

JOURNAL OF FORENSIC SCIENCES

2021 Noteworthy Articles

Anthropology

Language use in ancestry research and estimation

Christopher Maier PhD, Alba Craig BA,
Donovan M. Adams PhD

Criminalistics

Direct seminal fluid identification by protease-free high-resolution mass spectrometry

Catherine O. Brown MSFS, Brianna L. Robbins MSFS,
Heather E. McKiernan PhD, Phillip B. Danielson PhD,
Kevin M. Legg PhD

Firearm examination: Examiner judgments and computer-based comparisons

Erwin J. A. T. Mattijssen MSc, Cilia L. M. Witteman PhD,
Charles E. H. Berger PhD, Xiaoyu A. Zheng MSc,
Johannes A. Soons PhD, Reinoud D. Stoel PhD

Trace level detection of select opioids (fentanyl, hydrocodone, oxycodone, and tramadol) in suspect pharmaceutical tablets using surface-enhanced Raman scattering (SERS) with handheld devices

Martin M. Kimani PhD, Adam Lanzarotta PhD,
JaCinta S. Batson MS

Digital & Multimedia Sciences

The COLLECTORS ranking scale for 'at-scene' digital device triage

Graeme Horsman PhD

General

Individuals lacking ridge detail:

A case study in adermatoglyphia

Heather Isla Cook MSc, Karl Harrison PhD,
Helen James

Odontology

Age-at-death estimation in adults using three forensic methodologies: A Lamendin's technique approach for Latin American context and the extension of a forensic international dental database

Gonzalo Garizoain PhD, Roberto C. Parra MA, Karen J. Escalante-Flórez DDS, Claudia M. Aranda BA, Leandro H. Luna PhD, Lucio A. Condori MA, Clara I. Valderrama-Leal DDS, Fernando Retana-Milán DDS



Pathology/Biology

Pediatric opioid fatalities:

What can we learn for prevention?

Sandra C. Bishop-Freeman PhD, Kerry A. Young MS,
Michelle B. Aurelius MD, Jason S. Hudson PhD

Psychiatry & Behavioral Science

Similar crimes, similar behaviors? Comparing lone-actor terrorists and public mass murderers

Paul Gill PhD, James Silver PhD, John Horgan PhD,
Emily Corner PhD, Noémie Bouhana PhD

Questioned Documents

Determining the chronological sequence of inks deposited with different writing and printing tools using ion beam analysis

Vairavel Mathayan PhD, Maurício Sortica PhD,
Daniel Primetzhofer PhD

Toxicology

Fentanyl-related substance scheduling as an effective drug control strategy

Victor W. Weedn MD JD, Mary Elizabeth Zaney BSc,
Bruce McCord PhD, Ira Lurie PhD, Andrew Baker MD