

JOURNAL OF FORENSIC SCIENCES

2025 Noteworthy Articles

Anthropology

Human tissue oxygen and strontium isotope values in North America: A data compilation and assessment for forensic geolocation
Kirsten A. Verostick PhD, Alejandro Serna PhD, Chris Stantis PhD, Gabriel J. Bowen PhD

Criminalistics

Inter-laboratory variation in interpretations, comparisons, and statistical analyses of DNA mixtures
R. Austin Hicklin PhD, Nicole Richetelli PhD, Robert A. Bever PhD, Jonathan M. Davoren MS

From ashes to evidence: A study on the alterations in bloodstain patterns in high heat environments and post-fire scenes
Zack Kowalske MS, Abdulrahman Oleiwi PhD, Graham Williams PhD

Laser-induced breakdown spectroscopy/laser ablation coupled to inductively coupled plasma mass spectrometry (LIBS/LA-ICP-MS) for the forensic screening and discrimination of lead-free solders
Kate Moghadam PhD, Diane Beauchemin PhD, Claude Dalpé PhD

Digital & Multimedia Sciences

Toward a unified methodology for preliminary digital evidence assessment: Standardizing forensic investigations
Arwa Juma AlBusaidi PhD, Laiha Binti Mat Kiah PhD, Ainuddin Wahid Bin Abdul Waha PhD

Engineering & Applied Sciences

Standardized measurement of surface dry particle thickness for walkway slip resistance
Jonathan Lee-Confer PhD, Lila Wayman, David Collette MBA, BS

Forensic Nursing Science

Genital lacerations following sexual assault and consensual sexual intercourse: A systematic review and meta-analysis
Leah S. Crawford EMT, Nancy R. Downing PhD, RN, SANE-A, SANE-P, FAAN, Abimbola D. Famurewa CPS, Jennifer R. Markowitz ND, RN, WHNP-BC, SANE-A, DF-IAFN, Gang Han PhD

General

Quality issue management and disclosure in forensic science: A survey of practice and perceptions
Anna L. Heavey MBA, Max M. Houck PhD, Gavin R. Turbett PhD, Simon W. Lewis PhD



Odontology

Human identification through smile photographs: Comparison of two methods based on selfies
Damaris Roberta Alves Menezes De Sousa DDS, Carolina de Paula Rossetto Lisboa DDS, Ademir Franco PhD, José Luiz Cintra Junqueira PhD, Anne Caroline Oenning PhD, Monikelly do Carmo Nascimento Narchini PhD, Mariana Quirino Silveira Soares PhD

Pathology/Biology

Potential postmortem microbial biomarkers of infant and younger children death investigation
Bethany Mikles MS, Carl J. Schmidt MD, MPH, M. Eric Benbow PhD, Heather R. Jordan PhD, Jennifer L. Pechal PhD

Psychiatry & Behavioral Science

The grip of crime: Analyzing strangulation and asphyxiation typologies in homicide cases
Victor G. Petreca PhD, DNP, Kalliopi Tzani-Pepelasis PhD, Maria Ioannou PhD, Alice Siggery PhD, Lauren McBride BA, Elora Barros, Ann W. Burgess DNSc

Questioned Documents

Examination of customized questioned digital documents
Oluwasola Mary Adedayo PhD, Martin S. Olivier PhD

Toxicology

Drug-facilitated crime: A review of findings between 2019 and 2023
Meaghan R. Hessler MSFS, Sherri L. Kacinko PhD, Barry K. Logan PhD