

شماره ۲ - آبان ماه ۱۳۹۷



معاونت آموزشی و پژوهشی

اداره کل امور پژوهشی

## برگزیده مقالات پزشکی قانونی

گردآوری و تنظیم:

حوریه نجیب زاده

ربابه زعفرانی

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## 1-Forensic Science International Volume 293



- 1- Isolation, identification, and time course of human DNA typing from bed bugs, *Cimex lectularius*
- 2- Non-linear method of determining vehicle pre-crash speed based on tensor B-spline products with probabilistic weights — Intermediate Car Class
- 3- Length, weight and head circumference as reliable signs of maturity in a modern German birth collective
- 4- DNA on feminine sanitary products
- 5- Determination of the maximum distance blood spatter travels from a vertical impact
- 6- Functional characterization of TRPM4 variants identified in sudden unexpected natural death

7- Analysis of elemental and isotopic variation in glass frictionators from 0.22 rimfire primers

8- A study of the intrinsic variability and the effect of environmental conditions on the formation of a postmortem root band

9- Sudden unexpected death in the young — Value of massive parallel sequencing in postmortem genetic analyses

10- The effects of household corrosive substances on silver amalgam and porcelain-fused-to-metal restorations and non-restored teeth

11- Micro-CT for saw mark analysis on human bone

12- Forensic Science UK — We need solutions, let's hear them

13- Sexual size dimorphism in three species of forensically important blowflies (Diptera: Calliphoridae) and its implications for postmortem interval estimation

## 2-Journal of Forensic Sciences Volume 63



1- Detection of Fingermarks—Applicability to Metallic Surfaces: A Literature Review

2- A Review and Conceptual Model of Factors Correlated with Postmortem Root Band Formation

3- The PEth Blood Test in the Security Environment: What it is; Why it is Important; and Interpretative Guidelines

4- Growth Patterns and Individual Variation in Mid- sagittal Facial Soft Tissue Depth from Childhood to Adulthood

5- The Relationship Between Hard Tissue and Soft Tissue Dimensions of the Nose in Children: A 3D Cone Beam Computed Tomography Study

6- Differential Decomposition Among Pig, Rabbit, and Human Remains  
Differential Scavenging Among Pig, Rabbit, and Human Subjects

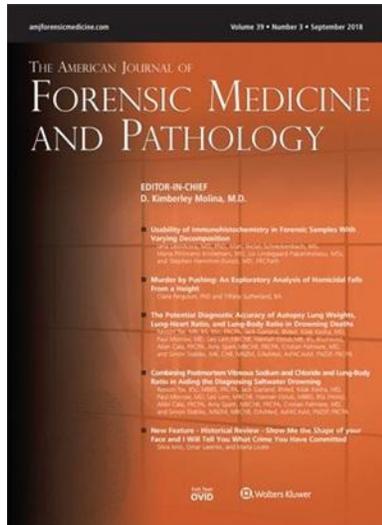
7- Massively Parallel Sequencing of Forensic STRs Using the Ion Chef™ and the Ion S5™ XL Systems

8- Distinction of Fly Artifacts from Human Blood using Immunodetection

9- Comparing Categorical and Probabilistic Fingerprint Evidence

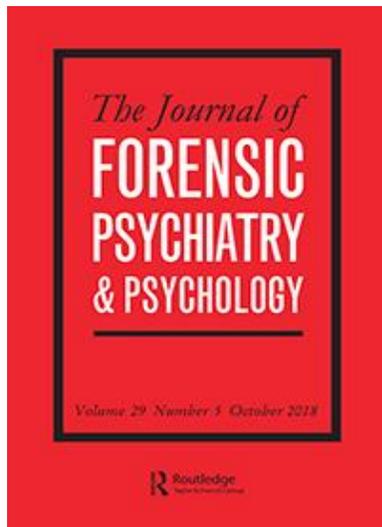
- 10- Development of Latent Fingermarks on Nonporous and Semiporous Substrates Using Photoluminescent Eu(Phen)<sub>2</sub>Complex Intercalated Clay Hybrids with Enhanced Adhesion
- 11- Facial Asymmetry- Based Age Group Estimation: Role in Recognizing Age- Separated Face Images
- 12- Analysis of Class Characteristics of Reciprocating Saws
- 13- Undiagnosed Congenital Heart Defects as a Cause of Sudden, Unexpected Death in Children
- 14- Are Statutory Requirements Followed in the Certification of Traumatic, Unexpected, and Unattended Deaths in Missouri
- 15- Confidence in Attachment Relationships and Marital Status as Protective Factors for Self- Perceived Parental Role and In- Person Visitation with Children Among Incarcerated Fathers
- 16- The Act of Answering Questions Elicited Differentiated Responses in a Concealed Information Test
- 17- Epidemiological Study of Carbon Monoxide Deaths in Scotland 2007–2016
- 18- The Health Risks of Belgian Illicit Indoor Cannabis Plantations

### 3-American Journal of Forensic Medicine and Pathology Volume 39



- 1- A New Reference Source for Postmortem Body Measurements and Organ Weights in Neonates and Infants
- 2- Differences in Sampling Site on Postmortem Cerebrospinal Fluid Biochemistry
- 3- Emergency Department Documentation of Alleged Police Use of Excessive Force in Cases Where Formal Complaints Are Ultimately Filed
- 4- Genitoanal Injury in Sexually Assaulted Adult Women
- 5- Appearance/Image- and Performance-Enhancing Drug Users
- 6- Diagnostic Criteria for Commotio Cordis Caused by Violent Attack

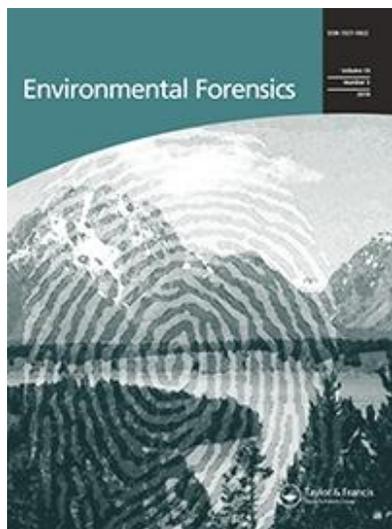
#### 4-Journal of Forensic Psychiatry and Psychology Volume 29



- 1- The Word Memory Test in medicolegal assessment: a measure of effort and malingering?
- 2- An exploratory study of women prisoners' attitudes towards their self-harm and the use of medical skin camouflage
- 3- The association between specific competence-related abilities and competence restoration treatment
- 4- Outcomes in a low secure unit: pre-admission and post-discharge comparisons
- 5- Deliberate ingestion of foreign bodies as a form of self-harm among inpatients within forensic mental health and intellectual disability services
- 6- Detection strategies for feigned psychopathology: test development and effects of criminal charge simulation design on response styles
- 7- Negative reactions to the sexually abused victims, withdrawing the complaint and outcomes of the litigation: the first data from Turkey

- 8- Psychometric validation of the Brief Symptom Inventory 25 Forensic (BSI-25-F)
- 9- Mission impossible? Assessing the veracity of a mental health problem as result of a road traffic accident: a preliminary review of UK experts' practices
- 10- Personality traits in suicidal and homicidal subjects with schizophrenia
- 11- The impact of forced forensic psychiatric confinement on composition and structure in the personal networks of personality-disordered forensic psychiatric patients
- 12- An evaluation of the effectiveness of positive behavioural support within a medium secure mental health forensic service
- 13- Validity and reliability of the Self-Report Delinquency among a sample of at-risk youths
- 14- Perceived workplace adversity and correctional officer psychological well-being: an international examination of the impact of officer response styles

## 5-Environmental Forensics Volume 19



- 1- The characterization of water-soluble inorganic ions in  $PM_{2.5}$  during a winter period in Xi'an, China
- 2- Improving rigor in polycyclic aromatic hydrocarbon source fingerprinting
- 3- Emission rates of chlorinated volatile organics from new and used consumer products found during vapor intrusion investigations: Impact on indoor air concentrations
- 4- High occurrence of BTEX around major industrial plants in Kaohsiung, Taiwan
- 5- Natural radionuclides distribution and environmental impacts of ferruginous sand-siltstone (raw material) and their manufactured Ahmer oxide used as wall paints

## 6-Science and Justice - Journal of the Forensic Science Society Volume 58



- 1- A novel FTA™ elute card collection method that improves direct DNA amplification from bloodstained concrete
- 2- A preliminary assessment of the effect of PreCR™ DNA repair treatment on mixture ratios in two person mixtures
- 3- Are DNA data a valid source to study the spatial behavior of unknown offenders?
- 4- Impact of aging on fingerprint ridge density: Anthropometry and forensic implications in sex inference
- 5- The United Kingdom and Ireland association of forensic toxicologists forensic toxicology laboratory guidelines (2018)
- 6- A comparative study of standing fleshed foot and walking and jumping bare footprint measurements
- 7- Extraction and isolation of cannabinoids from marijuana seizures and characterization by 1H NMR allied to chemometric tools

## 7-Forensic Science, Medicine, and Pathology Volume 14



- 1- The autopsy evaluation of “straightforward” fire deaths
- 2- Feasibility of analysis of the SCN5A gene in paraffin embedded samples in sudden infant death cases at the Pretoria Medico-Legal Laboratory, South Africa
- 3- Aspartic acid racemization of root dentin used for dental age estimation in a Polish population sample
- 4- Single stab injuries
- 5- The correlation between the Aquatic Decomposition Score (ADS) and the post-mortem submersion interval measured in Accumulated Degree Days (ADD) in bodies recovered from fresh water
- 6- Characteristics of sauna deaths in Korea in relation to different blood alcohol concentrations
- 7- Unexpected findings and misdiagnoses in coroner’s autopsies performed for trauma at the University of the West Indies, Kingston, Jamaica

8- Point-of-care hemoglobin A1c testing in postmortem examination

9- Lymphoma in autopsy cases

10- The use of HIV post-exposure prophylaxis in forensic medicine following incidents of sexual violence in Hamburg, Germany: a retrospective study

11- Investigation into the potential for post-mortem formation of carboxyhemoglobin in bodies retrieved from fires

12- The effectiveness of decontamination procedures used in forensic hair analysis

13- Cardiac and skeletal muscle effects of electrical weapons

## **8-Anil Aggrawal's Internet Journal of Forensic Medicine and Toxicology Volume 19**

- 1- Comparative Study for Isolation and Clean-up Procedure by Solid Phase Extraction over Liquid-Liquid Extraction of Cephalosporin and Carbapenem antibiotics in forensic samples
- 2- A Review Study to explore the dimensions of the Role of Size and Proportion of letters in Handwriting Examination
- 3- Perception of Undergraduate MBBS Students towards Integrated Teaching in Forensic Medicine
- 4- Diatomological mapping of Renuka lake in Himachal Pradesh : Significant in forensic investigation of drowning deaths
- 5- STR analysis for random Delhi-NCR population sample using AmpFLSTR identifier plus PCR amplification kit

## 9-Australian Journal of Forensic Sciences



- 1- The black sheep of forensic science: military forensic and technical exploitation
- 2- Morphological study of the labial grooves' pattern in an Italian population
- 3- An analysis of anti-forensic capabilities of B-tree file system (Btrfs)
- 4- Estimation of stature and sex from pelvic measurements in a Chinese population
- 5- Fluorescent amphiphilic silica nanopowder for developing latent fingerprints
- 6- Speed of accumulation of DNA in a fingerprint
- 7- Geochemical analysis of sediment samples for forensic purposes: characterisation of two river beaches from the Douro River, Portugal
- 8- The persistence of semen on cotton fabric in various water environments
- 9- Prediction of the length of the femur from its fragments in a Sri Lankan population

- 10- Three stages in the development of DNA evidence in Australia
- 11- Why do we need a systems thinking approach to military forensic science in the contemporary world?
- 12- Predictive role of hand and foot dimensions for stature estimation in the Malaysian population
- 13- Estimating stature using human forearm and leg anthropometric data in an Australian female sample
- 14- Detection of petrol residues in natural and synthetic textiles before and after burning using SPME and GC-MS
- 15- Developing a strategic forensic science risk management system as a component of the forensic science system of systems
- 16- Osmoregulatory element binding protein and osmoprotective genes as molecular biomarkers for discriminate patterns of drowning
- 17- ‘Enhancing’ forensic audio: false beliefs and their effect in criminal trials
- 18- Prediction of human eye colour using highly informative phenotype SNPs (PISNPs)
- 19- The changes of attenuated total reflection-Fourier transform infrared after rat’s death under different humidity conditions
- 20- Trace elemental profile investigation of illicit heroin for forensic intelligence
- 21- Combined Principal Component Analysis (PCA) and Hierarchical Cluster Analysis (HCA): an efficient chemometric approach in aged gel inks discrimination
- 22- The forensic intelligence continuum in the military context

23- Evaluating the impact of different formats in the presentation of trauma evidence in court: a pilot study

24- FReadyPass: a digital forensic ready passport to control access to data across jurisdictional boundaries

25- Mitigating temporal mismatches in forensic soil microbial profiles

26- An atomic force microscopy investigation of plastic wrapping materials of forensic relevance buried in soil environments

27- Potential application of liquid dye penetrants for serial number restoration on firearms

28- Post-mortem interval estimation in rat liver tissues using attenuated total reflection Fourier transform infrared spectroscopy combined with chemometrics

29- A model for height and sex prediction from percutaneous lengths of forearm bones

30- A comparison of human and pig decomposition rates and odour profiles in an Australian environment

31- Some vitreous humour cardiorenal biochemical parameters as an indicator of acute carbon monoxide poisoning death: an animal model

32- Biomechanical analysis of controlled tibial blunt force trauma

33- Forensic analysis of diatom in the spleen and heart in Sprague-Dawley rats

34- Computational simulation of projectile injuries to human parietal bone using finite element analysis

35- Detection of latent DNA on tape-lifts using fluorescent in situ detection

## 10- Forensic odontology Volume 3



- 1- Role of radiology in forensic odontology
- 2- Evaluation of accuracy of human bite marks on skin and an inanimate object: A forensic-based cross-sectional study
- 3- Odontometry and skull anthropometry: A possible tool for stature estimation using minimum armamentarium
- 4- Trends in forensic odontology publications: 2000–2015
- 5- A cross-sectional study to assess knowledge, attitude, and awareness of forensic odontology among medical students: An emergency concern
- 6- Comparative evaluation of formocresol and electrosurgical pulpotomy in human primary teeth- An in vivo study
- 7- Dental tissue as an imperative marker for human identification in mass disaster
- 8- Comparative analysis of kvaal's and cameriere's methods for dental age estimation: A panoramic radiographic study

9- Age determination by schour and massler method: A forensic study

10- Age estimation by exfoliative cytology: New era of noninvasive forensic science

## 11-Forensic Science International: Genetics Volume 37



- 1- Improving publication quality and the importance of Post Publication Peer Review: The illustrating example of X chromosome analysis and calculation of forensic parameters
- 2- Applying microbial biogeography in soil forensics
- 3- Estimating the postmortem interval using microbes: knowledge gaps and a path to technology adoption
- 4- Analysis of genetic polymorphisms and mutations at 23 autosomal STR loci in Guangdong Han population
- 5- Haplotype data of 27 Y-STR loci in Hong Kong Chinese