



The U.S. Attorney General has determined that the publication of this periodical is necessary in the transaction of the public business required by the Department of Justice. Information, instruction, and disclaimers are published in the January issues.

– APRIL 2012 –

SELECTED REFERENCES

[The Selected References section is a compilation of recent publications of presumed interest to forensic chemists. Unless otherwise stated, all listed citations are published in English. Abbreviated mailing address information duplicates that which is provided by the abstracting service. Patents and Proceedings are reported only by their *Chemical Abstracts* citation number. For full text copies of any of the articles listed, you may email the DEA Library at dea.library@usdoj.gov.]

1. Kneisel S, Westphal F, Bisel P, Brecht V, Broecker S, Auwaerter V. **Identification and structural characterization of the synthetic cannabinoid 3-(1-adamantoyl)-1-pentylindole as an additive in herbal incense.** *Journal of Mass Spectrometry* 2012; 47(2):195-200. [Editor's Notes: Presents title study. Contact: University Medical Center Freiburg, Institute of Forensic Medicine, Department of Forensic Toxicology, Freiburg 79104, Germany.]
2. Nakajima J, Takahashi M, Seto T, Yoshida M, Kanai C, Suzuki J, Hamano T. **Identification and quantitation of two new naphthoylindole drugs-of-abuse, (1-(5-hydroxypentyl)-1H-indol-3-yl)(naphthalen-1-yl)methanone (AM-2202) and (1-(4-pentenyl)-1H-indol-3-yl)(naphthalen-1-yl)methanone, with other synthetic cannabinoids in unregulated "herbal" products circulated in the Tokyo area.** *Forensic Toxicology* 2012;30(1):33-44. [Editor's Notes: Presents title study. Contact: Tokyo Metropolitan Institute of Public Health 3-24-1 Hyakunin-cho, Shinjuku-ku, Tokyo 169-0073, Japan.]

- Westphal F, Soennichsen FD, Thiemt S. **Identification of 1-butyl-3-(1-(4-methyl)naphthoyl)indole in a herbal mixture.** Forensic Science International 2012; 215(1-3):8-13. [Editor's Notes: Presents title study. Contact: Section Narcotics/ Toxicology, State Bureau of Criminal Investigation Schleswig-Holstein, Kiel 24116, Germany.]

Additional References of Possible Interest:

- Melucci D, Monti D, D'Elia M, Luciano G. **Rapid in situ repeatable analysis of drugs in powder form using reflectance near-infrared spectroscopy and multivariate calibration.** Journal of Forensic Sciences 2012;57(1):86-92. [Editor's Notes: Presents title study. Contact: Department of Chemistry Giacomo Ciamician, University of Bologna, Bologna I-40126, Italy.]
- Roehrich J, Becker J, Kaufmann T, Zoerntlein S, Urban R. **Detection of the synthetic drug 4-fluoroamphetamine (4-FA) in serum and urine.** Forensic Science International 2012;215(1-3):3-7. [Editor's Notes: Presents title study. Contact: Institute of Legal Medicine, Johannes Gutenberg-University Mainz, Am Pulverturm 3, Mainz 55131, Germany.]
- van Nuijs ALN, Maudens KE, Lambert WE, Van Calenbergh S, Risseuw MDP, Van Hee P, Covaci A, Neels H. **Dancing on coke: Smuggling cocaine dispersed in polyvinyl alcohol.** Journal of Forensic Sciences 2012;57(1):234-238. [Editor's Notes: A report of the analysis a dance mat filled with polyvinyl alcohol containing 18% cocaine. Contact: Toxicological Centre, University of Antwerp, Antwerp 2610, Belgium.]
- Zuba D. **Identification of cathinones and other active components of 'legal highs' by mass spectrometric methods.** Trends in Analytical Chemistry 2012;32:15-30. [Editor's Notes: Presents title study. Contact: Institute of Forensic Research, Department of Forensic Toxicology, Westerplatte 9, Krakow 31033, Poland.]

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THE JOURNAL/TEXTBOOK COLLECTION EXCHANGE

The Journal/Textbook Collection Exchange is a service intended to facilitate the transfer of unwanted journals and textbooks to forensic libraries or other *Microgram* subscribers. The DEA Office of Forensic Sciences is looking for donation of the following items:

Journal of Forensic Sciences, 1960 through 1965, either bound or individual issues.

If you can assist, please contact Dr. Bob Klein at: robert.x.klein@usdoj.gov.

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THE DEA FY 2012 STATE AND LOCAL FORENSIC CHEMISTS SEMINAR SCHEDULE

The FY 2012 schedule for the State and Local Forensic Chemists Seminar is as follows:

June 11-15, 2012
September 10-14, 2012

The school is open only to forensic chemists working for law enforcement agencies. It is intended for chemists who have completed their agency's internal training program and have also been working on the bench for at least one year. There is no tuition charge. The course is held at the Hyatt Place Dulles North Hotel in Sterling, Virginia (near the Washington/Dulles International Airport). A copy of the application form is reproduced on the last page of this issue of *Microgram Bulletin*. Completed applications should be mailed to the Special Testing and Research Laboratory at 22624 Dulles Summit Court, Dulles, VA 20166. For additional information, email DEA-Forensic-Chemist.Seminar@usdoj.gov.

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SCIENTIFIC MEETINGS

Title: Society of Forensic Toxicologists 42nd Annual Meeting
Sponsoring Organization: Society of Forensic Toxicologists Inc.
Inclusive Dates: July 1-6, 2012
Location: Boston Marriott Copley Place – Back Bay (Boston, MA)
Contact Information: See website
Website: www.soft2012.org

Title: The 41st Annual MAFS Meeting
Sponsoring Organization: Midwestern Association of Forensic Scientists
Inclusive Dates: September 24-28, 2012
Location: Hilton Milwaukee City Center (Milwaukee, WI)
Contact Information: See website
Website: www.mafs.net

Title: Southern Association of Forensic Scientists 2012 Annual Meeting
Sponsoring Organization: Southern Association of Forensic Scientists
Inclusive Dates: September 30 – October 4, 2012
Location: Hilton Pensacola Beach Gulf Front (Pensacola Beach, FL)
Contact Information: See website
Website: www.southernforensic.org

DEA State and Local Forensic Chemist Seminar Application

Name: (PRINT NAME EXACTLY AS IT IS TO APPEAR ON CERTIFICATE)	Title:
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Employer:

Your Office Mailing Address (include city, state, and zip code):	Length of Service:
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Business Telephone: () -	Business Fax: () -	Date of Application:
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Email Address:

Education

College or University	Degree	Major

Please Check Which Techniques or Equipment Are Used in Your Laboratory

Color Tests	UV
Column Chromatography	IR
Microcrystal Tests	CE
Thin Layer Chromatography	GC/MS
GC	Other (please specify)
HPLC	Other (please specify)

Indicate Analytical Problem(s) Nominee Would Like to Have Covered:

Choice of Seminar Dates:

1st Choice: _____ 2nd Choice: _____

Laboratory Chief/Director:

Printed Name: _____ Signature: _____

Title: _____ Date: _____

Phone: _____