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Consumption of alcohol is a globally ubiquitous, often controversial activity, and business organizations in this sector are of significant social and economic relevance. This book draws on accounting records from the sector to reveal fresh and unique insights into the historic development of the production of alcoholic beverages. Offering a historic overview of the three major areas of the alcohol industry – brewing, distilling and wine – this book reveals the commonalities and differences which are present in the industry, while also highlighting its social impact. The editors bring together contributions from around the world, including Mexico, France, Japan and Ireland, to demonstrate how accounting has developed over time. Offering diverse geographical and historical perspectives, it explores multiple aspects of accounting within the industry, including internal control, earnings management, competition, and regulatory aspects. The fascinating insights into breweries, wineries, spirit distillers, vineyards and other related organizations provides a unique historic perspective of accounting systems, techniques and practices. Drawing on an international range of examples and rich archival material, this valuable research collection will be of great interest to researchers and advanced students of accounting and business history. Introduction to gasohol; Decision to produce gasohol; Basic production processes; Fundamentals of feedstocks; Markets for ethanol and coproducts; Economics of ethanol production; Overview of process technology; Ethanol-plant designs; Environmental and safety impacts; Utilization of gasohol; Business planning; Preparation of feasibility analysis; International development; Resource people and organizations. In recent years there have been alarming reports of rapid decreases in life expectancy in the New Independent States (former members of the Soviet Union). To help assess priorities for health policy, the Committee on Population organized two workshops--the first on adult mortality and disability, the second on adult health priorities and policies. Participants included demographers, epidemiologists, public health specialists, economists,

and policymakers from the NIS countries, the United States, and Western Europe. This volume consists of selected papers presented at the workshops. They assess the reliability of data on mortality, morbidity, and disability; analyze regional patterns and trends in mortality rates and causes of death; review evidence about major determinants of adult mortality; and discuss implications for health policy. In American society, the consumption of alcohol during pregnancy is considered dangerous, irresponsible, and in some cases illegal. Pregnant women who have even a single drink routinely face openly voiced reproach. Yet fetal alcohol syndrome (FAS) in infants and children is notoriously difficult to diagnose, and the relationship between alcohol and adverse birth outcomes is riddled with puzzles and paradoxes. Sociologist Elizabeth M. Armstrong uses fetal alcohol syndrome and the problem of drinking during pregnancy to examine the assumed relationship between somatic and social disorder, the ways in which social problems are individualized, and the intertwining of health and morality that characterizes American society. She traces the evolution of medical knowledge about the effects of alcohol on fetal development, from nineteenth-century debates about drinking and heredity to the modern diagnosis of FAS and its kindred syndromes. She argues that issues of race, class, and gender have influenced medical findings about alcohol and reproduction and that these findings have always reflected broader social and moral preoccupations and, in particular, concerns about women's roles and place in society, as well as the fitness of future generations. Medical beliefs about drinking during pregnancy have often ignored the poverty, chaos, and insufficiency of some women's lives -- factors that may be more responsible than alcohol for adverse outcomes in babies and children. Using primary sources and interviews to explore relationships between doctors and patients and women and their unborn children, Armstrong offers a provocative and detailed analysis of how drinking during pregnancy came to be considered a pervasive social problem, despite the uncertainties surrounding the epidemiology and etiology of fetal alcohol syndrome.

The Proceedings of the 19th International Seaweed Symposium provides an invaluable reference to a wide range of fields in applied phycology. Papers cover topics as diverse as the systematics, ecology, physiology, integrated multitrophic aquaculture, commercial applications, carbohydrate chemistry and applications, harvesting biology, cultivation of seaweeds and microalgae and more. Contributions from all parts of the world give the volume exceptional relevance in an increasingly global scientific and commercial climate. Like its predecessors, this volume provides a benchmark of progress in all fields of applied seaweed science and management, and will be referred to for many years to come. Meet the learning needs of today's students with a brand-new style of textbook—designed to excite your students' interest in clinical chemistry! Organized almost entirely around organ systems—to parallel the way physicians order tests—this groundbreaking text teaches the concepts and principles of clinical chemistry through realistic situations and scenarios. By integrating pathophysiology, biochemistry, and analytical chemistry for each major system, students clearly see the relevance of what they are learning to their future careers. This practical approach encourages them how to apply theoretical principles in the laboratory and to develop important critical-thinking skills. Alcohol is a killer—1 of every 13 deaths in the United States is alcohol-related. In addition, 5 percent of the population consumes 50 percent of the alcohol. The authors take a close look at the problem in a "classy little study," as *The Washington Post* called this book. *The Library Journal* states, "...[T]his is one book that addresses solutions....And it's enjoyably readable....This is an excellent review for anyone in the alcoholism prevention business, and good background reading for the interested layperson." *The Washington Post* agrees: the book "...likely will wind

up on the bookshelves of counselors, politicians, judges, medical professionals, and law enforcement officials throughout the country." This book aspires to be a comprehensive summary of current biofuels issues and thereby contribute to the understanding of this important topic. Readers will find themes including biofuels development efforts, their implications for the food industry, current and future biofuels crops, the successful Brazilian ethanol program, insights of the first, second, third and fourth biofuel generations, advanced biofuel production techniques, related waste treatment, emissions and environmental impacts, water consumption, produced allergens and toxins. Additionally, the biofuel policy discussion is expected to be continuing in the foreseeable future and the reading of the biofuels features dealt with in this book, are recommended for anyone interested in understanding this diverse and developing theme. Karch's Drug Abuse Handbook, Third Edition remains the quintessential compendium addressing the pharmacological, medical, and legal aspects of drugs and informing the forensic community of the latest scientific advances and emergent practices. For this edition, Dr. Karch has brought on clinical and forensic toxicology expert Dr. Bruce Goldberger, editor-in-chief of the Journal of Analytical Toxicology and president of the American Board of Forensic Toxicology, to serve as co-editor. In addition, world-renowned scientists and medical professionals have contributed their work and expertise in tackling the latest developments in drug testing, drug-related medical emergencies, and the drug toxicology. Topics addressed include genetic testing in drug death investigation, pathology, toxicogenetics, alcohol, post-mortem toxicology, new psychoactive substances, the latest legal issues and challenges as well as drugs and drug testing in sports, and the ethical, legal, and practical issues involved. Vivid pictures and diagrams throughout illustrate the pathological effects of drugs and the chemical make-up and breakdown of abused drugs. With unparalleled detail, the latest research and the highest level of authoritative medical scientific information, The Drug Abuse Handbook, Third Edition remains the definitive resource for drug related issues.

HISTORICAL BACKGROUND The use of genetic animal models in neuroscience and biomedical research is showing dramatic growth. The earliest application of these models to research on drug mechanisms was in the area of alcohol research. Mardones (1951) reported successful selective breeding of rats preferring and not preferring to drink alcohol under various conditions of dietary deficiency, suggesting genetic control of alcohol drinking. McClearn and Rodgers (1959, 1961) described differences among inbred mouse strains in preference for 10% ethanol solutions versus tap water. Active exploration of this phenomenon continued until the early 1970s, eventually spawning the entire range of alcohol genetic research reviewed in Chapters 2 and 3 of this volume. Notably, oral alcohol self-administration has served as the basis for the development of several rat lines bred for preference or aversion, and these lines are very actively being investigated. The pioneering research of Dr. McClearn and others was very wide ranging in its conceptual scope and at least touched on all issues currently under intense investigation. The basic approach was to identify high and low preferers among inbred strains of mice and to search for preference correlates in other traits. One major thrust of early research was to attempt to explain strain differences in preference as a function of underlying differences in patterns of caloric utilization. Reviews of these studies concluded that nutritional factors could not completely explain preference differences (Rodgers, 1966; McClearn, 1968).

Sustainable Food Waste-to-Energy Systems assesses the utilization of food waste in sustainable energy conversion systems. It explores all sources of waste generated in the food supply chain (downstream from agriculture), with coverage of industrial, commercial, institutional and residential sources. It

provides a detailed analysis of the conventional pathways for food waste disposal and utilization, including composting, incineration, landfilling and wastewater treatment. Next, users will find valuable sections on the chemical, biochemical and thermochemical waste-to-energy conversion processes applicable for food waste and an assessment of commercially available sustainable food waste-to-energy conversion technologies. Sustainability aspects, including consideration of environmental, economic and social impacts are also explored. The book concludes with an analysis of how deploying waste-to-energy systems is dependent on cross-cutting research methods, including geographical information systems and big data. It is a useful resource for professionals working in waste-to-energy technologies, as well as those in the food industry and food waste management sector planning and implementing these systems, but is also ideal for researchers, graduate students, energy policymakers and energy analysts interested in the most recent advances in the field. Provides guidance on how specific food waste characteristics drive possible waste-to-energy conversion processes Presents methodologies for selecting among different waste-to-energy options, based on waste volumes, distribution and properties, local energy demand (electrical/thermal/steam), opportunities for industrial symbiosis, regulations and incentives and social acceptance, etc. Contains tools to assess potential environmental and economic performance of deployed systems Links to publicly available resources on food waste data for energy conversion Recent studies have shown strong evidence of human activity impact on the climate of the planet. Higher temperatures and intensification of extreme weather events such as hurricanes are among the consequences. This scenario opens up several possibilities for what is now called "green" or low carbon economy. We are talking about creating new businesses and industries geared to develop products and services with low consumption of natural resources and reduced greenhouse gases emission. Within this category of business, biofuels is a highlight and the central theme of this book. The first section presents some research results for first generation ethanol production from starch and sugar raw materials. Chapters in the second section present results on some efforts around the world to develop an efficient technology for producing second-generation ethanol from different types of lignocellulosic materials. While these production technologies are being developed, different uses for ethanol could also be studied. The chapter in the third section points to the use of hydrogen in fuel cells, where this hydrogen could be produced from ethanol. Joseph R. Gusfield has been for decades the most creative, penetrating, and far-sighted sociologist of alcohol's ambiguous place in American society. Combining in his work the perspectives and methods of historian, anthropologist, and sociologist, Gusfield brings together in this volume many of his most important articles from a span of twenty years, as well as several fascinating but little-known ethnographic studies of bars in San Diego and a previously unpublished study of court-mandated procedures involving convicted drinking-drivers. Gusfield begins by offering two new constructionist analyses of social problems, focusing on alcohol. His theme throughout *Contested Meanings* is the conflicting and changing ways society defines social problems (when does alcohol consumption cross the line from social activity to social problem?) and on the social and policy consequences of those definitions. He emerges in the course of the book as a thoughtful and realistic social critic who looks beyond analyses of drinking as pathological behavior to consider the place of alcohol in American popular and leisure culture. Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are

needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

In early to mid-19th century America, there were growing debates concerning the social acceptability of alcohol and its consumption. Temperance reformers publicly decried the evils of liquor, and America's greatest authors began to write works of temperance fiction, stories that urged Americans to refrain from imbibing. Herman Melville was born in an era when drunkenness was part of daily life for American men but came of age at a time when the temperance movement had gained social and literary momentum. This first full-length analysis of alcohol and intoxication in Melville's novels, short fiction and poetry shows how he entered the debate in the latter half of the 19th century. Throughout his work he cautions readers to avoid alcohol and consistently illustrates negative outcomes of drinking.

Global Bioethanol: Evolution, Risks, and Uncertainties explores the conceptual and methodological approaches for the understanding of bioethanol technologies, policies and future perspectives. After a decade of huge investments made by big companies and governments all around the world, it is time to talk about the real conditions in which bioethanol will (or will not) evolve. Uncertainties and certainties are discussed and addressed to understand the futures of global bioethanol. The book analyses the evolution of bioethanol in the world's energy mix under technological, economic and commercial perspectives. It gives particular emphasis on the innovative trajectories of second-generation ethanol and their potential in different countries and regions. Future scenarios are proposed in order to evaluate the possible outcomes of ethanol in a global perspective. For providing a thorough overview of the bioethanol sector from different points of view, this book is a very useful resource for all involved with biofuels in general and bioethanol in particular, including energy engineers, researchers, consultants, analysts and policy makers. Presents a thorough examination of the uncertainties surrounding bioethanol in the future global energy mix Provides a data-driven and updated picture on the technological, economic, and market trends and scenarios for bioethanol Offers a foresight analysis on the perspectives of bioethanol as a global commodity Includes a prospective about who is going to lead the new trajectories in the global arena

Research Paper (undergraduate) from the year 2015 in the subject Business economics - Marketing, Corporate Communication, CRM, Market Research, Social Media, grade: 1,3, University of applied sciences, Cologne, language: English, abstract: More than 100 years after the invention of the internal combustion engine, incumbent automobile manufacturers are at a crossroads and face nowadays significant industry-wide challenges. The reliance on the gasoline-powered internal combustion engine as the principal automobile powertrain technology is connected with several negative aspects: It raises environmental concerns,

creates dependence among industrialized and developing nations on imported oil and it also exposes consumers to volatile fuel prices. All these challenges offer a historic opportunity for companies with innovative electric powertrain technologies to lead the next technological era of the automotive industry. Therefore, the objective of this assignment is to analyze the market situation of the all-electric vehicle manufacturer Tesla Motors, Inc. and to find out its unique selling proposition. The focus will be on the company's domestic market, the United States of America. Moreover, this assignment will only take Tesla's automotive products into consideration. The 19th European Symposium on Computer Aided Process Engineering contains papers presented at the 19th European Symposium of Computer Aided Process Engineering (ESCAPE 19) held in Cracow, Poland, June 14-17, 2009. The ESCAPE series serves as a forum for scientists and engineers from academia and industry to discuss progress achieved in the area of CAPE. * CD-ROM that accompanies the book contains all research papers and contributions * International in scope with guest speeches and keynote talks from leaders in science and industry * Presents papers covering the latest research, key top areas and developments in computer aided process engineering (CAPE) Decision to produce; Markets and uses; Market assessment; Production potential; Equipment selection; Financial requirements; Decision and planning workssheets; Basic ethanol production; Preparation of feedstocks, Fermentation; Distillation; Types of feedstocks; Coproduct yields; Agronomic considerations; Plant design; Overall plant considerations; Process control; Representative ethanol plant; Maintenance checklist; Business plan; Analysis of financial requirements; Organizational form; Financing; Case study; Summary of legislation; Bureau of alcohol, tobacco, and firearms permit information; Enviromental considerations. June 11-13, 2018 Barcelona, Spain Key Topics : Materials Science and Engineering, Nanomaterials and Nanotechnology, Biomaterials and Medical Devices, Polymer Science and Technology, Ceramics and Composite Materials, Electronic, Optical and Magnetic Materials, Emerging Smart Materials, Materials for Energy and Environmental Sustainability, Physics and Chemistry of Materials, Metals, Mining, Metallurgy and Materials, Mechanics, Characterization Techniques and Equipments, Graphene and 2D Materials, The book includes research on multi-dimensional aspects of problems related to alcohol. The chapters cover a wide range of topics on the theme of Alcoholism ranging from reasons and factors that induce alcoholism, to health risks and finally possible medical, psychological and alternative remedial measures. Various factors such as genetics, childhood influences, antisocial behavior, and personality traits contribute to this menace of alcoholism. Cultural values, beliefs, and childhood experiences to govern thought process are indirectly related to earlier stages of alcohol addiction. Family history and life stress have implications on individual/s susceptibility to alcohol addiction. Personality traits influence the addiction in individuals. The treatment of alcoholism involves different therapies besides medicines for comprehensive and smooth recovery of the person. The important inducing factors, impact on society, individual, brain, family, nutritional deficiency and possible therapies such as body psychotherapies, herbal and natural therapy have been covered in the book in hopes of a comprehensive solution. Note: T& F does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka. This updated and revised second edition of "Alcohol and Tobacco" reflects the new ICD 11 and DSM V classifications and provides comprehensive descriptions of new therapeutic approaches, outlining the different interactions between personality, environment and the effects of the respective substance. In addition to new data on prevention-based therapies, especially for smoking addiction, the book also presents essential psychological and

sociological strategies, and medication-based therapies. Particular attention is given to new medications and new compounds for e-cigarettes, while a broad overview of the American and European epidemiology of alcohol and nicotine addictions rounds out the coverage. Given the breadth and depth of its coverage, the book will appeal to a wide readership, from professionals to researchers and students. The Handbook of Air Toxics compiles, defines, and clarifies several methods and concepts of airborne toxic substances found in the environment. This comprehensive reference helps regulators, consultants, and other environmental professionals meet the challenges of sampling and analysis, emissions reductions, and health and safety issues related to human exposure. It is an important reference addressing the ongoing concern about the consequences of air pollution, and the implementation and modification of the Environmental Protection Agency's (EPA) Clean Air Act. Some of the methods described in the Handbook of Air Toxics include fluorescence, thermal desorption, selected ion monitoring, ion chromatography, light microscopy, specific electrode analysis, titration, colorimetry, atomic absorption, and spectrophotometry. It also covers the use of isokinetic sampling trains, midjet impingers, carbon molecular sieves, and sampling canisters in the analysis of air toxics. The Handbook also contains recommendations from the EPA for analytical methods for those air toxics where methods do not already exist and provides advance information on future method development by the EPA. First published in 1989. Routledge is an imprint of Taylor & Francis, an informa company. Leading forensic pathologists from around the world synthesize the practical advances in a variety of important subspecialties of forensic pathology and demonstrate how the latest medical and scientific progress is being applied to solve current problems of high interest to forensic pathologists today. The authors offer cutting-edge insights into death from environmental conditions (lightning and elder abuse), homicide by sharp force, death from natural causes (asthma, Marfan syndrome, and peliosis of the liver and spleen), and pathology of human endothelium in septic organ failure. Additional chapters address special aspects of crime scene interpretation and behavioral analysis, neogenesis of ethanol and fusel oils in putrefying blood, agrochemical poisoning, imaging techniques in forensic pathology, and fixation techniques for organs and parenchymal structures. A comprehensive, up-to-date review of the international literature is given for each chapter. Bioethanol Production from Food Crops: Sustainable Sources, Interventions and Challenges comprehensively covers the global scenario of ethanol production from both food and non-food crops and other sources. The book guides readers through the balancing of the debate on food vs. fuel, giving important insights into resource management and the environmental and economic impact of this balance between demands. Sections cover Global Bioethanol from Food Crops and Forest Resource, Bioethanol from Bagasse and Lignocellulosic wastes, Bioethanol from algae, and Economics and Challenges, presenting a multidisciplinary approach to this complex topic. As biofuels continue to grow as a vital alternative energy source, it is imperative that the proper balance is reached between resource protection and human survival. This book provides important insights into achieving that balance. Presents technological interventions in ethanol production, from plant biomass, to food crops Addresses food security issues arising from bioethanol production Identifies development bottlenecks and areas where collaborative efforts can help develop more cost-effective technology This analysis of the social history of alcohol in Ghana since the early 19th century blends the approaches of history, anthropology, social medicine, theology and political science. Sources used include proverbs, music, comic opera, popular literature, photographs, and colonial archives. Alcohol use has a long and ubiquitous history. The prevailing tendency

to view alcohol merely as a 'social problem' or the popular notion that alcohol only serves to provide us with a 'hedonic' high, masks its importance in the social fabric of many human societies both past and present. To understand alcohol use, as a complex social practice that has been exploited by humans for thousands of years, requires cross-disciplinary insight from social/cultural anthropologists, archaeologists, historians, psychologists, primatologists, and biologists. This multi-disciplinary volume examines the broad use of alcohol in the human lineage and its wider relationship to social contexts such as feasting, sacred rituals, and social bonding. Alcohol abuse is a small part of a much more complex and social pattern of widespread alcohol use by humans. This alone should prompt us to explore the evolutionary origins of this ancient practice and the socially functional reasons for its continued popularity. The objectives of this volume are: (1) to understand how and why nonhuman primates and other animals use alcohol in the wild, and its relevance to understanding the social consumption of alcohol in humans; (2) to understand the social function of alcohol in human prehistory; (3) to understand the sociocultural significance of alcohol across human societies; and (4) to explore the social functions of alcohol consumption in contemporary society. 'Alcohol in Humans' will be fascinating reading for those in the fields of biology, psychology, anthropology, archaeology, as well as those with a broader interest in addiction. Everything from the type and quality of water to the final stages of fermentation, storage and tasting are discussed within this late 19th-century analysis of beer and the brewing process. Drawing on an analysis of issues surrounding the consumption of alcohol in a diverse range of source materials, including novels, newspapers, medical texts, and archival records, this lively and engaging interdisciplinary study explores sociocultural nation-building processes in Mexico between 1810 and 1910. Examining the historical importance of drinking as both an important feature of Mexican social life and a persistent source of concern for Mexican intellectuals and politicians, Deborah Toner's *Alcohol and Nationhood in Nineteenth-Century Mexico* offers surprising insights into how the nation was constructed and deconstructed in the nineteenth century. Although Mexican intellectuals did indeed condemn the physically and morally debilitating aspects of excessive alcohol consumption and worried that particularly Mexican drinks and drinking places were preventing Mexico's progress as a nation, they also identified more culturally valuable aspects of Mexican drinking cultures that ought to be celebrated as part of an "authentic" Mexican national culture. The intertwined literary and historical analysis in this study illustrates how wide-ranging the connections were between ideas about drinking, poverty, crime, insanity, citizenship, patriotism, gender, sexuality, race, and ethnicity in the nineteenth century, and the book makes timely and important contributions to the fields of Latin American literature, alcohol studies, and the social and cultural history of nation-building.