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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to forensic toxicology and the value of a nationwide database / Alan Wayne Jones -- Forensic pharmacology / Nigel J. Langford -- The role of amnesty bins in understanding the pattern of recreational drugs and novel psychoactive substances being used within a locality / David M. Wood and Paul I. Dargan -- Contamination of water with drugs and metabolites / Victoria Hilborne -- Understanding the utility of analysis of anonymous pooled urine from standalone urinals in detecting and monitoring recreational drug use / David M. Wood and Paul I. Dargan -- Mephedrone and new psychoactive substances / Simon Elliott -- Novel psychoactives in New Zealand / Samantha J. Coward and Hilary J. Hamnett -- Cannabis and synthetic cannabinoids / Kim Wolff -- Khat - chewing it over : continuing "cultural cement," cardiac challenge or catalyst for change? / John Martin Corkery -- Role of analytical screening in the management and assessment of acute recreational drug toxicity / David M. Wood and Paul I. Dargan -- Workplace drug testing / Simon Walker -- Current issues in human sport drug testing : clenbuterol, erythropoietin

and xenon / A.Y. Kicman, D.A. Cowan and I. Gavrilovic -- Drugs and driving / Kim Wolff -- Alcohol technical defences in road traffic casework / Mike Scott-Ham -- New psychoactive substances and the criminal law / Rudi Fortson -- Scheduling of drugs in the United States / Jeffery Hackett -- Drug legislation in New Zealand / Keith Bedford -- Use of reference materials in toxicology / Jennifer Button -- Nail analysis in forensic toxicology / Nikolas P. Lemos -- Hair testing in forensic toxicology / Donna M. Cave and Robert Kingston -- Drugs in oral fluid / Peter Akrill -- Sweat as an alternative biological matrix / Nadia De Giovanni -- Smart drugs / Angela Wing Gar Kwan -- Substandard and counterfeit medicines / Badr Aljohani -- Detection of drugs and drug metabolites from fingerprints / Paula Garcia Calavia and David A. Russell -- Investigating drug metabolism of new psychoactive substances using human liver preparations and animal studies / Markus R. Meyer and Hans H. Maurer -- Case examples and discussion / John Slaughter.

Sommario/riassunto

The text begins with an in-depth discussion of pharmacoepidemiology, including information on the value of nationwide databases in forensic toxicology. The use and abuse of drugs in driving, sport and the workplace are then discussed by industry experts who are conducting case work in their fields. Not only are new drug groups discussed (NPS), but also their constantly changing impact on drug legislation. Synthetic cannabinoids, khat and mephedrone are discussed in detail. Following a section devoted to legislation and defence, readers will find comprehensive chapters covering sample choice reflecting the increasing use of hair and oral fluid, also the less commonly used sweat and nail analysis. New and old case examples are compared and contrasted in the final part of the book, which will enable readers to understand how drugs impact on each other and how the interpretative outcome of a case are dependent on many aspects.

-- Provided by publisher.
