

JOURNAL OF FORENSIC SCIENCES

2023 Noteworthy Articles

Anthropology

Evaluating expertise in forensic anthropology

Nicholas V. Passalacqua PhD, Natalie R. Langley PhD,
Marin A. Pilloud PhD, MariaTeresa A. Tersigni-Tarrant PhD

Criminalistics

Accuracy of comparison decisions by forensic firearms examiners

Keith L. Monson PhD, Erich D. Smith MSFS, Eugene M. Peters PhD

Y-STR mixture deconvolution by single-cell analysis

Kaitlin Huffman PhD, Erin Hanson PhD, Jack Ballantyne PhD

Organic impurity profiling of fentanyl samples associated with recent clandestine laboratory methods

Steven G. Toske PhD, Jennifer R. Mitchell MS, James M. Myslinski PhD, Andrew J. Walz PhD, David B. Guthrie PhD, Elizabeth M. Guest PhD, Charlotte A. Corbett PhD, Emily D. Lockhart MS

Digital & Multimedia Sciences

We are meeting on Microsoft Teams: Forensic analysis in Windows, Android, and iOS operating systems

Herschel Bowling, Kathryn Seigfried-Spellar PhD,
Umit Karabiyik PhD, Marcus Rogers PhD

Engineering & Applied Sciences

Validation of a new method of providing case-specific time-of-death estimates using cadaver temperatures

John Abraham PhD, Tie Wei PhD, Lijing Cheng PhD

General

The most consistent finding in forensic science is inconsistency

Itiel E. Dror PhD

Jurisprudence

Wrongful convictions and claims of false or misleading forensic evidence

John Morgan PhD



Odontology

Deep learning for sex determination: Analyzing over 200,000 panoramic radiographs

Ana Claudia Martins Ciconelle BSc, MSc, Renan Lucio Berbel da Silva DDS, MSc, Jun Ho Kim DDS, MSc, PhD, Bruno Aragão Rocha MD, Dênis Gonçalves dos Santos BSc, Luis Gustavo Rocha Vianna BSc, MSc, Luma Gallacio Gomes Ferreira BSc, Vinícius Henrique Pereira dos Santos, Jeferson Orofino Costa DDS, Renato Vicente BSc, MSc, PhD

Pathology/Biology

Medical examiner response to the drug overdose epidemic in King County Washington: "Real-time" surveillance, data science, and applied forensic epidemiology

Richard C. Harruff MD, PhD, Nicole A. Yarid MD,
William L. Barbour BS, Yang H. Martin MS

Psychiatry & Behavioral Science

Mass murders involving firearms and other methods in school, college, and university settings: Findings from the Columbia Mass Murder Database

Ragy R. Girgis MD, Russell Tyler Rogers MA, Hannah Hesson BA,
Jeffrey A. Lieberman MD, Paul S. Appelbaum MD, Gary Brucato PhD

Questioned Documents

A statistical approach to aid examiners in the forensic analysis of handwriting

Amy M. Crawford PhD, Danica M. Ommen PhD,
Alicia L. Carriquiry PhD

Toxicology

The rise and rise of fentanyl in postmortem casework

Gail Cooper PhD