1. Record Nr. UNINA9911018665003321

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Titolo	Analytical Methods for Tobacco and Nicotine Harm Reduction / / by Serban Moldoveanu, Robert Owen Bussey
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031930676 9783031930669
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (685 pages)
Altri autori (Persone)	BusseyRobert Owen
Disciplina	543
Soggetti	Analytical chemistry Spectrum analysis Mass spectrometry Chemicals - Safety measures Pharmacovigilance Analytical Chemistry Spectroscopy Mass Spectrometry Chemical Safety Drug Safety and Pharmacovigilance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	General information about tobacco and nicotine products -- Total particulate matter (TPM), “tar”, water, nicotine, and carbon monoxide -- Acetamide and acrylamide -- Aflatoxins -- Ammonia -- Aromatic amines -- Carbonyl compounds -- Chlorinated dioxins/furans -- Heterocyclic aromatic amines -- Hydrogen cyanide.
Sommario/riassunto	This book presents a critical review of the analytical methods used for the measurement of harmful and potentially harmful compounds (HPHC) in tobacco and nicotine-related products. In the first chapter of the book, a presentation of the main types of tobacco products is introduced, including cigarettes, cigars, cigarillos, little filter cigars, dissolvable tobacco products, hookah (shisha or waterpipe), nicotine gels, pipe tobacco products, roll your own, smokeless tobacco

products, such as dip, snuff, snus, and chewing tobacco and E-Cigarettes, vapes, and other electronic nicotine delivery systems (ENDS). In the second and main part of the book, the analytical methods for the compounds in the established list from the U.S. Food and Drug Administration (FDA) of HPHC are discussed. For example, in cigarette smoke, specific discussions related to the analytical methods for nicotine, acetaldehyde, acrolein, acrylonitrile, aromatic amines, ammonia, benzene, benzo[a]pyrene, 1,3-butadiene, carbon monoxide, crotonaldehyde, formaldehyde, isoprene, TSNA’s, and toluene are presented. Specific analytical methods for the analysis of HPHC in ENDS are also included. Various other analytical methods used for all the 93 HPHC in the established list by FDA for tobacco products and tobacco smoke are presented. The book will be useful to scientists working in the industry as well as students and researchers interested in the area.