

FORENSIC SCIENCE RESEARCH DIGEST

Volume 1, Issue 10, November 2017

Illicit Drugs – Detection and Analysis.....	2
Illicit Drugs – Policy	2
Opioids and Other Substance Abuse	4
Forensic Toxicology	5
Racing Chemistry	7
Sports Doping	7
Trace/Physical Evidence	7
Forensic Mineralogy (incl. Soil Analysis).....	8
Document Examination	9
Forensic Biology.....	9
Crime Scene	9
Impression Evidence	10
Ballistics	10
Fire and Explosion Investigation.....	11
Forensic Engineering	11
Digital Forensics and Cybercrime	11
Forensic Entomology	12
Environmental Forensics (incl. Wildlife)	12
Forensic Pathology	13
Forensic Anthropology	15
Forensic Archaeology	16
Forensic Odontology.....	17
Forensic Psychiatry and Psychology	17
Biometrics.....	19
Statistics.....	20
CBRN	20
Cognitive Bias	21
Criminology.....	21
Law.....	22
Policing	23
Terrorism	24
Policy, Management and Education	24
Other.....	24

Illicit Drugs – Detection and Analysis

Assessing the quality and reliability of the DEA drug identification process,

<https://doi.org/10.1016/j.forc.2017.10.005>.

Assessment of types of synthetic cannabinoids in narcotic cases assessed by the Council of Forensic Medicine between 2011–2015, Ankara, Turkey, <https://doi.org/10.1016/j.forsciint.2017.09.017>.

Death by heroin intoxication in a body pusher with an innovative packaging technique: case report and review of the literature, <https://doi.org/10.1016/j.forsciint.2017.08.030>.

Determination of cannabinoids from a surrogate hops matrix using multiple reaction monitoring gas chromatography with triple quadrupole mass spectrometry, <https://dx.doi.org/10.1002/jssc.201700946>.

Drug residues in used syringes in Switzerland: A comparative study, <https://dx.doi.org/10.1002/dta.2335>.

Drugs of Abuse and Novel Psychoactive Substances at Outdoor Music Festivals in Colorado, <https://doi.org/10.1080/10826084.2017.1400067>.

Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection, <https://doi.org/10.1016/j.aca.2017.10.035>.

Four experimental stimulants found in sports and weight loss supplements: 2-amino-6-methylheptane (octodrine), 1,4-dimethylamylamine (1,4-DMAA), 1,3-dimethylamylamine (1,3-DMAA) and 1,3-dimethylbutylamine (1,3-DMBA), <https://doi.org/10.1080/15563650.2017.1398328>.

From ecstasy to MDMA: Recreational drug use, symbolic boundaries, and drug trends, <https://doi.org/10.1016/j.drugpo.2017.07.030>.

Method validation parameters for drugs and explosives in ambient pressure ion mobility spectrometry, <https://doi.org/10.1007/s12127-017-0221-z>.

Regioisomeric differentiation of synthetic cannabinoids with an N-fluorobenzyl indole core by gas chromatography–tandem mass spectrometry, <https://doi.org/10.1016/j.forc.2017.09.002>.

Sensitive Potentiometric Determination of Amphetamine with an All-Solid-State Micro Ion-Selective Electrode, <https://doi.org/10.1080/00032719.2017.1326053>.

Spray-inlet microwave plasma torch ionization tandem mass spectrometry for the direct detection of drug samples in liquid solutions, <https://dx.doi.org/10.1002/rcm.7991>.

Variation in chemical profiles within large seizures of cocaine bricks, <https://doi.org/10.1016/j.forsciint.2017.10.007>.

Illicit Drugs – Policy

Adaptation of the ASSIST peer-led smoking intervention to deliver information from the Talk to FRANK drug education website (ASSIST+FRANK): a pilot cluster-randomised controlled trial, [https://doi.org/10.1016/S0140-6736\(17\)32936-7](https://doi.org/10.1016/S0140-6736(17)32936-7).

An island apart? Risks and prices in the Australian cryptomarket drug trade, <https://doi.org/10.1016/j.drugpo.2017.09.005>.

- Attitudes of intravenous drug users in London towards the provision of drug consumption rooms, <https://doi.org/10.1080/09687637.2016.1252316>.
- Cannabis for personal use in the Supreme Court of Mexico: Legal case and potential for policy change, <https://doi.org/10.1016/j.drugpo.2017.07.031>.
- Categorization of psychoactive substances into “hard drugs” and “soft drugs”: a critical review of terminology used in current scientific literature, <https://doi.org/10.1080/00952990.2017.1335736>.
- Common and differential factors associated with abstinence and poly drug use among Australian adolescents, <https://doi.org/10.1016/j.drugpo.2017.09.011>.
- Conduct Disorder Symptoms and Illicit Drug Use in Juvenile Justice Involved Youth: The Reciprocal Relationship Between Positive Illicit Drug-Use Attitudes and Illicit Drug Use, <https://doi.org/10.1080/10826084.2017.1402058>.
- Criminal justice involvement of crack cocaine users in the city of Rio de Janeiro and Greater Metropolitan Area: Implications for public health and the public security agenda, <https://doi.org/10.1016/j.drugpo.2017.07.034>.
- Cross-border migration and initiation of others into drug injecting in Tijuana, Mexico, <https://dx.doi.org/10.1111/dar.12630>.
- Do characteristics of marijuana use correspond to overall health levels for medical marijuana patients?, <https://doi.org/10.1080/14659891.2017.1394383>.
- Dockers in Drugs: Policing the Illegal Drug Trade and Port Employee Corruption in the Port of Rotterdam, <https://doi.org/10.1093/police/paw044>.
- Drugs of Abuse and Novel Psychoactive Substances at Outdoor Music Festivals in Colorado, <https://doi.org/10.1080/10826084.2017.1400067>.
- ‘Enjoying the kick’: Locating pleasure within the drug consumption room, <https://doi.org/10.1016/j.drugpo.2017.07.005>.
- Event-Specific Cannabis Use and Cannabis Use Motives, <https://doi.org/10.1080/10826084.2017.1399142>.
- Exploring the relationship between online buyers and sellers of image and performance enhancing drugs (IPEs): Quality issues, trust and self-regulation, <https://doi.org/10.1016/j.drugpo.2017.09.004>.
- Factors associated with public injection and nonfatal overdose among people who inject drugs in street-based settings, <https://doi.org/10.1080/09687637.2017.1351524>.
- Factors shaping different trajectories of amphetamine-type-stimulant use: a systematic review of qualitative research, [https://doi.org/10.1016/S0140-6736\(17\)32999-9](https://doi.org/10.1016/S0140-6736(17)32999-9).
- From ecstasy to MDMA: Recreational drug use, symbolic boundaries, and drug trends, <https://doi.org/10.1016/j.drugpo.2017.07.030>.
- From mundane medicines to euphorogenic drugs: How pharmaceutical pleasures are initiated, foregrounded, and made durable, <https://doi.org/10.1016/j.drugpo.2017.08.006>.
- Heterogeneity of state medical marijuana laws and adolescent recent use of alcohol and marijuana: Analysis of 45 states, 1991–2011, <https://doi.org/10.1080/08897077.2017.1389801>.
- “I love having benzos after my coke shot”: The use of psychotropic medication among cocaine users in downtown Montreal, <https://doi.org/10.1016/j.drugpo.2017.07.012>.
- Legal cannabis laws, home cultivation, and use of edible cannabis products: A growing relationship?, <https://doi.org/10.1016/j.drugpo.2017.09.014>.

- Lives of Substance: a mixed-method evaluation of a public information website on addiction experiences, <https://doi.org/10.1080/09687637.2017.1397602>.
- Making medicine; producing pleasure: A critical examination of medicinal cannabis policy and law in Victoria, Australia, <https://doi.org/10.1016/j.drugpo.2017.07.020>.
- Materialising drugged pleasures: Practice, politics, care, <https://doi.org/10.1016/j.drugpo.2017.10.001>.
- Medicalization of cannabis: What does it mean?, <https://doi.org/10.1016/j.drugpo.2017.07.032>.
- Perceived Risk Associated with MDMA (Ecstasy/Molly) use Among African Americans: What Prevention and Treatment Providers Should Know, <https://doi.org/10.1080/10826084.2017.1392985>.
- Polydrug use and its association with drug treatment outcomes among primary heroin, methamphetamine, and cocaine users, <https://doi.org/10.1016/j.drugpo.2017.07.009>.
- Psychedelic pleasures: An affective understanding of the joys of tripping, <https://doi.org/10.1016/j.drugpo.2017.07.017>.
- Risky pleasures and drugged assemblages: Young people's consumption practices of AOD in Madrid, <https://doi.org/10.1016/j.drugpo.2017.08.002>.
- Saying no to weed: Public opinion towards cannabis legalisation in Uruguay, <https://doi.org/10.1080/09687637.2016.1237475>.
- Support of supervised injection facilities by emergency physicians in Canada, <https://doi.org/10.1016/j.drugpo.2017.07.013>.
- The adherence to UK legislation by online shops selling new psychoactive substances, <https://doi.org/10.1080/09687637.2017.1284417>.
- The effectiveness of diversion programmes for offenders using Class A drugs: a systematic review and meta-analysis, <https://doi.org/10.1080/09687637.2017.1398715>.
- The impact of compliance with a compulsory model of drug diversion on treatment engagement and reoffending, <https://doi.org/10.1080/09687637.2016.1219695>.
- The impact of harm reduction programs and police interventions on the number of syringes collected from public spaces. A time series analysis in Barcelona, 2004–2014, <https://doi.org/10.1016/j.drugpo.2017.07.033>.
- Time for cannabis vendors to grow up, [https://doi.org/10.1016/S0262-4079\(17\)32260-1](https://doi.org/10.1016/S0262-4079(17)32260-1).

Opioids and Other Substance Abuse

- Association between binge drug use and suicide attempt among people who inject drugs, <https://doi.org/10.1080/08897077.2017.1389800>.
- Benzodiazepines and Z-Drugs: An Updated Review of Major Adverse Outcomes Reported on in Epidemiologic Research, <https://doi.org/10.1007/s40268-017-0207-7>.
- “Caught with a body” yet protected by law? Calling 911 for opioid overdose in the context of the Good Samaritan Law, <https://doi.org/10.1016/j.drugpo.2017.09.010>.
- Cross-border migration and initiation of others into drug injecting in Tijuana, Mexico, <https://dx.doi.org/10.1111/dar.12630>.

Frequent Drug Use and Negative Employment Outcomes among the Criminally Active,

<https://doi.org/10.1080/10826084.2017.1388260>.

Opioid emergency, [https://doi.org/10.1016/S0262-4079\(17\)32136-X](https://doi.org/10.1016/S0262-4079(17)32136-X).

Opioid Misuse Trends in Treatment Seeking Populations: Revised Prescription Opioid Policy and Temporally Corresponding Changes, <https://doi.org/10.1080/10826084.2017.1316291>.

President's opioid commission releases 56-item report, <https://dx.doi.org/10.1002/adaw.31767>.

Similarities and differences in victimization risk factors for nonoffending and offending substance users, <https://doi.org/10.1080/15564886.2017.1383332>.

The Curious (Dis)Connection between the Opioid Epidemic and Crime, <https://doi.org/10.1080/10826084.2017.1376685>.

The opioid crisis in the USA: a public health emergency, [https://doi.org/10.1016/S0140-6736\(17\)32808-8](https://doi.org/10.1016/S0140-6736(17)32808-8).

Trends in opioid analgesic abuse and mortality in Europe in 2017, <https://doi.org/10.1016/j.toxlet.2017.07.104>.

Trump administration begins to confront the opioid crisis, [https://doi.org/10.1016/S0140-6736\(17\)32859-3](https://doi.org/10.1016/S0140-6736(17)32859-3).

Forensic Toxicology

A novel fast method for aqueous derivatization of THC, OH-THC and THC-COOH in human whole blood and urine samples for routine forensic analyses, <https://doi.org/10.1002/bmc.4136>.

Alterations of the hematologic cells in synthetic cannabinoid users, <https://doi.org/10.1002/jcla.22131>.

An interrupted time series analysis of the differential impact of New Jersey's BAC legislation on driver and passenger crash fatalities, <https://doi.org/10.1080/0735648X.2016.1158660>.

Benzodiazepines and Z-Drugs: An Updated Review of Major Adverse Outcomes Reported on in Epidemiologic Research, <https://doi.org/10.1007/s40268-017-0207-7>.

Death by heroin intoxication in a body pusher with an innovative packaging technique: case report and review of the literature, <https://doi.org/10.1016/j.forsciint.2017.08.030>.

Determination of cross-reactivity of poly- and monoclonal antibodies for synthetic cannabinoids by direct SPR and ELISA, <https://doi.org/10.1016/j.forsciint.2017.09.011>.

Drug-drug interactions as a result of co-administering Δ^9 -THC and CBD with other psychotropic agents, <https://doi.org/10.1080/14740338.2017.1397128>.

Ethanol levels in legally autopsied subjects: Analytical approach and epidemiological relevance in a prospective study in the touristic region of the Canary Islands (Spain), <https://doi.org/10.1016/j.jflm.2017.08.015>.

Evaluation of Methadone Treatment in Malaysia: Findings from the Malaysian Methadone Treatment Outcome Study (MyTOS), <https://doi.org/10.1080/10826084.2017.1385630>.

Fatal poisonings involving propoxyphene before and after voluntary withdrawal from the United States' market: An analysis from the state of Florida, <https://doi.org/10.1016/j.forsciint.2017.10.008>.

Five years after deadly poisoning: How methanol changed lives of 50 people. Lessons from the Czech mass poisoning outbreak in 2012, <https://doi.org/10.1016/j.toxlet.2017.07.884>.

Four experimental stimulants found in sports and weight loss supplements: 2-amino-6-methylheptane (octodrine), 1,4-dimethylamylamine (1,4-DMAA), 1,3-dimethylamylamine (1,3-DMAA) and 1,3-dimethylbutylamine (1,3-DMBA), <https://doi.org/10.1080/15563650.2017.1398328>.

High risk of misinterpreting hair analysis results for children tested for methadone, <https://doi.org/10.1016/j.forsciint.2017.10.013>.

Isotope-dilution liquid chromatography-tandem mass spectrometry for sensitive quantification of human insulin in serum using derivatization-technique, <https://doi.org/10.1016/j.ab.2017.08.019>.

Magnetic dispersive solid-phase extraction based on modified magnetic nanoparticles for the detection of cocaine and cocaine metabolites in human urine by high-performance liquid chromatography–mass spectrometry, <https://doi.org/10.1002/jssc.201700457>.

Metabolic profile of oxazepam and related benzodiazepines: clinical and forensic aspects, <https://doi.org/10.1080/03602532.2017.1377223>.

Mortality risk in a sample of emergency department patients who use cocaine with alcohol and/or cannabis, <https://doi.org/10.1080/08897077.2017.1389799>.

New opioids to limit toxicity: Where are we going?, <https://doi.org/10.1016/j.toxlet.2017.07.107>.

New, previously unreported correlations between latent *Toxoplasma gondii* infection and excessive ethanol consumption, <https://doi.org/10.1016/j.forsciint.2017.09.009>.

Opioid overdose: Mechanisms of toxicity and variability of presentation, <https://doi.org/10.1016/j.toxlet.2017.07.105>.

Single cocaine exposure does not alter striatal pre-synaptic dopamine function in mice: an [18F]-FDOPA PET study, <https://doi.org/10.1111/jnc.14223>.

Sodium fluoroacetate toxicity: a case report of malicious poisoning in dogs across a Phoenix, Arizona neighborhood, <https://doi.org/10.1007/s12024-017-9923-0>.

Synthesis of a novel polymeric magnetic solid phase extraction adsorbent for selective extraction of amphetamine from urine samples coupled with high performance liquid chromatography, <https://doi.org/10.1002/dta.2339>.

The Effect of Alcohol-Based Hand Sanitizer Vapors on Evidential Breath Alcohol Test Results, <https://doi.org/10.1111/1556-4029.13691>.

The Pharmacokinetics of Morphine and Codeine in Human Plasma and Urine after Oral Administration of Qiangli Pipa Syrup, <https://doi.org/10.1111/1556-4029.13696>.

Toxicological findings in suspected drug-impaired drivers in Norway — Trends during 1990–2015, <https://doi.org/10.1016/j.forsciint.2017.09.010>.

Trends in opioid analgesic abuse and mortality in Europe in 2017, <https://doi.org/10.1016/j.toxlet.2017.07.104>.

Use of Xylazine in Drug-Facilitated Crimes, <https://doi.org/10.1111/1556-4029.13684>.

Volatile lipophilic substances management in case of fatal sniffing, <https://doi.org/10.1016/j.iflm.2017.08.005>.

Racing Chemistry

Development and validation of an ultrahigh performance liquid chromatography-high resolution tandem mass spectrometry quantification method for hypoglycin A and methylene cyclopropyl acetic acid carnitine in horse serum in cases of atypical myopathy, <https://dx.doi.org/10.1002/dta.2337>.

Sports Doping

Annual banned-substance review: Analytical approaches in human sports drug testing, <https://dx.doi.org/10.1002/dta.2336>.

Detection of Sotatercept (ACE-011) in human serum by SAR-PAGE and western single blotting, <https://dx.doi.org/10.1002/dta.2346>.

Effect of non-prohibited drugs on the phase II metabolic profile of morphine. An in vitro investigation for doping control purposes, <https://dx.doi.org/10.1002/dta.2344>.

Elimination profile of triamcinolone in urine following oral administration, <https://dx.doi.org/10.1002/dta.2343>.

Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part I: Transdermal administration, <https://dx.doi.org/10.1002/dta.2338>.

Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part II: Intramuscular administration, <https://dx.doi.org/10.1002/dta.2342>.

Gas chromatography tandem mass spectrometry offers advantages for urinary steroids analysis, <https://doi.org/10.1016/j.ab.2017.09.002>.

Sensitivity of doping biomarkers after administration of a single dose testosterone gel, <https://dx.doi.org/10.1002/dta.2341>.

True Dopers or Negligent Athletes? An Analysis of Anti-Doping Rule Violations Reported to the World Anti-Doping Agency 2010–2012, <https://doi.org/10.1080/10826084.2017.1322105>.

Urine reference intervals for human chorionic gonadotropin (hCG) isoforms by immunoextraction–tandem mass spectrometry to detect hCG use, <https://dx.doi.org/10.1002/dta.2333>.

What's the attraction? The role of performance enhancement as a driver of recreational drug use, <https://doi.org/10.1080/14659891.2017.1394381>.

Trace/Physical Evidence

A miniaturized fiber-optic fluorescence analyzer for detection of Picric-acid explosive from commercial and environmental samples, <https://doi.org/10.1016/j.snb.2017.08.175>.

An analytical method to identify traces of white phosphorus on burned victim clothes, <https://doi.org/10.1016/j.forsciint.2017.10.017>.

Biodegradation of representative ignitable liquid components on soil, <https://doi.org/10.1016/j.forc.2017.09.003>.

- Comparative analysis of condom lubricants on pre & post-coital vaginal swabs using AccuTOF-DART, <https://doi.org/10.1016/j.forsciint.2017.09.005>.
- Development of a microextraction by packed sorbent with GC–MS method for the quantification of nitroexplosives in aqueous and fluidic biological samples, <https://dx.doi.org/10.1002/jssc.201700470>.
- Differentiation of red lipsticks using the attenuated total reflection technique supported by two chemometric methods, <https://doi.org/10.1016/j.forsciint.2017.09.019>.
- Differentiation of hair using ATR FT-IR spectroscopy: A statistical classification of dyed and non-dyed hairs, <https://doi.org/10.1016/j.forc.2017.08.001>.
- Exploring the analysis and differentiation of plastic explosives by comprehensive multidimensional gas chromatography-mass spectrometry (GC × GC–MS) with a statistical approach, <https://doi.org/10.1016/j.forc.2017.08.003>.
- Forensic utility of a nitrogen and oxygen isotope ratio time series of ammonium nitrate and its isolated ions, <https://doi.org/10.1016/j.talanta.2017.08.105>.
- Investigation of the use of luminescent markers as gunshot residue indicators, <https://doi.org/10.1016/j.forsciint.2017.09.013>.
- Method validation parameters for drugs and explosives in ambient pressure ion mobility spectrometry, <https://doi.org/10.1007/s12127-017-0221-z>.
- Microscale differential ion mobility spectrometry for field deployable chemical analysis, <https://doi.org/10.1016/j.trac.2017.10.011>.
- Nanoparticles in explosives detection – the state-of-the-art and future directions, <https://doi.org/10.1007/s12024-017-9903-4>.
- Nitrato Functionalized Polymers for High Energy Propellants and Explosives: Recent Advances, <https://dx.doi.org/10.1002/pat.4039>.
- Propellant's differentiation using FTIR-photoacoustic detection for forensic studies of improvised explosive devices, <https://doi.org/10.1016/j.forsciint.2017.09.018>.
- Recent developments in the electrochemical detection of explosives: Towards field-deployable devices for forensic science, <https://doi.org/10.1016/j.trac.2017.10.007>.
- The detection of residual gasoline for forensic soil investigation in arson, <https://doi.org/10.1080/00450618.2016.1225817>.
- The influence of different skin types on GSR sampling by tape lifting for SEM analysis, <https://dx.doi.org/10.1002/jemt.22942>.

Forensic Mineralogy (incl. Soil Analysis)

- $^2\text{H}/^1\text{H}$ measurements of amphiboles and nominally anhydrous minerals (clinopyroxene, garnet and diamond) using high-temperature continuous flow elemental analyser/pyrolysis/isotope ratio mass spectrometry, <https://dx.doi.org/10.1002/rcm.7996>.
- Practical soil analysis by laser induced breakdown spectroscopy employing subtarget supported micro mesh as a powder sample holder, <https://doi.org/10.1016/j.sab.2017.09.013>.
- Standoff spatial heterodyne Raman spectrometer for mineralogical analysis, <https://dx.doi.org/10.1002/jrs.5121>.

Document Examination

Electron beam for preservation of biodeteriorated cultural heritage paper-based objects,
<https://doi.org/10.1016/j.radphyschem.2017.07.008>.

Measuring the Frequency Occurrence of Handwritten Numeral Characteristics,
<https://dx.doi.org/10.1111/1556-4029.13678>.

Obliterated-writing decipherment using an infrared hyperspectral imaging system,
<https://doi.org/10.1016/j.forc.2017.10.003>.

Forensic Biology

A preliminary evaluation study of new generation multiplex STR kits comprising of the CODIS core loci and the European Standard Set loci, <https://doi.org/10.1016/j.jflm.2017.07.017>.

Design, optimisation and preliminary validation of a human specific loop-mediated amplification assay for the rapid detection of human DNA at forensic crime scenes, <https://doi.org/10.1016/j.scijus.2017.08.001>.

Effects of microbial DNA on human DNA profiles generated using the PowerPlex® 16 HS system,
<https://doi.org/10.1016/j.jflm.2017.09.010>.

Evaluation of forensic genetic efficiency parameters of 22 autosomal STR markers (PowerPlex® Fusion system) in a population sample of Arab descent from Jordan, <https://doi.org/10.1080/00450618.2016.1212401>.

Forensic DNA typing from teeth using demineralized root tips, <https://doi.org/10.1016/j.forsciint.2017.10.003>.

Genetic anomaly and clinical history and its implication in paternity analysis,
<https://doi.org/10.1080/00450618.2016.1194475>.

Large Variation in the Ratio of Mitochondrial to Nuclear Mutation Rate across Animals: Implications for Genetic Diversity and the Use of Mitochondrial DNA as a Molecular Marker,
<https://doi.org/10.1093/molbev/msx197>.

Polymorphism of 15 short tandem repeat loci in Hui population of Ningxia Tongxin district,
<https://doi.org/10.1016/j.jflm.2017.08.014>.

Practical evaluation of an RNA-based saliva identification method, <https://doi.org/10.1016/j.scijus.2017.07.001>.

Crime Scene

Crime Scene Familiarity: Does it Influence Mock Jurors' Decisions?,
<https://doi.org/10.1080/13218719.2017.1315762>.

Design, optimisation and preliminary validation of a human specific loop-mediated amplification assay for the rapid detection of human DNA at forensic crime scenes, <https://doi.org/10.1016/j.scijus.2017.08.001>.

Eye tracking to evaluate evidence recognition in crime scene investigations,
<https://doi.org/10.1016/j.forsciint.2017.08.012>.

Rapid identification information and its influence on the perceived clues at a crime scene: An experimental study, <https://doi.org/10.1016/j.scijus.2017.05.009>.

Visibilities, invisibilities and twilight zones at the crime scene in Portugal,
<https://doi.org/10.1080/14636778.2017.1394835>.

Impression Evidence

Fingerprints

Contactless Visualization of Latent Fingerprints on Nonporous Curved Surfaces of Circular Cross Section—A Statistical Evaluation on the Materials as Plane Mirror, <https://dx.doi.org/10.1111/1556-4029.13702>.

Development of fingermarks on Latex gloves: The solution to a challenging surface,
<https://doi.org/10.1016/j.forsciint.2017.09.015>.

Digital dermatoglyphic study in three west Algerian populations: Reguibates, Zenata, Oran,
<https://doi.org/10.1080/00085030.2017.1379267>.

Enhanced Visualization of Latent Fingermarks on Rough Aluminum Surfaces Using Sequential Au and Zn/ZnS/ZnO Depositions, <https://dx.doi.org/10.1111/1556-4029.13686>.

Large-scale controlled bio-inspired fabrication of 3D CeO₂:Eu³⁺ hierarchical structures for evaluation of highly sensitive visualization of latent fingerprints, <https://doi.org/10.1016/j.snb.2017.09.138>.

The 2015 ENFSI Fingerprint Working Group testing programme, <https://doi.org/10.1016/j.forsciint.2017.09.002>.

Footwear and Footprint Evidence

A metric study of insole foot impressions in footwear of identical twins,
<https://doi.org/10.1016/j.jflm.2017.09.005>.

Ballistics

A convergence algorithm for correlation of breech face images based on the congruent matching cells (CMC) method, <https://doi.org/10.1016/j.forsciint.2017.08.033>.

An evaluation of the discriminating power of an Integrated Ballistics Identification System® Heritage™ system with the NIST standard cartridge case (Standard Reference Material 2461),
<https://doi.org/10.1016/j.forsciint.2017.09.004>.

Organizational and environmental determinants of ballistics imaging productivity in United States crime laboratories, <https://doi.org/10.1080/0735648X.2017.1399811>.

Fire and Explosion Investigation

Experimental and numerical studies on impact behaviors of recycled aggregate concrete-filled steel tube after exposure to elevated temperature, <https://doi.org/10.1016/j.matdes.2017.09.057>.

Flame Spread on Inclined Wood Surfaces: Influence of External Heat Flux and Ambient Oxygen Concentration, <https://doi.org/10.1080/00102202.2017.1376665>.

Modeling elevated-temperature mechanical behavior of high and ultra-high strength steels in structural fire design, <https://doi.org/10.1016/j.matdes.2017.09.041>.

Forensic Engineering

Analysis of the crash of a transport aircraft and assessment of fuzzy-logic stall recovery, <https://doi.org/10.1016/j.ast.2017.09.028>.

Damage tolerance of carbon-carbon composites in aerospace application, <https://doi.org/10.1016/j.carbon.2017.10.019>.

Metallurgical analysis of the collapse of a telecommunication tower: Service life versus capital costs tradeoffs, <https://doi.org/10.1016/j.engfailanal.2017.09.018>.

On the utilisation of nonlinear plasticity models in military aircraft fatigue estimation: A preliminary comparison, <https://doi.org/10.1016/j.ast.2017.09.004>.

Robustness analysis of steel structures with various lateral load resisting systems under the seismic progressive collapse, <https://doi.org/10.1016/j.engfailanal.2017.10.003>.

Digital Forensics and Cybercrime

An improved anti-forensics JPEG compression using Least Cuckoo Search algorithm, <https://doi.org/10.1080/13682199.2017.1389832>.

Can we continue to effectively police digital crime?, <https://doi.org/10.1016/j.scijus.2017.06.001>.

Civil society and online connectivity: controlling corruption on the net?, <https://doi.org/10.1007/s10611-017-9696-0>.

Discerning Novel Value Chains in Financial Malware, <https://doi.org/10.1007/s10610-017-9336-3>.

Forensic analysis and security assessment of Android m-banking apps, <https://doi.org/10.1080/00450618.2016.1182589>.

Security analysis of a publicly verifiable data possession scheme for remote storage, <https://doi.org/10.1007/s11227-017-2061-3>.

Tucker visual search-based hybrid tracking model and Fractional Kohonen Self-Organizing Map for anomaly localization and detection in surveillance videos, <https://doi.org/10.1080/13682199.2017.1396405>.

Forensic Entomology

Adult fly age estimations using cuticular hydrocarbons and Artificial Neural Networks in forensically important Calliphoridae species, <https://doi.org/10.1016/j.forsciint.2017.10.001>.

Insect succession on pig carcasses using different exposure time - A preliminary study in Guangzhou, China, <https://doi.org/10.1016/j.jflm.2017.08.002>.

Location of Artifacts Deposited by the Blow Fly *Lucilia cuprina* After Feeding on Human Blood at Simulated Indoor Crime Scenes, <https://dx.doi.org/10.1111/1556-4029.13693>.

New records of forensic entomofauna in legally buried and exhumed human infants remains in Buenos Aires, Argentina, <https://doi.org/10.1016/j.jflm.2017.09.012>.

Quantifying pteridines in the heads of blow flies (Diptera: Calliphoridae): Application for forensic entomology, <https://doi.org/10.1016/j.forsciint.2017.09.006>.

Environmental Forensics (incl. Wildlife)

AETC: Segmentation and classification of the oil spills from SAR imagery, <https://doi.org/10.1080/15275922.2017.1368044>.

Determining groundwater MTBE sources using reverse particle tracking: Two case studies, <https://doi.org/10.1080/15275922.2017.1368043>.

Distribution and potential ecological risk of heavy metals accumulated in subsidence lakes formed in the Huainan Coalfield, China, <https://doi.org/10.1080/15275922.2017.1368040>.

Getting more for less: can forensic tools for Australian wildlife enforcement support international compliance efforts?, <https://doi.org/10.1080/00450618.2017.1384060>.

Impact of pit latrines on drinking water contaminations in Khyber Pakhtunkhwa, Pakistan, <https://doi.org/10.1080/15275922.2017.1368042>.

Modeling the formation of 2,3,7,8-tetrachlorodibenzo-p-dioxin in the historical manufacture of 2,4,5-trichlorophenol, <https://doi.org/10.1080/15275922.2017.1368047>.

Radioactivity level of dug well water across selected cities in two states of Nigeria, <https://doi.org/10.1080/15275922.2017.1368041>.

Reassessment of dibenzothiophene as marker for petroleum and coal contamination in sediments from Imo River, SE Nigeria, <https://doi.org/10.1080/15275922.2017.1368045>.

Trace element analysis and associated risk assessment in mining area soils from Zhexi river plain, Zhejiang, China, <https://doi.org/10.1080/15275922.2017.1368046>.

Forensic Pathology

- A case of fatal perimyocarditis due to a rare disease, <https://doi.org/10.1007/s12024-017-9920-3>.
- A case of intrauterine lethal fetal injury after attempted suicide of the mother, <https://doi.org/10.1016/j.forsciint.2017.10.016>.
- A case of sudden death due to spontaneous right subclavian artery dissection, <https://doi.org/10.1007/s12024-017-9931-0>.
- A rebus to say goodbye: a suicide note on a bedsheet, <https://doi.org/10.1007/s12024-017-9895-0>.
- A review of the optimisation of the use of formalin fixed paraffin embedded tissue for molecular analysis in a forensic post-mortem setting, <https://doi.org/10.1016/j.forsciint.2017.09.020>.
- A tree branch instead of a ligature: an unusual accidental hanging, <https://doi.org/10.1007/s12024-017-9902-5>.
- Acquired body marks: A mode of identification in Forensics, <https://doi.org/10.1016/j.jflm.2017.08.012>.
- An Unusual Cause of Headache and Sudden Death of a Young Sailor—Postmortem Computed Tomography and Histological Findings of a Fatal Retroperitoneal Malignant Mixed Germ Cell Tumor, <https://dx.doi.org/10.1111/1556-4029.13703>.
- Automatic detection of hemorrhagic pericardial effusion on PMCT using deep learning - a feasibility study, <https://doi.org/10.1007/s12024-017-9906-1>.
- Autopsies in the elderly: Erzurum study, <https://doi.org/10.1016/j.jflm.2017.09.002>.
- Bioelectrical Impedance as a Technique for Estimating Postmortem Interval, <https://dx.doi.org/10.1111/1556-4029.13695>.
- Biventricular noncompaction cardiomyopathy with malignant arrhythmia as a cause of sudden death, <https://doi.org/10.1007/s12024-017-9889-y>.
- Cardiac injuries caused by trauma: Review and case reports, <https://doi.org/10.1016/j.jflm.2017.08.013>.
- Certifying Death in the United States, <https://dx.doi.org/10.1111/1556-4029.13689>.
- Characteristics of Mexican children and adolescents who died by suicide: A study of psychological autopsies, <https://doi.org/10.1016/j.jflm.2017.10.002>.
- Child Fatalities in Dammam: A Call for Child Fatality Reviews in Arab Countries, <https://dx.doi.org/10.1111/1556-4029.13685>.
- Commentary on a case of body pushing and radiation exposure in screening of body packing, <https://doi.org/10.1007/s12024-017-9872-7>.
- Comparative radiologic identification with standardized single CT images of the paranasal sinuses—Evaluation of inter-rater reliability, <https://doi.org/10.1016/j.forsciint.2017.08.029>.
- Correcting the Count: Improving Vital Statistics Data Regarding Deaths Related to Obesity, <https://dx.doi.org/10.1111/1556-4029.13690>.
- Death by heroin intoxication in a body pusher with an innovative packaging technique: case report and review of the literature, <https://doi.org/10.1016/j.forsciint.2017.08.030>.
- Decapitation in reality and fine art: A review, <https://doi.org/10.1016/j.forsciint.2017.09.014>.
- Differences in local and national database recordings of deaths from suicide, <https://doi.org/10.1007/s12024-017-9853-x>.
- Drowning and near drowning – definitions and terminology, <https://doi.org/10.1007/s12024-017-9890-5>.
- Elderly suicide in Eskisehir, Turkey, <https://doi.org/10.1016/j.jflm.2017.06.004>.

- Epicardial adipose tissue volume estimation by postmortem computed tomography of eviscerated hearts, <https://doi.org/10.1007/s12024-017-9930-1>.
- Ethanol levels in legally autopsied subjects: Analytical approach and epidemiological relevance in a prospective study in the touristic region of the Canary Islands (Spain), <https://doi.org/10.1016/j.jflm.2017.08.015>.
- Examples of tramline bruises in clinical forensic medicine, <https://doi.org/10.1007/s12024-017-9891-4>.
- External foam and the post-mortem period in freshwater drowning; results from a retrospective study in Amsterdam, the Netherlands, <https://doi.org/10.1016/j.jflm.2017.07.013>.
- Fatal acute retropharyngeal hemorrhage in neurofibromatosis type 1, <https://doi.org/10.1007/s12024-017-9928-8>.
- Fatal and non-fatal drowning in rivers, <https://doi.org/10.1007/s12024-017-9883-4>.
- Femur fracture biomechanics and morphology associated with torsional and bending loading conditions in an in vitro immature porcine model, <https://doi.org/10.1016/j.jflm.2017.07.021>.
- Forensic and clinical significance of serum amylase, lipase and gamma glutamyl transferase as predictors of outcome in head injured patients, <https://doi.org/10.1016/j.jflm.2017.10.005>.
- Genital piercings in the context of acute sexual assault, <https://doi.org/10.1016/j.jflm.2017.09.009>.
- Intra- and inter-rater agreement of the Genital Injury Severity Scale, <https://doi.org/10.1016/j.jflm.2017.09.011>.
- Intracardiac electrocardiographic assessment of precordial TASER shocks in human subjects: A pilot study, <https://doi.org/10.1016/j.jflm.2017.08.004>.
- Issues with suicide databases in forensic research, <https://doi.org/10.1007/s12024-017-9859-4>.
- Molecular pathology of cerebral TNF- α , IL-1 β , iNOS and Nrf2 in forensic autopsy cases with special regard to deaths due to environmental hazards and intoxication, <https://doi.org/10.1007/s12024-017-9896-z>.
- Neck injury and conjunctival petechiae in a woman who underwent cardiopulmonary resuscitation and subsequently died from meningococcal sepsis, <https://doi.org/10.1007/s12024-017-9901-6>.
- Neuropathology and brain weight in traumatic-crush asphyxia, <https://doi.org/10.1016/j.jflm.2017.08.009>.
- PMCT images of a motorcycle helmet-associated fracture, <https://doi.org/10.1007/s12024-017-9911-4>.
- Post-mortem findings in 22 fatal *Taxus baccata* intoxications and a possible solution to its detection, <https://doi.org/10.1016/j.jflm.2017.08.016>.
- Post-mortem human cadaver scavenging by marine crustaceans (Isopoda: Cirolanidae) in tropical waters, <https://doi.org/10.1007/s12024-017-9926-x>.
- Role of inducible nitric oxide synthase and interleukin-6 expression in estimation of skin burn age and vitality, <https://doi.org/10.1016/j.jflm.2017.09.001>.
- Rupture portions in the vertebral artery in traumatic basal subarachnoid hemorrhage, <https://doi.org/10.1016/j.jflm.2017.09.013>.
- Self-inflicted explosive death by intra-oral detonation of a firecracker: a case report, <https://doi.org/10.1007/s12024-017-9910-5>.
- Sudden cardiac death from aortoesophageal fistula: an autopsy case report of a rare complication of thoracic aortic aneurysm, <https://doi.org/10.1007/s12024-017-9905-2>.
- Sudden death due to malignant hyperthermia with a mutation of RYR1: autopsy, morphology and genetic analysis, <https://doi.org/10.1007/s12024-017-9925-y>.

- Sudden death in a child caused by a giant cavernous hemangioma of the anterior mediastinum, <https://doi.org/10.1016/j.jflm.2017.08.008>.
- Suicide in children and adolescents: a Tunisian perspective from 2009 to 2015, <https://doi.org/10.1007/s12024-017-9909-y>.
- Tau protein (MAPT) as a possible biochemical marker of traumatic brain injury in postmortem examination, <https://doi.org/10.1016/j.forsciint.2017.09.008>.
- Temporal Trends in Rainwater Tank Suicides in Rijeka, Croatia—A 30-year Study, <https://dx.doi.org/10.1111/1556-4029.13683>.
- Tension pneumopericardium following suicidal stab wounds to the chest, <https://doi.org/10.1007/s12024-017-9927-9>.
- The incidence and epidemiology of eldercide in the city of Johannesburg, South Africa, <https://doi.org/10.1016/j.jflm.2017.08.018>.
- Traumatic brain injury: Comparison between autopsy and ante-mortem CT, <https://doi.org/10.1016/j.jflm.2017.08.007>.
- Traumatic lower extremity and lumbosacral peripheral nerve injuries in adults: Electrodiagnostic studies and patients symptoms, <https://doi.org/10.1016/j.jflm.2017.08.010>.
- Volatile lipophilic substances management in case of fatal sniffing, <https://doi.org/10.1016/j.jflm.2017.08.005>.

Forensic Anthropology

- 2018 tallied facial soft tissue thicknesses for adults and sub-adults, <https://doi.org/10.1016/j.forsciint.2017.09.016>.
- A potential contribution to human identification using peri-mortem trauma: An example from Peru, <https://doi.org/10.1016/j.forsciint.2017.08.034>.
- A Validation Study of the Langley et al. (2017) Decision Tree Model for Sex Estimation, <https://dx.doi.org/10.1111/1556-4029.13688>.
- Age estimation using Olze's method in an adult Brazilian population, <https://doi.org/10.1016/j.jflm.2017.10.003>.
- Applying standardized decomposition stages when estimating the PMI of buried remains: reality or fiction?, <https://doi.org/10.1080/00450618.2016.1212268>.
- Blast injury prevalence in skeletal remains: Are there differences between Bosnian war samples and documented combat-related deaths?, <https://doi.org/10.1016/j.scijus.2017.05.010>.
- Body farms – characteristics and contributions, <https://doi.org/10.1007/s12024-017-9912-3>.
- Body farms, <https://doi.org/10.1007/s12024-017-9932-z>.
- Body farms, <https://doi.org/10.1007/s12024-017-9922-1>.
- Body farms, <https://doi.org/10.1007/s12024-017-9919-9>.
- Body farms, <https://doi.org/10.1007/s12024-017-9918-x>.
- Body farms, <https://doi.org/10.1007/s12024-017-9924-z>.
- Body farms, <https://doi.org/10.1007/s12024-017-9917-y>.

- Bone lesions in jaws – another potential marker of indigenous Australian remains,
<https://doi.org/10.1007/s12024-017-9898-x>.
- Consistency of selected craniometric landmark locations and the resulting variation in measurements,
<https://doi.org/10.1016/j.forsciint.2017.10.002>.
- Endocranial illuminator: A technique for transilluminating the skull,
<https://doi.org/10.1016/j.forsciint.2017.09.021>.
- Estimation and reconstruction of facial creases based on skull crease morphology,
<https://doi.org/10.1080/00450618.2016.1194471>.
- Exploring the relationship between stride, stature and hand size for forensic assessment,
<https://doi.org/10.1016/j.jflm.2017.08.006>.
- Metric approach for age assessment of children: an alternative to radiographs?,
<https://doi.org/10.1080/00450618.2016.1195876>.
- Performance of Willem's dental age estimation method in children: A systematic review and meta-analysis,
<https://doi.org/10.1016/j.forsciint.2017.08.032>.
- Prosopography, prosoporecognography and the Prosoporecognographical Chart,
<https://doi.org/10.1016/j.jflm.2017.09.004>.
- Recognition of computerized facial approximations by familiar assessors,
<https://doi.org/10.1016/j.scijus.2017.06.004>.
- Sex determination from the femur in Portuguese populations with classical and machine-learning classifiers,
<https://doi.org/10.1016/j.jflm.2017.08.011>.
- Sex determination from chest measurements in a sample of Egyptian adults using Multislice Computed Tomography, <https://doi.org/10.1016/j.jflm.2017.09.006>.
- Sex estimation from discriminant function analysis of clavicular and sternal measurements: a forensic anthropological study based on examination of two bones of Northwest Indian subjects,
<https://doi.org/10.1080/00450618.2016.1188986>.
- The auricular surface as age indicator in a modern Greek sample: A test of two qualitative methods,
<https://doi.org/10.1016/j.forsciint.2017.08.004>.

Forensic Archaeology

- A non-destructive spectroscopic study of the decoration of archaeological pottery: from matt-painted bichrome ceramic sherds (southern Italy, VIII-VII B.C.) to an intact Etruscan cinerary urn,
<https://doi.org/10.1016/j.saa.2017.10.010>.
- Analysis of the pigments for smoked mural by confocal micro-Raman spectroscopy,
<https://dx.doi.org/10.1002/jrs.5158>.
- Characterization of lacquer films from the middle and late Chinese warring states period 476–221BC,
<https://dx.doi.org/10.1002/jemt.22947>.
- Endocranial illuminator: A technique for transilluminating the skull,
<https://doi.org/10.1016/j.forsciint.2017.09.021>.

Portable laser-induced breakdown spectroscopy/diffuse reflectance hybrid spectrometer for analysis of inorganic pigments, <https://doi.org/10.1016/j.sab.2017.09.005>.

Spectroscopic analysis of XIV century wall paintings from Patriarchate of Peć Monastery, Serbia, <https://doi.org/10.1016/j.saa.2017.10.043>.

The first use of portable Raman instrumentation for the in situ study of prehistoric rock paintings in Patagonian sites, <https://dx.doi.org/10.1002/jrs.5107>.

The Studies of Archaeological Pottery with the Use of Selected Analytical Techniques, <https://doi.org/10.1080/10408347.2017.1334534>.

Forensic Odontology

Is Willems method universal for age estimation: A systematic review and meta-analysis, <https://doi.org/10.1016/j.jflm.2017.09.003>.

Performance of Willem's dental age estimation method in children: A systematic review and meta-analysis, <https://doi.org/10.1016/j.forsciint.2017.08.032>.

Spectrophotometric dental colour measurement to assess age in living adults, <https://doi.org/10.1080/00450618.2016.1212269>.

Willems method of dental age estimation in children: A systematic review and meta-analysis, <https://doi.org/10.1016/j.jflm.2017.08.017>.

Forensic Psychiatry and Psychology

A Mother's Love? Postpartum Disorders, the DSM-5 and Criminal Responsibility – A South African Medicolegal Perspective, <https://doi.org/10.1080/13218719.2017.1395820>.

Assessment of cognitive dysfunction in traumatic brain injury patients: a review, <https://doi.org/10.1080/20961790.2017.1390836>.

Clinical psychologists' perceptions of barriers and facilitators to engaging service users in index offence assessment and formulation within a medium secure unit, <https://doi.org/10.1080/14789949.2017.1347803>.

Clinician Perspectives of Inpatient Forensic Psychiatric Rehabilitation in a Low Secure Setting: A Qualitative Study, <https://doi.org/10.1080/13218719.2017.1396863>.

Comparison of outcomes of patients with personality disorder to patients with mental illness, following discharge from medium secure hospital: systematic review, <https://doi.org/10.1080/14789949.2017.1347804>.

Criminal Responsibility in Canada: Mental Disorder Stigma Education and the Insanity Defense, <https://doi.org/10.1080/14999013.2017.1391357>.

Criminally Explosive: Intermittent Explosive Disorder, Criminal Careers, and Psychopathology among Federal Correctional Clients, <https://doi.org/10.1080/14999013.2017.1365782>.

- Daily Assessment of Acute Dynamic Risk in Paroled Offenders: Prediction, Predictive Accuracy and Intervention Effect, <https://doi.org/10.1080/13218719.2017.1308219>.
- Detecting children's false allegations and recantations of a crime, <https://doi.org/10.1080/1068316X.2017.1402018>.
- Domestic and Family Violence, Mental Health and Well-Being, and Legal Engagement, <https://doi.org/10.1080/13218719.2017.1396865>.
- Establishing a joint agency response to the threat of lone-actor grievance-fuelled violence, <https://doi.org/10.1080/14789949.2017.1335762>.
- Evaluation of the use of pharmacological treatment with prisoners experiencing high levels of hypersexual disorder, <https://doi.org/10.1080/14789949.2017.1337801>.
- Help or Hindrance? The Support Person in the Psychiatric Medico-legal Examination, <https://doi.org/10.1080/13218719.2017.1351328>.
- Insane Sex Offenders: Psychiatric and Legal Characteristics of Sexual Offenders Found Not Guilty by Reason of Insanity, <https://dx.doi.org/10.1111/1556-4029.13707>.
- Mental Capacity as a Concept in Negligence: Against an Insanity Defence, <https://doi.org/10.1080/13218719.2017.1307161>.
- Mental illness in the eyes of the law: examining perceptions of stigma among judges and attorneys, <https://doi.org/10.1080/1068316X.2017.1406092>.
- Moral Disengagement and Psychopathy: A Study on Offenders in Italian Jails, <https://doi.org/10.1080/13218719.2017.1291291>.
- New Zealand Youth Fitness to Stand Trial: The Impact of Age, Immaturity and Diagnosis on Evaluator Opinions and Court Determinations, <https://doi.org/10.1080/13218719.2017.1396867>.
- Psychopharmacologic treatment of in-patients with schizophrenia: comparing forensic and general psychiatry, <https://doi.org/10.1080/14789949.2017.1332773>.
- Shared Psychotic Disorder and the Killing of a Policeman, <https://doi.org/10.1080/13218719.2017.1396884>.
- The Costs of Coercive Control: Assessing Behavioral and Mental Health Correlates of Erratic and Oppressive Coercion, <https://doi.org/10.1080/07418825.2017.1403643>.
- The mental health and substance misuse needs of male ex-armed forces personnel in prison, <https://doi.org/10.1080/14789949.2017.1352012>.
- The Psychological Effects of Road Traffic Accidents (RTAs): An Exploration of a United Kingdom Medico-Legal Examiner's Career of RTA Assessments, <https://doi.org/10.1080/13218719.2017.1396864>.
- The relationship between childhood traumatic events, social support, and mental health problems in prisoners, <https://doi.org/10.1080/14789949.2017.1337802>.
- The role of beliefs and trait aggression in prison bullying among young offenders, <http://www.tandfonline.com/doi/full/10.1080/14789949.2017.1395060>.
- The Utility of an Admission Screening Procedure for Patients Committed to a State Hospital as Incompetent to Stand Trial, <https://doi.org/10.1080/14999013.2017.1356890>.
- Threats and violence in the lead-up to psychiatric mechanical restraint – a Danish complaints audit, <https://doi.org/10.1080/14789949.2017.1342271>.
- Two Sides of the Same Coin: Psychopathy Case Studies From an Urban Police Department, <https://doi.org/10.1080/24732850.2017.1378860>.

Using the MMPI-2-RF to Characterize Defendants Evaluated for Competency to Stand Trial and Criminal Responsibility, <https://doi.org/10.1080/14999013.2017.1371259>.

Validation of neuropsychological consequences in victims of intimate partner violence in a Spanish population using specific effort tests, <https://doi.org/10.1080/14789949.2017.1339106>.

Biometrics

Accelerating mobile biometrics adoption: doing nothing is not an option, [https://doi.org/10.1016/S0969-4765\(17\)30166-2](https://doi.org/10.1016/S0969-4765(17)30166-2).

Adoption problems? How UX could boost biometrics, [https://doi.org/10.1016/S0969-4765\(17\)30167-4](https://doi.org/10.1016/S0969-4765(17)30167-4).

Chinese and Australian governments ramp up citizen biometric authentication, [https://doi.org/10.1016/S0969-4765\(17\)30146-7](https://doi.org/10.1016/S0969-4765(17)30146-7).

Facial recognition tech secures enterprise access control, [https://doi.org/10.1016/S0969-4765\(17\)30145-5](https://doi.org/10.1016/S0969-4765(17)30145-5).

Facial recognition tech sees global uptake for law enforcement, [https://doi.org/10.1016/S0969-4765\(17\)30168-6](https://doi.org/10.1016/S0969-4765(17)30168-6).

Frictionless biometrics smooth the way to 'invisible' authentication, [https://doi.org/10.1016/S0969-4765\(17\)30155-8](https://doi.org/10.1016/S0969-4765(17)30155-8).

Global consensus emerges on biometric data protection, [https://doi.org/10.1016/S0969-4765\(17\)30152-2](https://doi.org/10.1016/S0969-4765(17)30152-2).

Indian government offers Biometric Lock service as 'Aadhaar fake' gang captured, [https://doi.org/10.1016/S0969-4765\(17\)30159-5](https://doi.org/10.1016/S0969-4765(17)30159-5).

iPhone X to drive hard and soft biometrics, [https://doi.org/10.1016/S0969-4765\(17\)30154-6](https://doi.org/10.1016/S0969-4765(17)30154-6).

Mexican banking body mandates biometrics, [https://doi.org/10.1016/S0969-4765\(17\)30170-4](https://doi.org/10.1016/S0969-4765(17)30170-4).

Researchers develop heart-based biometrics for access control, [https://doi.org/10.1016/S0969-4765\(17\)30157-1](https://doi.org/10.1016/S0969-4765(17)30157-1).

Researchers work to make fingerprint biometrics resilient to spoofing, [https://doi.org/10.1016/S0969-4765\(17\)30158-3](https://doi.org/10.1016/S0969-4765(17)30158-3).

Rutgers engineers debut finger vibrations biometrics, [https://doi.org/10.1016/S0969-4765\(17\)30144-3](https://doi.org/10.1016/S0969-4765(17)30144-3).

UN Migration Agency works with Biometrics Institute on migration management, [https://doi.org/10.1016/S0969-4765\(17\)30147-9](https://doi.org/10.1016/S0969-4765(17)30147-9).

Why the mobile biometrics surge demands true liveness, [https://doi.org/10.1016/S0969-4765\(17\)30153-4](https://doi.org/10.1016/S0969-4765(17)30153-4).

Statistics

Beyond subjective and objective in statistics, <https://dx.doi.org/10.1111/rssa.12276>.

Response paper to “The likelihood of encapsulating all uncertainty”: The relevance of additional information for the LR, <https://doi.org/10.1016/j.scijus.2017.05.007>.

The meaning of justified subjectivism and its role in the reconciliation of recent disagreements over forensic probabilism, <https://doi.org/10.1016/j.scijus.2017.08.005>.

What should a forensic practitioner's likelihood ratio be?, <https://doi.org/10.1016/j.scijus.2017.08.004>.

CBRN

Chemical warfare agent simulants for human volunteer trials of emergency decontamination: A systematic review, <https://dx.doi.org/10.1002/jat.3527>.

Dermatotoxicology of sulfur mustard: Historical perspectives from World War I, <https://dx.doi.org/10.1002/jat.3524>.

DNA methylation and potential multigenerational epigenetic effects linked to uranium chronic low-dose exposure in gonads of males and females rats, <https://doi.org/10.1016/j.toxlet.2017.10.004>.

Effect of Sterilants on Amplification and Detection of Target DNA from Bacillus cereus Spores, <https://dx.doi.org/10.1111/1556-4029.13653>.

Evaluation of the Influence of Three Newly Developed Bispyridinium Anti-nicotinic Compounds (MB408, MB442, MB444) on the Efficacy of Antidotal Treatment of Nerve Agent Poisoning in Mice, <https://dx.doi.org/10.1111/bcpt.12935>.

Investigation of sarin(Se) reactivity against human plasma proteins using liquid chromatography–tandem mass spectrometry, <https://dx.doi.org/10.1002/jms.4045>.

Metal–organic frameworks as media for the catalytic degradation of chemical warfare agents, <https://doi.org/10.1016/j.ccr.2017.10.010>.

Nanomaterial-based biosensors for detection of pathogenic virus, <https://doi.org/10.1016/j.trac.2017.10.005>.

New Generation Agent Defeat Weapons: Energetic N,N'-Ethylene-Bridged Polyiodoazoles, <https://dx.doi.org/10.1002/chem.201704798>.

Optimizing Toxic Chemical Removal through Defect-Induced UiO-66-NH₂ Metal–Organic Framework, <https://dx.doi.org/10.1002/chem.201704525>.

Quantitative determination of acidic hydrolysis products of Chemical Weapons Convention related chemicals from aqueous and soil samples using ion-pair solid-phase extraction and in situ butylation, <https://dx.doi.org/10.1002/jssc.201700955>.

Radiation search operations using scene understanding with autonomous UAV and UGV, <https://dx.doi.org/10.1002/rob.21723>.

Ricin-like proteins from the castor plant do not influence liquid chromatography-mass spectrometry detection of ricin in forensically relevant samples, <https://doi.org/10.1016/j.toxicon.2017.10.004>.

Sulfur mustard exposure and mental health in survivors of Iran–Iraq war with severe lung injuries, <https://doi.org/10.1080/15569543.2017.1303779>.

Whole body exposure of rats to sulfur mustard vapor, <https://doi.org/10.1080/01480545.2017.1402917>.

Cognitive Bias

Strengthening forensic DNA decision making through a better understanding of the influence of cognitive bias, <https://doi.org/10.1016/j.scijus.2017.07.005>.

Criminology

A Level Playing Field: Conceptualizing an Empowering Research Framework for Criminologists Who Engage with Marginalized Communities, <https://doi.org/10.1007/s10612-017-9367-6>.

Age, period and cohort effects on death penalty attitudes in the United States, 1974–2014, <https://dx.doi.org/10.1111/1745-9125.12160>.

Applying a general strain theory framework to understand school weapon carrying among LGBQ and heterosexual youth, <https://dx.doi.org/10.1111/1745-9125.12151>.

Crime, fear and mental health in Mexico, <https://dx.doi.org/10.1111/1745-9125.12150>.

Dissent, Litigation, and Investigation: Hitting the Powerful Where It Hurts, <https://doi.org/10.1007/s10612-017-9370-y>.

Do cellmates matter? A causal test of the schools of crime hypothesis with implications for differential association and deterrence theories, <https://dx.doi.org/10.1111/1745-9125.12155>.

Does the gender gap in delinquency vary by level of patriarchy? A cross-national comparative analysis, <https://dx.doi.org/10.1111/1745-9125.12161>.

Ecological networks and urban crime: The structure of shared routine activity locations and neighborhood-level informal control capacity, <https://dx.doi.org/10.1111/1745-9125.12152>.

Expanding Our Understanding of Crime, <https://dx.doi.org/10.1111/1745-9133.12332>.

False Starts, Wrong Turns and Dead Ends: Reflections on Recent Developments in Criminology, <https://doi.org/10.1007/s10612-017-9372-9>.

Improving Our Conceptualization and Measurement of Crime, <https://dx.doi.org/10.1111/1745-9133.12355>.

Parenthood as a turning point in the life course for male and female gang members: A study of within-individual changes in gang membership and criminal behavior, <https://dx.doi.org/10.1111/1745-9125.12162>.

Punishing Benevolence: The Criminalization of Homeless Feeding as an Act of State Harm, <https://doi.org/10.1007/s10612-017-9366-7>.

Racial discrimination, racial socialization, and crime over time: A social schematic theory model, <https://dx.doi.org/10.1111/1745-9125.12164>.

Second Major Redesign of the National Crime Victimization Survey (NCVS), <https://dx.doi.org/10.1111/1745-9133.12335>.

State Aid and Taxation of Transnational Companies: A Study of State-Corporate Crime, <https://doi.org/10.1007/s10612-017-9375-6>.

Street network structure and crime risk: An agent-based investigation of the encounter and enclosure hypotheses, <https://dx.doi.org/10.1111/1745-9125.12163>.

The Future of Crime Data, <https://dx.doi.org/10.1111/1745-9133.12336>.

The Illusion of Resistance: Commodification and Reification of Neoliberalism and the State,
<https://doi.org/10.1007/s10612-017-9374-7>.

The Radicalization of Democracy: Conflict, Social Movements and Terrorism, <https://doi.org/10.1007/s10612-017-9373-8>.

There and Back Again: Ensuring Law Enforcement's Continued Support for Modernized Crime Data,
<https://dx.doi.org/10.1111/1745-9133.12334>.

Understanding Pathways to Crime: Can Anomie Theory Explain Higher Crime Rates Among Refugees? - Current Findings from a Swiss Survey, <https://doi.org/10.1007/s10610-017-9351-4>.

War Stories and Occupying Soldiers: A Narrative Approach to Understanding Police Culture and Community Conflict, <https://doi.org/10.1007/s10612-017-9369-4>.

Law

A Postconviction Mentality: Prosecutorial Assistance in Exoneration Cases,
<https://doi.org/10.1080/07418825.2017.1399212>.

Accessibility of prison healthcare for elderly inmates, a qualitative assessment,
<https://doi.org/10.1016/j.jflm.2017.10.001>.

Crime Scene Familiarity: Does it Influence Mock Jurors' Decisions?,
<https://doi.org/10.1080/13218719.2017.1315762>.

Criminalising Unknowing Defence, <https://dx.doi.org/10.1111/japp.12171>.

Detecting children's false allegations and recantations of a crime,
<https://doi.org/10.1080/1068316X.2017.1402018>.

Effects of judicial instructions and juror characteristics on interpretations of beyond reasonable doubt,
<https://doi.org/10.1080/1068316X.2017.1394461>.

Fitness to Stand Trial and Disability Discrimination: An International Critique of Australia,
<https://doi.org/10.1080/13218719.2017.1379105>.

Mental illness in the eyes of the law: examining perceptions of stigma among judges and attorneys,
<https://doi.org/10.1080/1068316X.2017.1406092>.

Methodology matters: comparing sample types and data collection methods in a juror decision-making study on the influence of defendant race, <https://doi.org/10.1080/1068316X.2017.1409895>.

Overseeing Criminal Justice: The Supervisory Role of the Public Prosecution Service in China,
<https://dx.doi.org/10.1111/jols.12060>.

Rethinking the Wrongness Constraint on Criminalisation, <https://doi.org/10.1007/s10982-017-9299-z>.

Stereotypical Hate Crimes and Criminal Justice Processing: A Multi-Dataset Comparison of Bias Crime Arrest Patterns by Offender and Victim Race, <https://doi.org/10.1080/07418825.2017.1399211>.

The construction of allegedly abused children's narratives in Scottish criminal courts,
<https://doi.org/10.1080/1068316X.2017.1399395>.

The Effect of Visiting Judges on the Treatment of Legal Policy in the U.S. Courts of Appeals,
<https://doi.org/10.1080/0098261X.2017.1356772>.

The Effects of Changes to Legal Aid on Lawyers' Professional Identity and Behaviour in Summary Criminal Cases: A Case Study, <https://dx.doi.org/10.1111/jols.12058>.

Victim age and capital sentencing outcomes in North Carolina (1977–2009),
<http://www.tandfonline.com/doi/full/10.1080/1478601X.2017.1404464>.

Who Cares What You Think? Criminal Culpability and the Irrelevance of Unmanifested Mental States,
<https://doi.org/10.1007/s10982-017-9301-9>.

Who punishes whom? Bifurcation of private and public responsibilities in criminal punishment,
<https://doi.org/10.1080/0735648X.2016.1174619>.

Policing

A Research Note on Community Policing: The Missing (Democratic) Link in Local Governance in Hong Kong,
<https://doi.org/10.1093/police/paw045>.

A typological approach to studying policing,
<http://www.tandfonline.com/doi/full/10.1080/10439463.2017.1394299>.

Can community policing increase residents' informal social control? Testing the impact of the Chicago Alternative Policing Strategy, <https://doi.org/10.1080/15614263.2017.1405265>.

Confidence in the police by race: taking stock and charting new directions,
<https://doi.org/10.1080/15614263.2017.1396460>.

Let's Dance: Variations of Partnerships in Community Policing, <https://doi.org/10.1093/police/paw053>.

Making sense of evidence: using research training to promote organisational change,
<https://doi.org/10.1080/15614263.2017.1405266>.

Police Officer-Civilian Confrontations Caught on Camera: the Influence of Contextual Frames on Judgements of Excessive Force, <https://doi.org/10.1007/s12103-017-9387-5>.

Police Perceptions of Body-Worn Cameras, <https://doi.org/10.1007/s12103-017-9415-5>.

Policing the culture of silence: strategies to increase the reporting of sexual abuse in British South Asian communities, <https://doi.org/10.1080/10439463.2017.1405958>.

Rigmarole and Red Tape: Background to a Common Police Officers' Complaint,
<https://doi.org/10.1093/police/paw054>.

Staff and offender perspectives of Integrated Offender Management and the impact of its introduction on arrests and risk of reoffending in one police force region, <https://doi.org/10.1080/10439463.2017.1410148>.

The Path to Enlightenment: Limiting Costs and Maximizing Returns from Intelligence-Led Policy and Practice in Public Policing, <https://doi.org/10.1093/police/paw050>.

The thin blue line meets the big blue sky: perceptions of police legitimacy and public attitudes towards aerial drones, <http://www.tandfonline.com/doi/full/10.1080/1478601X.2017.1404463>.

Terrorism

Counterterrorism, Counterframing, and Perceptions of Terrorist (Ir)rationality,
<https://doi.org/10.1093/jogss/ogx017>.

Mock terrorists' decisions concerning use of the internet for target selection: a red-team approach,
<https://doi.org/10.1080/1068316X.2017.1396332>.

NGO interventions: influences on terrorist activity, <https://doi.org/10.1080/19434472.2016.1216461>.

Radicalization patterns and modes of attack planning and preparation among lone-actor terrorists: an exploratory analysis, <https://doi.org/10.1080/19434472.2017.1407814>.

Searching for signs of extremism on the web: an introduction to Sentiment-based Identification of Radical Authors, <https://doi.org/10.1080/19434472.2016.1276612>.

The electoral impact of the attacks of March 11th in Madrid: explanatory mechanisms,
<https://doi.org/10.1080/19434472.2017.1300831>.

Policy, Management and Education

Conceptualising forensic science and forensic reconstruction. Part I: A conceptual model,
<https://doi.org/10.1016/j.scijus.2017.06.002>.

Conceptualising forensic science and forensic reconstruction. Part II: The critical interaction between research, policy/law and practice, <https://doi.org/10.1016/j.scijus.2017.06.003>.

Getting to the core of medicine: Developing undergraduate forensic medicine and pathology teaching,
<https://doi.org/10.1016/j.jflm.2017.10.006>.

Portuguese Anti-money Laundering Policy: a Game Theory Approach, <https://doi.org/10.1007/s10610-017-9347-0>.

Probation Simulation: A High-Impact Practice, <https://doi.org/10.1080/10511253.2017.1397181>.

Student's perception about innovative teaching learning practices in Forensic Medicine,
<https://doi.org/10.1016/j.jflm.2017.09.007>.

"There's More Than One Right Path to The Destination": Does Degree Type Make a Difference in Police Recruiting?, <https://doi.org/10.1080/10511253.2017.1398829>.

Understanding Pathways to Crime: Can Anomie Theory Explain Higher Crime Rates Among Refugees? - Current Findings from a Swiss Survey, <https://doi.org/10.1007/s10610-017-9351-4>.

Other

2015 Situation report on counterfeiting in the European union, <https://doi.org/10.1007/s12117-017-9307-6>.

A psychosocial approach in humanitarian forensic action: The Latin American perspective,
<https://doi.org/10.1016/j.forsciint.2017.08.027>.

A script analysis of the distribution of counterfeit alcohol across two European jurisdictions,
<https://doi.org/10.1007/s12117-017-9305-8>.

- AI binges on TV crime shows to spot whodunnit, [https://doi.org/10.1016/S0262-4079\(17\)32193-0](https://doi.org/10.1016/S0262-4079(17)32193-0).
- An empirical examination of product counterfeiting crime impacting the U.S. military, <https://doi.org/10.1007/s12117-017-9306-7>.
- Analysis of molecular isotopic structures at high precision and accuracy by Orbitrap mass spectrometry, <https://doi.org/10.1016/j.ijms.2017.10.002>.
- Assessing the developing knowledge-base of product counterfeiting: a content analysis of four decades of research, <https://doi.org/10.1007/s12117-016-9300-5>.
- Child protection and the development of child abuse pediatrics in New York City, <https://doi.org/10.1016/j.jflm.2017.09.008>.
- Comparison of electrospray LC–MS, LC–MS with Cold EI and GC–MS with Cold EI for sample identification, <https://doi.org/10.1016/j.ijms.2017.09.006>.
- Evidence, corruption, and reform: the importance of context-sensitivity, <https://doi.org/10.1007/s10611-017-9697-z>.
- Fluorescein applications as fluorescent probes for the detection of analytes, <https://doi.org/10.1016/j.trac.2017.08.013>.
- In pursuit of food system integrity: the situational prevention of food fraud enterprise, <https://doi.org/10.1007/s10610-017-9352-3>.
- Illicit pharmaceutical networks in Europe: organising the illicit medicine market in the United Kingdom and the Netherlands, <https://doi.org/10.1007/s12117-017-9304-9>.
- Look what the hurricanes just blew in: analyzing the impact of the storm on criminal activities, <https://doi.org/10.1080/0735648X.2016.1168749>.
- Measuring Journal Prestige in Criminal Justice and Criminology, <https://doi.org/10.1080/10511253.2017.1398344>.
- Murder in the shadows: evidence for an institutional legitimacy theory of crime, <https://doi.org/10.1080/01924036.2017.1397037>.
- ‘No banquet can do without liquor’: alcohol counterfeiting in the People’s Republic of China, <https://doi.org/10.1007/s12117-016-9296-x>.
- Non-targeted volatile profiles for the classification of the botanical origin of Chinese honey by solid-phase microextraction and gas chromatography–mass spectrometry combined with chemometrics, <https://dx.doi.org/10.1002/jssc.201700733>.
- QSPR in forensic analysis – The prediction of retention time of pesticide residues based on the Monte Carlo method, <https://doi.org/10.1016/j.talanta.2017.09.064>.
- Recent publications on organized crime, <https://doi.org/10.1007/s12117-017-9324-5>.
- Spatial analysis of violent crimes in Metro Manila, Philippines, <https://doi.org/10.1080/01924036.2017.1398669>.
- The Market for Human Smuggling into Europe: A Macro Perspective, <https://doi.org/10.1093/police/paw058>.
- The New Panopticon? Examining the Effect of Home Confinement on Criminal Recidivism, <https://doi.org/10.1080/15564886.2017.1392387>.
- Trade in counterfeit and pirated goods: Mapping the economic impact, <https://doi.org/10.1007/s12117-017-9308-5>.

Transparency to curb corruption? Concepts, measures and empirical merit, <https://doi.org/10.1007/s10611-017-9695-1>.

Vulnerability and revictimization: Victim characteristics in a Dutch assault center, <https://doi.org/10.1016/j.jflm.2017.08.003>.

When do anticorruption laws matter? The evidence on public integrity enabling contexts, <https://doi.org/10.1007/s10611-017-9693-3>.

Book Reviews

A place for good and evil? The Fear Factor: How one emotion connects altruists, psychopaths, and everyone in-between by Abigail Marsh, Basic Books, [https://doi.org/10.1016/S0262-4079\(17\)32267-4](https://doi.org/10.1016/S0262-4079(17)32267-4).

Biology, Computing, and the History of Molecular Sequencing: From Proteins to DNA, 1945–2000, <https://doi.org/10.1080/14636778.2016.1197110>.

Countering terrorism, <https://doi.org/10.1080/19434472.2017.1397727>.

Deaths after police contact: constructing accountability in the 21st century, <https://doi.org/10.1080/10439463.2018.1406443>.

Forensic archaeology: a global perspective, <https://doi.org/10.1080/00450618.2016.1212271>.

Forensic plant science, <https://doi.org/10.1080/00450618.2016.1185247>.

Governance of Security and Ignored Insecurities in Contemporary Europe, <https://doi.org/10.1080/10439463.2018.1406444>.

Governing the police: experience in six democracies, <https://doi.org/10.1080/10439463.2018.1405802>.

Hard Bargains: The Coercive Power of Drug Laws in Federal Court. By Mona Lynch. New York: Russell Sage Foundation, 2016, <https://dx.doi.org/10.1111/lasr.12300>.

Illness or Deviance: Drug Courts, Drug Treatment and the Ambiguity of Addiction, <https://doi.org/10.1080/09687637.2016.1248053>.

Intelligence led policing, <https://doi.org/10.1080/10439463.2018.1405827>.

Merry and McCall Smith's Errors, Medicine and the Law (2nd ed.), by Alan Merry and Warren Brookbanks, <https://doi.org/10.1080/13218719.2017.1388141>.

Policing immigrants: local Law enforcement on the front lines, <https://doi.org/10.1080/10439463.2018.1405783>.

Right-wing terrorism in the 21st century: the 'national socialist underground' and the history of terror from the far-right in Germany, <https://doi.org/10.1080/19434472.2017.1372505>.

Owen, Barbara, Wells, James and Pollock, Joycelyn: In Search of Safety: Confronting Inequality in Women's Imprisonment, <https://doi.org/10.1007/s10612-017-9371-x>.

The politics of drugs: perceptions, power and policies, <https://doi.org/10.1080/09687637.2017.1401696>.

The Social Value of Drug Addicts: Uses of the Useless, <https://doi.org/10.1080/09687637.2016.1248051>.

The Truth About Crime: Sovereignty, Knowledge, Social Order. By Jean Comaroff and John L. Comaroff. Chicago: University of Chicago Press, 2016, <https://dx.doi.org/10.1111/lasr.12301>.

Western foreign fighters: the threat to homeland and international security, <https://doi.org/10.1080/19434472.2017.1300181>.