

Asabe

TANGLED Beautiful Onyinye had great dreams for the future; to one day go to medical school and alleviate the suffering of her family. Nduka, her brother who the family pinned their hopes had left for the US for medical studies. He marries Mia, an American and is faced with culture shock. Onyinye's family disintegrates right before her eyes and she contemplates prostitution to provide for her family. She finds true love in Ifeanyi and just as her life starts to come together, her world is shattered by one tragic event after another. Will Onyinye and her family survive the hammering assault of societal dictates and values against the intense personal struggle of change and pleasure?A thought-provoking, gripping, intense and thoroughly enjoyable piece of storytelling " -Publisher, Catalyst Magazine"
Intriguing masterpiece characterized by interplay, twists so vividly portrayed and compelling extremely informative and culturally insightful " -Cleo Johnson-McLaughlin, President Black United Fund of Texas"
Exceptionally engaging piece of work that embraces all aspects of humanity; from suspense to humor, empathy to sadness, a mixture of emotional conflicts " " Spellingbind " " Stroke of genius " " Unraveling " " Captivating; absolutely heart wrenching " -Reader's comments

Although women have long been active residents in African cities, explorations of their contributions have been marginal. This volume brings women into the center of the urban landscape, using case studies to illustrate their contributions to family, community, work, and political life. The book begins with a rich introduction that discusses how women's work in trade and agriculture has been the foundation of African urbanization. The contributors then focus on patterns of migration and urbanization, with an emphasis on the personal and social issues that influence the decision to migrate from rural areas; women's employment in varied activities from selling crafts to managing small businesses; the sometimes unavoidable practice of prostitution when options are limited; the emergence of complex new family formations deriving from access to courts and the continued strength of polygyny; and women's participation in community and political activities. The volume includes material from all regions of sub-Saharan Africa and brings together scholars from all the social sciences.

Plant Sciences Reviews 2012 provides scientists and students with analysis on key topics in current research, including plant diseases, genetics, climate impacts, biofuels and postharvest. Experts such as Frances Seymour, Roger Jones, Paul Christou and Errol Hewitt provide incisive reviews of their fields. Originally published online in CAB Reviews, this volume makes available in printed form the reviews in plant science published during 2012.

This fully revised edition provides a modern overview of the intersection of hydrology, water quality, and water management at the rural-urban interface. The book explores the ecosystem services available in wetlands, natural channels and ponds/lakes. As in the first edition, Part I examines the hydrologic cycle by providing strategies for quantifying each component: rainfall (with NOAA 14), infiltration, evapotranspiration and runoff. Part II examines field and farm scale water quality with an introduction to erosion prediction and water quality. Part III provides a concise examination of water management on the field and farm scale, emphasizing channel design, field control structures, measurement structures, groundwater processes and irrigation principles. Part IV then concludes the text with a treatment of water-scale processes. A comprehensive suite of software tools is available for download, consisting of Excel spreadsheets, with some public domain models such as Mathematica, Maple and TK solver.

The majority of meat, milk, and eggs consumed in the United States are produced in concentrated animal feeding operations (CAFO). With concentrated animal operations, in turn comes concentrated manure accumulation, which can pose a threat of contamination of air, soil, and water if improperly managed. Animal Manure: Production, Characteristics, Environmental Concerns, and Management navigates these important environmental concerns while detailing opportunities for environmentally and economically beneficial utilization.

[ASABE Distinguished Lecture Series](#)

[Allah Made Us](#)

[ASABE Standards](#)

[Mechatronics and Intelligent Systems for Off-road Vehicles](#)

[Cultivation and Utilization](#)

[Transactions of the ASABE](#)

[The Politics of English as a World Language](#)

[Using the Engineering Literature, Second Edition](#)

[Animal Manure](#)

[Tangled](#)

[American Society of Agricultural and Biological Engineers Annual International Meeting \(ASABE 2020\)](#)

The biomass based energy sector, especially the one based on lignocellulosic sources such as switchgrass Miscanthus, forest residues and short rotation coppice, will play an important role in our drive towards renewable energy. The biomass feedstock production (BFP) subsystem provides the necessary material inputs to the conversion processes for energy production. This subsystem includes the agronomic production of energy crops and the physical handling and delivery of biomass, as well as other enabling logistics.

Achieving a sustainable BFP system is therefore paramount for the success of the emerging bioenergy sector. However, low bulk and energy densities, seasonal and weather sensitive availability, distributed supply and lack of commercial scale production experience create unique challenges. Moreover, novel region specific feedstock alternatives continue to emerge. Engineering will play a critical role in addressing these challenges and ensuring the techno-economic feasibility of this sector. It must also integrate with the biological, physical and chemical sciences and incorporate externalities, such as social/economic considerations, environmental impact and policy/regulatory issues, to achieve a truly sustainable system. Tremendous progress has been made in the past few years while new challenges have simultaneously emerged that need further investigation. It is therefore prudent at this time to review the current status and capture the future challenges through a comprehensive book. This work will serve as an authoritative treatise on the topic that can help researchers, educators and students interested in the field of biomass feedstock production, with particular interest in the engineering aspects.

The processing of food is no longer simple or straightforward, but is now a highly inter-disciplinary science. A number of new techniques have developed to extend shelf-life, minimize risk, protect the environment, and improve functional, sensory, and nutritional properties. Since 1999 when the first edition of this book was published, it has facilitated readers' understanding of the methods, technology, and science involved in the manipulation of conventional and newer sophisticated food preservation methods. The Third Edition of the Handbook of Food Preservation provides a basic background in postharvest technology for foods of plant and animal origin, presenting preservation technology of minimally processed foods and hurdle technology or combined methods of preservation. Each chapter compiles the mode of food preservation, basic terminologies, and sequential steps of treatments, including types of equipment required. In addition, chapters present how preservation method affects the products, reaction kinetics and selected prediction models related to food stability, what conditions need be applied for best quality and safety, and applications of these preservation methods in different food products. This book emphasizes practical, cost-effective, and safe strategies for implementing preservation techniques for wide varieties of food products. Features: Includes extensive overview on the postharvest handling and treatments for foods of plants and animal origin Describes comprehensive preservation methods using chemicals and microbes, such as fermentation, antimicrobials, antioxidants, pH-lowering, and nitrite Explains comprehensive preservation by controlling of water, structure and atmosphere, such as water activity, glass transition, state diagram, drying, smoking, edible coating, encapsulation and controlled release Describes preservation methods using conventional heat and other forms of energy, such as microwave, ultrasound, ohmic heating, light, irradiation, pulsed electric field, high pressure, and magnetic field Revised, updated, and expanded with 18 new chapters, the Handbook of Food Preservation, Third Edition, remains the definitive resource on food preservation and is useful for practicing industrial and academic food scientists, technologists, and engineers.

This comprehensive new soybean reference book disseminates key soybean information to “drive success for soybeans via 23 concise chapters covering all aspects of soybeans—from genetics, breeding and quality to post-harvest management, marketing and utilization (food and energy applications), U.S. domestic versus foreign practices and production methods. The most complete and authoritative book on soybeans Features internationally recognized authors in the 21-chapter book Offers sufficient depth to meet the needs of experts in the subject matter, as well as individuals with basic knowledge of the topic

With a roster of international contributors, this volume offers an abundance of solutions to address agricultural water management challenges in today’s water-scarce areas of the world. The authors present studies on farmer-friendly irrigation scheduling methods, model-based analysis of crop water requirements, ways to optimize surface irrigation systems, and hydraulic design and management of surface water systems. The book goes on to highlight ways to improve soil properties by taking into account spatial, temporal, and spectral variability in soil properties. The volume also covers various innovative research studies on soil and water productivity of vegetable cultivation under water-stressed areas, application of coir geotextiles, and the role of biofertilizers in controlling soil degradation and maintaining fertile topsoil. Crop management strategies to enhance the efficient use of marginal and saline lands for nonconventional crops are also discussed. The book is divided into four sections, covering: engineering interventions in irrigation management technological interventions in management of soil properties technological inventions for soil and water conservation crop management for non-conventional use This volume will serve as an invaluable resource for academicians, researchers, engineers, agronomists, extension officers, students, and farmers in the broad discipline of agricultural and biological engineering.

The demand for renewable energies from biomass is growing steadily as policies are enacted to encourage such development and as industry increasingly sees an opportunity to develop bio-energy enterprises. Recent policy changes in the EU, USA and other countries are spurring interest in the cultivation of energy crops such as switchgrass. Switchgrass has gained an early lead in the race to find a biomass feedstock for energy production (and for the almost requisite need for bio-based products from such feedstocks).

Switchgrass: A Valuable Biomass Crop for Energy provides a comprehensive guide to the biology, physiology, breeding, culture and conversion of switchgrass as well as highlighting various environmental, economic and social benefits. Considering this potential energy source, Switchgrass: A Valuable Biomass Crop for Energy brings together chapters from a range of experts in the field, including a foreword from Kenneth P. Vogel, to collect and present the environmental benefits and characteristics of this a crop with the potential to mitigate the risks of global warming by replacing fossil fuels. Including clear figures and tables to support discussions, Switchgrass: A Valuable Biomass Crop for Energy provides a solid reference for anyone with interest or investment in the development of bioenergy; researchers, policy makers and stakeholders will find this a key resource.

[Standards_Engineering_Practices_Data](#)

[Biomass Now](#)

[Hazardous Substance Releases and Reporting Under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 \(CERCLA\) and the Emergency Planning and Community Right-to-Know Act of 1986 \(ERCRA\)](#)

[Tractor design](#)

[New Horizons in Postcolonial Cultural Studies](#)

[ASABE Standards 2010](#)

[Fundamentals and Practices](#)

[ASABE STANDARDS](#)

[Courtyards, Markets, City Streets](#)

[Agricultural Automation](#)

[Emerging Technologies in Agricultural Engineering](#)

The complex politics of English as a world language provides the backdrop both for linguistic studies of varieties of English around the world and for postcolonial literary criticism. The present volume offers contributions from linguists and literary scholars that explore this common ground in a spirit of open interdisciplinary dialogue. Leading authorities assess the state of the art to suggest directions for further research, with substantial case studies ranging over a wide variety of topics - from the legitimacy of language norms of lingua franca communication to the recognition of newer post-colonial varieties of English in the online OED. Four regional sections treat the Caribbean (including the diaspora), Africa, the Indian subcontinent, and Australasia and the Pacific Rim. Each section maintains a careful balance between linguistics and literature, and external and indigenous perspectives on issues. The book is the most balanced, complete and up-to-date treatment of the topic to date.

With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans While the award-winning first edition of Using the Engineering Literature used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. Using the Engineering Literature, Second Edition provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

Animal Science Reviews 2012 provides scientists and students in animal science with timely analysis on key topics in current research. Originally published online in CAB Reviews, this volume makes available in printed form the reviews in animal science published during 2012.

This book covers an array of issues on emerging agricultural engineering and technology, featuring new research and studies. The volume is broken into three parts: emerging technologies, energy management in agriculture, and management of natural resources, in which particular attention is paid to water management, a necessary consideration for successful crop production, especially in water-scarce regions. Topics include: alleviating drainage congestion solar energy for agriculture anaerobic digestion by inoculation with compost self-propelled inter-cultivators agrobiodiversity watershed development and management This volume offers academia, engineers, technologists, students, and others from different disciplines information to gain knowledge on the breadth and depth of this multifaceted field of agricultural engineering. There is an urgent need to explore and investigate the current shortcomings and challenges of the current innovations and challenges.

Agricultural automation is the core technology for computer-aided agricultural production management and implementation. An integration of equipment, infotronics, and precision farming technologies, it creates viable solutions for challenges facing the food, fiber, feed, and fuel needs of the human race now and into the future. Agricultural Automation: Fundamentals and Practices provides a comprehensive introduction of automation technologies for agriculture. From basics to applications, topics in this volume include: Agricultural vehicle robots and infotronic systems Precision agriculture, with its focus on efficiency and efficacy of agricultural inputs and the spatial and temporal management of agricultural systems Specific agricultural production systems, including those related to field crops, cotton, orchards and vineyards, and animal housing and production Automation relative to specific inputs in agricultural production systems, such as nutrition management and automation, automation of pesticide application systems, and automated irrigation management with soil and canopy sensing Liability issues with regard to surrounding awareness and worksite management Postharvest automation—perhaps the most advanced component of agricultural production in terms of automation and an important factor in global agriculture Agricultural mechanization, one of the top ranked engineering accomplishments in the past century, has created revolutionary change in crop production technology and made it possible to harvest sufficient products to meet the population's continuously growing needs. Continued progress is essential to the future of agriculture. This book provides an up-to-date overview of the current state of automated agriculture and important insight into its upcoming challenges.

[Standards_Engineering_Practices_Data](#)

[Switchgrass](#)

[ASABE Standards 2008](#)

[Soybeans](#)

[Hazardous Substance Releases and Reporting Under the Comprehensive Environmental Response...., Serial No. 110-151, September 24, 2008, 110-2 Hearing, *](#)

[Urban Women In Africa](#)

[Hausa](#)

[Chemistry, Production, Processing, and Utilization](#)

[ASABE Monograph](#)

[A Valuable Biomass Crop for Energy](#)

[Plant Sciences Reviews 2012](#)

Given the environmental concerns and declining availability of fossil fuels, as well as the growing population worldwide, it is essential to move toward a sustainable bioenergy-based economy. However, it is also imperative to address sustainability in the bioenergy industry in order to avoid depleting necessary biomass resources. Sustainable Bioenergy Production provides comprehensive knowledge and skills for the analysis and design of sustainable biomass production, bioenergy processing, and biorefinery systems for professionals in the bioenergy field. Focusing on topics vital to the sustainability of the bioenergy industry, this book is divided into four sections: Fundamentals of Engineering Analysis and Design of Bioenergy Production Systems, Sustainable Biomass Production and Supply Logistics, Sustainable Bioenergy Processing, and Sustainable Biorefinery Systems. Section I covers the fundamentals of genetic engineering, novel breeding, and cropping technologies applied in the development of energy crops. It discusses modern computational tools used in the design and analysis of bioenergy production systems and the life-cycle assessment for evaluating the environmental sustainability of biomass production and bioenergy processing technologies. Section II focuses on the technical and economic feasibility and environmental sustainability of various biomass feedstocks and emerging technologies to improve feedstock sustainability. Section III addresses the technical and economic feasibility and environmental sustainability of different bioenergy processing technologies and emerging technologies to improve the sustainability of each bioenergy process. Section IV discusses the design and analysis of biorefineries and different biorefinery systems, including lignocellulosic feedstock, whole-crop, and green biorefinery.

The processing of food is no longer simple or straightforward, but is now a highly inter-disciplinary science. A number of new techniques have developed to extend shelf-life, minimize risk, protect the environment, and improve functional, sensory, and nutritional properties. The ever-increasing number of food products and preservation techniques cr

A rich and engrossing account of 'sexual outlaws' in the Hausa-speaking region of northern Nigeria, where Islamic law requires strict separation of the sexes and different rules of behavior for women and men in virtually every facet of life. The first ethnographic study of sexual minorities in Africa, and one of very few works on sexual minorities in the Islamic world Engagingly written, combining innovative, ethnographic narrative with analyses of sociolinguistic transcripts, historical texts, and popular media, including video, film, newspapers, and song-poetry Analyzes the social experiences and expressive culture of 'yan daudu (feminine men in Nigerian Hausaland) in relation to local, national, and global debates over gender and sexuality at the turn of the twenty-first century Winner of the 2009 Ruth Benedict Prize in the category of "Outstanding Monograph"

Rapid developments in electronics over the past two decades have induced a move from purely mechanical vehicles to mechatronics design. Recent advances in computing, sensors, and information technology are pushing mobile equipment design to incorporate higher levels of automation under the novel concept of intelligent vehicles. Mechatronics and Intelligent Systems for Off-road Vehicles introduces this concept, and provides an overview of recent applications and future approaches within this field.

*Several case studies present real examples of vehicles designed to navigate in off-road environments typically encountered by agriculture, forestry, and construction machines. The examples analyzed describe and illustrate key features for agricultural robotics, such as automatic steering, safeguarding, mapping, and precision agriculture applications. The eight chapters include numerous figures, each designed to improve the reader's comprehension of subjects such as:
• automatic steering systems;
• navigation systems;
• vehicle architecture;
• image processing and vision; and
• three-dimensional perception and localization. Mechatronics and Intelligent Systems for Off-road Vehicles will be of great interest to professional engineers and researchers in vehicle automation, robotics, and the application of artificial intelligence to mobile equipment; as well as to graduate students of mechanical, electrical, and agricultural engineering.*

This two-volume book on biomass is a reflection of the increase in biomass related research and applications, driven by overall higher interest in sustainable energy and food sources, by increased awareness of potentials and pitfalls of using biomass for energy, by the concerns for food supply and by multitude of potential biomass uses as a source material in organic chemistry, bringing in the concept of bio-refinery. It reflects the trend in broadening of biomass related research and an increased focus on second-

generation bio-fuels. Its total of 40 chapters spans over diverse areas of biomass research, grouped into 9 themes.

[Engineering and Science of Biomass Feedstock Production and Provision](#)

[Working Papers](#)

[Handbook of Food Preservation](#)

[English for Nigerians](#)

[Basic Course](#)

[Online, 13-15 July 2020](#)

[Sexual Outlaws in an Islamic African City](#)

[Animal Science Reviews 2012](#)

[2019 Asabe](#)

[Production_Characteristics_Environmental_Concerns_and_Management](#)

[Engineering Hydrology for Natural Resources Engineers](#)

A two-volume comprehensive guide with information on obtaining scholastic grants, scholarships and other financial resources to be used for educational expenses.

[Current Approaches to African Linguistics](#)

[American Society of Agricultural and Biological Engineers Publication](#)

[Ferguson Career Resource Guide to Grants, Scholarships, and Other Financial Resources, 2-Volume Set](#)

[Hearing Before the Subcommittee on Environment and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred Tenth Congress, Second Session, September 24, 2008](#)

[ASABE Standards 2007](#)

[Sustainable Bioenergy Production](#)

[Technological Interventions in Management of Irrigated Agriculture](#)