexes Using Paper Spray Ionization Tandem Mass Spectrometry (PSI-MS)**
*Kayla Massari**
- Y9** **The Extraction and Identification of Illicit Compounds From Baked Goods Using Paper Spray Ionization Tandem Mass Spectrometry**
*Isabella Haberstock**

Pathology/Biology

11:30 a.m. – 1:00 p.m. **Y10** **Estimating Decomposition Time Via Bacteria From Rat Models**
*Kayce Boggess, BS**; *Jan Janecka, PhD*; *Lisa Ludvico, PhD*; *Evan Penrod, MS*; *Lyndsie Ferrara, PhD*

Toxicology

11:30 a.m. – 1:00 p.m. **Y11** **Identification of Counterfeit Alcohols in Cocktails by Paper Spray Ionization- Mass Spectrometry**
*Derek Heacox, BS**; *Michael Van Stipdonk, PhD*

Y12 **Validation of an LC/MS/MS Method for 23 Fentanyl Analogs in Oral Fluid**
*Nicole Haase, BS**; *Frederick Fochtman, PhD*; *Haley Berkland, MS*; *Ashley Trouten, BS*;
Stephanie Wetzel, PhD