

The Natural Products Journal Bentham Impact Factor

The menstrual product industry has played a large role in shaping the last hundred years of menstrual culture, from technological innovation to creative advertising, education in classrooms and as employers of thousands in factories around the world. How much do we know about this sector and how has it changed in later decades? What constitutes 'the industry', who works in it, and how is it adapting to the current menstrual equity movement? Cash Flow provides a new academic study of the menstrual corporate landscape that links its twentieth-century origins to the current 'menstrual moment'. Drawing on a range of previously unexplored archival materials and interviews with industry insiders, each chapter examines one key company and brand: Saba in Norway, Essity in Sweden, Tambrands in the Soviet Union, Procter & Gamble in Britain and Europe, Kimberly-Clark in North America, and start-ups Clue and Thinx. By engaging with these corporate collections, the book highlights how the industry has survived as its consumers continually change.

Olga Tufnell (1905-85) was a British archaeologist working in Egypt, Cyprus and Palestine in the 1920s and 1930s, a period often described as a golden age of archaeological discovery. For the first time, this book presents Olga's account of her experiences in her own words. Based largely on letters home, the text is accompanied by dozens of photographs that shed light on personal experiences of travel and dig life at this extraordinary time. Introductory material by John D.M. Green and Ros Henry provides the social, historical, biographical and archaeological context for the overall narrative. The letters offer new insights into the social and professional networks and history of archaeological research, particularly for Palestine under the British Mandate. They provide insights into the role of foreign archaeologists, relationships with local workers and inhabitants, and the colonial framework within which they operated during turbulent times. This book will be an important resource for those studying the history of archaeology in the Eastern Mediterranean, particularly for the sites of Qau el-Kebir, Tell Fara, Tell el-'Ajjul and Tell ed-Duweir (ancient Lachish). Moreover, Olga's lively style makes this a fascinating personal account of archaeology and travel in the interwar era.

At the end of the eighteenth century, Jeremy Bentham devised a scheme for a prison that he called the panopticon. It soon became an obsession. For twenty years he tried to build it; in the end he failed, but the story of his attempt offers fascinating insights into both Bentham's complex character and the ideas of the period. Basing her analysis on hitherto unexamined manuscripts, Janet Semple chronicles Bentham's dealings with the politicians as he tried to put his plans into practice. She assesses the panopticon in the context of penal philosophy and eighteenth-century punishment and discusses it as an instrument of the modern technology of subjection as revealed and analysed by Foucault. Her entertainingly written study is full of drama: at times it is hilariously funny, at others it approaches

tragedy. It illuminates a subject of immense historical importance and which is particularly relevant to modern controversies about penal policy.

Frontiers in Clinical Drug Research - Anti-Cancer Agents is a book series intended for pharmaceutical scientists, postgraduate students and researchers seeking updated and critical information for developing clinical trials and devising research plans in anti-cancer research. Reviews in each volume are written by experts in medical oncology and clinical trials research and compile the latest information available on special topics of interest to oncology and pharmaceutical chemistry researchers. The seventh volume of the book features reviews on these topics: · Essential oils and monoterpenes as potential anti-cancer agents · Drug delivery systems and emerging immunotherapeutic strategies for the treatment of glioblastoma · CTDNA in solid tumors · Cholesterol treatments (including Pitavastatin) and their potential in cancer treatment

Applications of NMR Spectroscopy:

Morality and Self-Interest in British Moral Philosophy from Hobbes to Bentham

Bioactive Natural Products (Part K)

Bioactive Phytochemicals

Evaluation of Environmental Contaminants and Natural Products: A Human Health Perspective

Frontiers in Natural Product Chemistry: Volume 6

Information is a recognized fundamental notion across the sciences and humanities, which is crucial to understanding physical computation, communication, and human cognition. The Philosophy of Information brings together the most important perspectives on information. It includes major technical approaches, while also setting out the historical backgrounds of information as well as its contemporary role in many academic fields. Also, special unifying topics are high-lighted that play across many fields, while we also aim at identifying relevant themes for philosophical reflection. There is no established area yet of Philosophy of Information, and this Handbook can help shape one, making sure it is well grounded in scientific expertise. As a side benefit, a book like this can facilitate contacts and collaboration among diverse academic milieus sharing a common interest in information. • First overview of the formal and technical issues involved in the philosophy of information • Integrated presentation of major mathematical approaches to information, from computer science, information theory, and logic • Interdisciplinary themes across the traditional boundaries of natural sciences, social sciences, and humanities.

Unbridled urbanization and development of natural land resources has led to the degradation of our surrounding environment. The air that we breathe, the water we drink and the food we eat is at risk of being contaminated with a plethora of chemical pollutants, some of them being potentially carcinogenic. This presents a challenge to human health. This book attempts to address this challenge in two parts which represent two different approaches. The first part of the book summarizes the alarming effects of environmental contaminants. Various studies depicting the direct relationship of environmental contaminants with cancer incidence have been referenced. Scientific studies have established an inverse relation between cancer and ingestion of dietary phytoconstituents (phytochemicals) in the form of fruits, vegetables and botanical herbs. Plant products as dietary supplements can suppress contaminant toxicity by

regulating the resulting reactive species and also by assisting their bodily excretion through Phase 1 and Phase 2 enzyme metabolism. The second part of the book, shifts focus to phytoconstituents which, if included in diet, can prevent the harmful effects of pollutants. The text references numerous studies showing the anti-mutagenic, anti-genotoxic and anti-carcinogenic potential of many plant products. The combination of information about contemporary issues of carcinogenic contaminants in the environment coupled with the references to relevant studies in this handbook will enlighten readers studying courses in environmental chemistry, toxicology, botany, and ecology about environmental toxins and help them understand specific dietary measures known to reduce the toxic impact. Researchers in the field of nutrition can also benefit from the information provided.

This book examines the constitutional theory of a selection of authors from the fifteenth century to the early nineteenth. Focusing on major political and theorists whose work on constitutional theory has been neglected, the volume unearths an untold story of the development of constitutional thought in the context of broader political thought. Authors discussed include Fortescue, Coke, Sorell, Locke, Harrington, Hume, Blackstone, Bentham, Montesquieu, Rousseau, l'abbé de Sieyès, de Maistre, Madison, Hamilton, Jefferson, Adams, Paine, and the Levellers. The contributors to this volume come from a variety of academic backgrounds: law, history, and political theory and the essays reflect the different disciplinary perspectives.

Does being virtuous make you happy? In this book, Roger Crisp examines the answers to this ancient question provided by the so-called 'British Moralists', from Thomas Hobbes, around 1650, for the next two hundred years, until Jeremy Bentham. This involves elucidating their views on happiness (self-interest, or well-being) and on virtue (or morality), in order to bring out the relation of each to the other. Themes ran through many of these writers: psychological egoism, evaluative hedonism, and - after Hobbes - the acceptance of self-standing moral reasons. But there are exceptions, and even those taking the standard views adopt them for very different reasons and express them in various ways. As the ancients tended to believe that virtue and happiness largely coincide, so these modern authors are inclined to accept posthumous reward and punishment. Both positions sit uneasily with the common-sense idea that a person can truly sacrifice their own good for the sake of morality or for others. Roger Crisp shows that David Hume - a hedonist whose ethics made no appeal to the afterlife - was the first major British moralist to allow for, indeed to recommend, such self-sacrifice. Morality and well-being of course remain central to modern ethics, and Crisp demonstrates how much there is to learn from this remarkable group of philosophers.

Bentham's Theory of Law and Public Opinion

Understanding populism through big data

Advances in Organic Synthesis: Volume 10

Jeremy Bentham's Economic Writings

Collections in circulation

Knowledge Sovereignty Among African Cattle Herders

A collection of essays reassessing Jeremy Bentham's strikingly original legal philosophy. How was the Roman Empire invoked in Brexit Britain and in Donald Trump's United States of America, and to what purpose? And why is it critical to answer these kinds of questions? Heritage and Nationalism explores how people's perceptions and experiences of the ancient past shape political identities in the digital age. It particularly examines the multiple ways in which politicians, parties and private citizens mobilise aspects of the Iron Age, Roman and Medieval past of Britain and Europe to include or exclude 'others' based on culture, religion, class, race, ethnicity, etc. Chiara Bonacchi draws on the results of an extensive programme of

research involving both data-intensive and qualitative methods to investigate how pre-modern periods are leveraged to support or oppose populist nationalist arguments as part of social media discussions concerning Brexit, the Italian Election of 2018 and the US-Mexican border debate in the US. Analysing millions of tweets and Facebook posts, comments and replies, this book is the first to use big data to answer questions about public engagement with the past and identity politics. The findings and conclusions revise and reframe the meaning of populist nationalism today and help to build a shared basis for the democratic engagement of citizens in public life in the future. The book offers a fascinating and unmissable read for anyone interested in how the past and its contemporary legacy, or 'heritage', influence our 'political' thinking and feeling in a time of hyper-interconnectivity.

This work explores the relationship between Bentham's utilitarian practical philosophy and his positivist jurisprudence. These theories appear to be in tension because his utilitarian commitment to the sovereignty of utility as a practical decision principle seems inconsistent with his positivist insistence on the sovereignty of the will of the lawmaker. Two themes emerge from the attempt in this work to reconcile these two core elements of Bentham's practical thought. First, Bentham's conception of law does not fit the conventional model of legal positivism. Bentham was not just a utilitarian and a positivist; he was a positivist by virtue of his commitment to a utilitarian understanding of the fundamental task of law. Moreover, his emphasis on the necessary publicity and the systemic character of law, led him to insist on an essential role for utilitarian reasons in the regular public functioning of law. Second, Bentham's radical critique of common law theory and practice convinced him of the necessity to reconcile the need for certainty of law with an equally great need for its flexibility. He eventually developed a constitutional framework for adjudication in the shadow of codified law that accorded to judges discretion to decide particular cases according to their best judgment of the balance of utilities, guaranteeing the accountability and appropriate motivation of judicial decision-making through institutional incentives. The original text of this work, first published in 1986, remains largely unchanged, but an afterword reconsiders and revises some themes in response to criticism.

Recent research has demonstrated that, in the Roman, Late Antique, Early Islamic and Medieval worlds, glass was traded over long distances, from the Eastern Mediterranean, mainly Egypt and Israel, to Northern Africa, the Western Mediterranean and Northern Europe. Things that Travelled, a collaboration between the UCL Early Glass Technology Research Network, the Association for the History of Glass and the British Museum, aims to build on this knowledge. Covering all aspects of glass production, technology, distribution and trade in Roman, Byzantine and Early Medieval/Early Islamic times, including studies from Britain, Egypt, Cyprus, Italy and many others, the volume combines the strengths of the sciences and cultural studies to offer a new approach to research on ancient glass. By bringing together such a varied mix of contributors, specialising in a range of geographical areas and chronological time frames, this volume also offers a valuable contribution to broader discussions on glass within political, economic, cultural and historical arenas.

Innovation in Open Science, Society and Policy

The Political Thought of Jeremy Bentham

Studies in Natural Products Chemistry

A Study of the Panopticon Penitentiary

Utility and Democracy

Frontiers in Chemistry: Rising Stars

By portraying the circumstances of people living with chronic conditions in radically different contexts, from Alzheimer's patients in the UK to homeless people with psychiatric disorders in India, Managing Chronicity in Unequal States offers glimpses of what dealing with medically complex conditions in stratified societies

means. While in some places the state regulates and intrudes on the most intimate aspects of chronic living, in others it is utterly and criminally absent. Either way, it is a present/absent actor that deeply conditions people's opportunities and strategies of care. This book explores how individuals, groups and communities navigate uncertain and unequal healthcare systems, in which inherent moral judgements on human worth have long-lasting effects on people's wellbeing. This is key reading for anyone wishing to deconstruct the issues at stake when analysing how care and chronicity are entangled with multiple institutional, economic, and other circumstantial factors. How people access the available informal and formal resources as well as how they react to official diagnoses and decisions are important facets of the management of chronicity. In the arena of care, people with chronic conditions find themselves negotiating restrictions and handling issues of power and (inter)dependency in relationships of inequality and proximity. This is particularly relevant in current times, when care has given in to the lure of the market, and the possibility of living a long and fulfilling life has been drastically reduced, transformed into a 'reward' for the few who have been deemed worthy of it.

Natural products continue to play a key role in drug development. A recent analysis of the drug market in the developed world revealed that 40% of total clinically approved drugs were either unmodified natural products or their semi-synthetic derivatives. This book series focuses on reviews of exciting new bioactive natural products that have huge potential as drugs. It highlights the everlasting importance of natural products in our lives. Each volume presents comprehensive reviews in cutting edge fields contributed by eminent scientists. The first volume covers the following topics: bioactive compounds from marine invertebrates natural product derived drugs for immunological and inflammatory diseases clinical trials of curcumin, camptothecin, astaxanthin, and biochanin antibacterial and antifungal drugs from natural sources natural products as anti-HIV medicines Applications of NMR Spectroscopy, Volume 2, originally published by Bentham and now distributed by Elsevier, presents the latest developments in the field of NMR spectroscopy, including the analysis of plant polyphenols, the role of NMR spectroscopy in neuroradiology, NMR-based sensors, studies on protein and nucleic acid structure and function, and mathematical formations for NMR spectroscopy in structural biology. The fully illustrated chapters contain comprehensive references to the recent literature. The applications presented cover a wide range of the field, such as drug development, medical imaging and diagnostics, food science, mining, petrochemical, process control, materials science, and chemical engineering, making this resource a multi-disciplinary reference with broad applications. The content is ideal for readers who are seeking reviews and updates, as it consolidates scientific articles of a diverse nature into a single volume. Sections are organized based on disciplines, such as food science and medical diagnostics. Each chapter is written by eminent experts in the field. Consolidates the latest developments in NMR spectroscopy into a single volume Authored and edited by world-leading experts in spectroscopy Features comprehensive references to the most recent related literature More than 65 illustrations aid in the retention of key concepts

The Frontiers in Chemistry Editorial Office team are delighted to present the inaugural "Frontiers in Chemistry: Rising Stars" article collection, showcasing the high-quality work of internationally recognized researchers in the early stages of their independent careers. All Rising Star researchers featured within this collection

were individually nominated by the Journal's Chief Editors in recognition of their potential to influence the future directions in their respective fields. The work presented here highlights the diversity of research performed across the entire breadth of the chemical sciences, and presents advances in theory, experiment and methodology with applications to compelling problems. This Editorial features the corresponding author(s) of each paper published within this important collection, ordered by section alphabetically, highlighting them as the great researchers of the future. The Frontiers in Chemistry Editorial Office team would like to thank each researcher who contributed their work to this collection. We would also like to personally thank our Chief Editors for their exemplary leadership of this article collection; their strong support and passion for this important, community-driven collection has ensured its success and global impact. Laurent Mathey, PhD Journal Development Manager

Biologically Active Natural Products from Asia and Africa: A Selection of Topics

Coumarin and Its Derivatives

De Gustibus

Heritage and Nationalism

Cash Flow

Volume Two

Intended for academics and students who are interested in legal and political philosophy and in intellectual and legal history, this volume brings together the latest research from leading Bentham scholars and challenges the dominant understandings of Bentham among legal and political philosophers.

Natural products play an integral and ongoing role in promoting numerous aspects of scientific advancement, and many aspects of basic research programs are intimately related to natural products. With articles written by leading authorities in their respective fields of research, Studies in Natural Products Chemistry, Volume 37 presents current frontiers and future guidelines for research based on important discoveries made in the field of bioactive natural products. It is a valuable source for researchers and engineers working in natural products and medicinal chemistry. Describes the chemistry of bioactive natural products Contains contributions by leading authorities in the field A valuable source for researchers and engineers working in natural product and medicinal chemistry

Natural bioactive compounds from medicinal plants are inexplicably diverse in chemical structure and biological properties. The unmet therapeutic requirements for various diseases serve as a guide for researchers to study natural compounds. These studies are intended to isolate, identify the structural characterization and eventually discover the pharmacological activity of natural compounds from their plant sources with the goal of treating specific diseases. Bioactive

Phytochemicals: Drug Discovery to Product Development explores the scope and approaches of drug discovery from natural products. Chapters in the book cover information about the cultivation, collection and processing of medicinal plants, the methods and high throughput techniques for isolation and characterization of bioactive phytochemicals and pharmacological screening for activity, formulation and quality control. Information about the regulations specified for natural medicinal products in different region of the world is also presented, followed by a concluding chapter devoted to the role of natural herbal products for treatment of human diseases such as cancer, cardiovascular diseases, diabetes, obesity, inflammation and neurological disorders. Each chapter concludes with a general

reference section, which is a bibliographic guide to more advanced texts. The contributing authors for this volume are drawn from a rich blend of experts in various areas of herbal medicine which encompass herbal drug discovery to product development. The concise and organized layout along with a broad coverage of phytochemistry and drug discovery makes this book a suitable reference for students of medicinal chemistry, researchers and industry professionals interested in herbal product development.

In Kenya, cultural and natural heritage has a particular value. Its pre-historic heritage not only tells the story of man's origin and evolution but has also contributed to the understanding of the earth's history: fossils and artefacts spanning over 27 million years have been discovered and conserved by the National Museums of Kenya (NMK). Alongside this, the steady rise in the market value of African art has also affected Kenya. Demand for African tribal art has surpassed that for antiquities of Roman, Byzantine, and Egyptian origin, and in African countries currently experiencing conflicts, this activity invariably attracts looters, traffickers and criminal networks. This book brings together essays by heritage experts from different backgrounds, including conservation, heritage management, museum studies, archaeology, environment and social sciences, architecture and landscape, geography, philosophy and economics to explore three key themes: the underlying ethics, practices and legal issues of heritage conservation; the exploration of architectural and urban heritage of Nairobi; and the natural heritage, landscapes and sacred sites in relation to local Kenyan communities and tourism. It thus provides an overview of conservation practices in Kenya from 2000 to 2015 and highlights the role of natural and cultural heritage as a key factor of social-economic development, and as a potential instrument for conflict resolution

Managing Chronicity in Unequal States

Conservation of Natural and Cultural Heritage in Kenya

The Molecular Immunology of Neurological Diseases

Plant and Algal Hydrogels for Drug Delivery and Regenerative Medicine

Letters and photographs of an archaeologist in the Levant and Mediterranean

Philosophy of Information

Advances in Organic Synthesis is a book series devoted to the latest advances in synthetic approaches towards challenging structures. The series presents comprehensive reviews written by eminent authorities on different synthetic approaches to selected target molecules and new methods developed to achieve specific synthetic transformations or optimal product yields. **Advances in Organic Synthesis** is essential for all organic chemists in academia and the industry who wish to keep abreast of rapid and important developments in the field.

Frontiers in Natural Product Chemistry is a book series devoted to publishing monographs that highlight important advances in natural product chemistry. The series covers all aspects of research in the chemistry and biochemistry of naturally occurring compounds, including research on

natural substances derived from plants, microbes and animals. Reviews of structure elucidation, biological activity, organic and experimental synthesis of natural products as well as developments of new methods are also included in the series. The fourth volume of the series brings seven reviews covering these topics: -natural antiamebic medicines, analgesics and antimalarials -essential oils and cognitive performance -cannabis and drug development -lectins in biosensors -brassinosteroids Biosocial Worlds presents state-of-the-art contributions to anthropological reflections on the porous boundaries between human and non-human life – biosocial worlds. Based on changing understandings of biology and the social, it explores what it means to be human in these worlds. Growing separation of scientific disciplines for more than a century has maintained a separation of the 'natural' and the 'social' that has created a space for projections between the two. Such projections carry a directional causality and so constitute powerful means to establish discursive authority. While arguing against the separation of the biological and the social in the study of human and non-human life, it remains important to unfold the consequences of their discursive separation. Based on examples from Botswana, Denmark, Mexico, the Netherlands, Uganda, the UK and USA, the volume explores what has been created in the space between 'the social' and 'the natural', with a view to rethink 'the biosocial'. Health topics in the book include diabetes, trauma, cancer, HIV, tuberculosis, prevention of neonatal disease and wider issues of epigenetics. Many of the chapters engage with constructions of health and disease in a wide range of environments, and engage with analysis of the concept of 'environment'. Anthropological reflection and ethnographic case studies explore how 'health' and 'environment' are entangled in ways that move their relation beyond interdependence to one of inseparability. The subtitle of this volume captures these insights through the concept of 'health environment', seeking to move the engagement of anthropology and biology beyond deterministic projections. Many aspects of basic research programmes are intimately related to natural products. With articles written by leading authorities in their respective fields of research, Studies in Natural Products Chemistry, Volume 30 presents

current frontiers and future guidelines for research based on important discoveries made in the field of bioactive natural products. It is a valuable source for researchers and engineers working in natural product, and medicinal chemistry. * Describes the chemistry of bioactive natural products * Contains contributions by leading authorities in the field * A valuable source for researchers and engineers working in natural product, and medicinal chemistry
The businesses of menstruation
Anthropology of health environments beyond determinism
Heritage Futures

Drug Discovery to Product Development **Ethnographic perspectives on caring**

This book provides a broad overview of the key concepts in public archaeology, a research field that examines the relationship between archaeology and the public, in both theoretical and practical terms. While based on the long-standing programme of undergraduate and graduate teaching in public archaeology at UCL's renowned Institute of Archaeology, the book also takes into account the growth of scholarship from around the world and seeks to clarify what exactly 'public archaeology' is by promoting an inclusive, socially and politically engaged vision of the discipline. Written for students and practitioners, the individual chapters provide textbook-level introductions to the themes, theories and controversies that connect archaeology to wider society, from the trade in illicit antiquities to the use of digital media in public engagement, and point readers to the most relevant case studies and learning resources to aid their further study. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at <https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher> Praise for Key Concepts in Archaeology 'Littered throughout with concise and well-chosen case studies, Key Concepts in Public Archaeology could become essential reading for undergraduates and is a welcome reminder of where archaeology sits in UK society today.'
British Archaeology

Mobile Museums presents an argument for the importance of circulation in the study of museum collections, past and present. It brings together an impressive array of international scholars and curators from a wide variety of

disciplines - including the history of science, museum anthropology and postcolonial history - to consider the mobility of collections. The book combines historical perspectives on the circulation of museum objects in the past with contemporary accounts of their re-mobilisation, notably in the context of Indigenous community engagement. Contributors seek to explore processes of circulation historically in order to re-examine, inform and unsettle common assumptions about the way museum collections have evolved over time and through space. By foregrounding questions of circulation, the chapters in Mobile Museums collectively represent a fundamental shift in the understanding of the history and future uses of museum collections. The book addresses a variety of different types of collection, including the botanical, the ethnographic, the economic and the archaeological. Its perspective is truly global, with case studies drawn from South America, West Africa, Oceania, Australia, the United States, Europe and the UK. Mobile Museums helps us to understand why the mobility of museum collections was a fundamental aspect of their history and why it continues to matter today. Praise for Mobile Museums 'This book advances a paradigm shift in studies of museums and collections. A distinguished group of contributors reveal that collections are not dead assemblages. The nineteenth and twentieth centuries were marked by vigorous international traffic in ethnography and natural history specimens that tell us much about colonialism, travel and the history of knowledge - and have implications for the remobilisation of museums in the future.' - Nicholas Thomas, University of Cambridge 'The first major work to examine the implications and consequences of the migration of materials from one scientific or cultural milieu to another, it highlights the need for a more nuanced understanding of collections and offers insights into their potential for future re-mobilisation.' - Arthur MacGregor

This volume presents different aspects related to bioactive compounds, starting with their natural state in raw sources, physicochemical characterization and employment in pharmacy and medicine. The volume is divided into three parts. The first part describes the chemicals structure of bioactive compounds from different natural sources such as olive oils, wines, and medicinal plants. Special attention has been

given to identifying the bioactive composition within variations of these natural sources (for example, extra virgin, ordinary or lampante olive oils). The second part of the volume presents the principal methods used for detecting, identifying and quantifying bioactive compounds. Emphasis is given to the use of different types of sensors or biosensors, and multisensor systems in combination with analytical techniques. The final part explains the principal methods for protection of bioactive compounds and the implication of bioactive compounds in pharmacy. This volume is a useful guide for novice researchers interested in learning research methods to study bioactive compounds. *Frontiers in Bioactive Compounds* brings edited reviews on the analysis and characterization of natural compounds of medicinal interest. Each volume covers useful information on a variety of natural sources as well as analytical techniques. This series is essential reading for analytical and medicinal chemists as well as professionals involved in natural and pharmaceutical product research and development. Citizen science, the active participation of the public in scientific research projects, is a rapidly expanding field in open science and open innovation. It provides an integrated model of public knowledge production and engagement with science. As a growing worldwide phenomenon, it is invigorated by evolving new technologies that connect people easily and effectively with the scientific community. Catalysed by citizens' wishes to be actively involved in scientific processes, as a result of recent societal trends, it also offers contributions to the rise in tertiary education. In addition, citizen science provides a valuable tool for citizens to play a more active role in sustainable development. This book identifies and explains the role of citizen science within innovation in science and society, and as a vibrant and productive science-policy interface. The scope of this volume is global, geared towards identifying solutions and lessons to be applied across science, practice and policy. The chapters consider the role of citizen science in the context of the wider agenda of open science and open innovation, and discuss progress towards responsible research and innovation, two of the most critical aspects of science today.

Citizen Science

Olga Tufnell's 'Perfect Journey'

Natural Products in Clinical Trials Volume

Mediterranean Glass in the First Millennium AD

*Frontiers in Clinical Drug Research - Anti-Cancer Agents:
Volume 7*

Bentham and the Common Law Tradition

This volume contains all the writings that are grouped around Bentham's boldest idea - the proposal of a 'circulating currency': a government sponsored currency which would be both a kind of savings certificate and a kind of paper money. The roots of this proposal are illustrated in two pamphlets from 1794-96, along with subsequent pamphlets and discussions which show Bentham's unsuccessful negotiations with the treasury on this matter.

The Molecular Immunology of Neurological Diseases provides a comprehensive review of current updates in molecular immunogenetics of different neurological diseases. Readers will learn about the role of immune cells and their modulation strategies to help in the development of therapeutic approaches for both acute and chronic neurodegenerative disorders. There is no other book available on the topic. It has long been thought that the brain is an immune-privilege organ with very limited immune response. However recent studies have made clear that both systemic 'brain' and peripheral 'blood' immune cell responses play key roles in determining brain pathology in neurodegenerative disorders. This book summarizes the role of immune cell activation in the central nervous system microenvironment in acute and chronic neurodegenerative disorders. In addition, it discusses the key role of immune cells and their modulation strategies for the development of current therapeutic approaches.

Discusses the molecular immunogenetics of different neurological diseases Covers strategies for the development of therapeutic approaches Encompasses both acute and chronic neurodegenerative disorders Describes the molecular pathogenesis of viral genes in various diseases Features chapters on migraine, muscular dystrophy and cancer

Frontiers in Natural Product Chemistry is a book series devoted to publishing monographs that highlight important advances in natural product chemistry. The series covers all aspects of research in the chemistry and biochemistry of naturally occurring compounds, including research on natural substances derived from plants, microbes and animals. Reviews of structure elucidation, biological activity, organic and experimental synthesis of natural products as well as developments of new methods are also included in the series. The sixth volume of the series brings five reviews covering these topics: - Plant protein hydrolyzates from underutilized agricultural and agroindustrial sources: production, characterization and bioactive properties - New developments in the quinolone class of antibacterial drugs - Structure of fine starch prepared via a compressed hot water process - Major metabolites of certain marketed plant alkaloids - Natural products in cancer chemoprevention and chemotherapy

Preservation of natural and cultural heritage is often said to be something that is done for the future, or on behalf of future generations, but the precise relationship of such practices to the future is rarely reflected upon. Heritage Futures draws on research undertaken over four years by an interdisciplinary, international team of 16 researchers and more than 25 partner organisations to explore the role of heritage and heritage-like practices in building future worlds. Engaging broad themes such as diversity, transformation, profusion and uncertainty, Heritage Futures aims to understand how a

range of conservation and preservation practices across a number of countries assemble and resource different kinds of futures, and the possibilities that emerge from such collaborative research for alternative approaches to heritage in the Anthropocene. Case studies include the cryopreservation of endangered DNA in frozen zoos, nuclear waste management, seed biobanking, landscape rewilding, social history collecting, space messaging, endangered language documentation, built and natural heritage management, domestic keeping and discarding practices, and world heritage site management.

1

Essays on Bentham's Moral and Legal Philosophy

Comparative Approaches to Natural and Cultural Heritage Practices

Utility, Publicity, and Law

A Fragment on Government

Biosocial Worlds

Beni-Amer cattle owners in the western part of the Horn of Africa are not only masters in cattle breeding, they are also knowledge sovereign, in terms of owning productive genes of cattle and a cognitive knowledge base crucial to sustainable development. The strong bonds between the Beni-Amer, their animals, and their environment constitute the basis of their ways of knowing, and the knowledge system is built on experience and embedded in their cultural practices. In this book, the first to study Beni-Amer practices, Zeremariam Fre argues for the importance of this knowledge, challenging the preconceptions that regard it as untrustworthy when compared to scientific knowledge from more developed regions. Empirical evidence suggests that there is much one could learn from the other, since elements of pastoralist technology, such as those related to animal production and husbandry, make a direct contribution to our knowledge of livestock production. It is this potential for hybridisation, as well as the resilience of the herders, at the heart of the indigenous knowledge system. Fre also argues that indigenous knowledge can be viewed as a stand-alone science, and that a community's rights over ownership should be defended by government officials, development planners and policy makers, making the case for a celebration of the knowledge sovereignty of pastoralist communities. Praise for Knowledge Sovereignty Among African Cattle Herders 'This book greatly contributes to the limited literature on theoretical discourses and practices on indigenous knowledge of livestock herding communities in the Horn of Africa. It discusses knowledge heritage and sovereignty through the presentation of valid empirical evidence, and its subsequent relevance in nurturing sustainability of knowledge systems to enrich the lives of pastoralists in Africa and beyond.' Samuel Tefera PhD, Assistant Professor and Asian Development Coordinator at the Centre for African and Oriental Studies, Associate Dean for Research and Technology Transfer, College of Social Sciences, Addis Ababa University 'The author has worked with our Beni-Amer pastoral communities in Eastern Sudan and Western Eritrea for over 30 years and this book is the first of its kind in documenting our practices, knowledge systems, heritage and way of life.' Mustafa Faid and Mohamed Ali, Leaders of the Beni-Amer Pastoral and Environmental Association Kassala State (PEAKS) 'A riveting and rare book! Zeremariam Fre guides you along the sandy [dusty] tracks and grassy pastures that the Beni-Amer and their herds have been softening over time all through the Horn of Africa. One of the virtues of the book is that it illustrates vividly in clear language how their continuous self-built endogenous knowledge on agro-pastoral life is not only at the core of their survival and the survival of their herds, but more importantly a powerful weapon in facing and resisting multiple aggressions . . . Ground-breaking and a huge achievement.' Yves Cabannes, Emeritus Professor of Development Planning, The Bartlett Development Planning Unit, UCL 'The book underlines the importance of enriching and utilizing the unrecognized, yet valuable scientific knowledge and practices that are deeply rooted in pastoral traditional experience about their own environment and breeding practices. It is an important publication that reflects

Fre's expertise and long term research in the region and thus, it is a significant addition to the African library.' Hala Alkarib, Director of the Strategic Initiative for Women in the Horn of Africa (SIHA) 'This fascinating book not only gives a unique insight into the knowledge and practice of pastoralists in the Horn of Africa from the author's first-hand experience, it also provides an in-depth critique of the multiple dimensions of knowledge, paying tribute to the sovereignty of indigenous knowledge. It has a timely relevance for global sustainability that will appeal to a wider readership.' Nicole Kenton, International Development Consultant, former long serving senior staff member of the International Institute for Environment and Development (IIED) 'The book covers several intertwined issues relevant to contemporary development policy and practice. It goes beyond the urban and peasant-nomadic livelihoods dichotomy by shedding more light on the inter-linkages within the multiple livelihood systems within the Horn of Africa and globally. A rich evidence-based resource for academics, development partners and social movements for promoting and designing state policies that embrace pastoralist aspirations.' Bereket Tsegay MA, PhD candidate, Pastoral Environmental Network in the Horn of Africa (PENHA) 'Dr Zeremariam Fre has done a wonderful job of placing at the centre of this book the Beni-Amer pastoralists, the world they inhabit and the knowledge they use to navigate and thrive in it. The lessons contained in this book go beyond pastoralism; it is a must read for anyone serious about understanding the importance of local knowledge in the innovation and development process.' Yusuf Dirie, PENHA Research Fellow and PhD researcher at the University of Sussex

Plant and Algal Hydrogels for Drug Delivery and Regenerative Medicine offers a materials-focused and systematic overview of biopolymeric hydrogels utilized for biomedical applications. The book details the synthesis and characterization of plant and algal-based hydrogels, with each chapter addressing a separate polysaccharide hydrogel type. Specific applications in drug delivery and regenerative medicine are also discussed, highlighting the efficacy, biocompatibility, benefits and challenges for each polysaccharide hydrogel subtype. There is increasing demand for biomaterials which reduce/prevent the host response, inflammation and rejection, hence this book provides a timely resource. Biopolymeric hydrogels have skyrocketed because of their necessity in in vivo applications. They create an environment similar to living tissue, which is both biocompatible and biodegradable. Plant and algal polysaccharides in particular are well-equipped with functional groups that are easily modified for beneficial results. Systematically covers each plant and algal polysaccharide hydrogel subtype, from starch-based hydrogels to pectin and alginate-based hydrogels. Provides an end-to-end description of the synthesis, characterization and application of biopolymeric hydrogels for drug delivery and regenerative medicine Appeals to a diverse readership, including those in biomedicine, pharmacy, polymer chemistry, biochemistry, materials science, biomedical engineering, and other biotechnology related disciplines

In *De Gustibus* Peter Kivy deals with a question that has never been fully addressed by philosophers of art: why do we argue about art? We argue about the 'facts' of the world either to influence behaviour or simply to get them to see what we take to be the truth about the world. We argue about ethical matters, if we are ethical 'realists,' because we think we are arguing about 'facts' in the world. And we argue about ethics, if we think matters of ethics are simply matters of 'attitude,' to influence the behaviour of others. But why should we argue about works of art? There are no 'actions' of art to motivate. Whether I think Bach is greater than Beethoven and you think the opposite, why does it matter to either of us to convince the other? Kivy claims here that we argue over taste because we think, mistakenly or not, that we are arguing over matters of fact.

Frontiers in Natural Product Chemistry: Volume 4 Bentham Science Publishers

Sacrifice Regained

Carbohydrate Bioengineering

Frontiers in Natural Product Chemistry: Volume 4

Patterns of Constitutional Thought from Fortescue to Bentham

Things that Travelled

Natural Sources, Physicochemical Characterization and Applications

Utility and Democracy is the first comprehensive historical account of the political thought of Jeremy Bentham (1748–1832), the philosopher and reformer. Philip Schofield draws on his extensive knowledge of Bentham's unpublished manuscripts and original printed texts, and on the new, authoritative edition of The Collected Works of Jeremy Bentham . A compelling narrative charts the way in which Bentham applied his utilitarian philosophy to the rapidly changing circumstances of his age. Schofield begins with a lucid account of Bentham's insights in the fields of logic and language, and in particular his theory of real and fictitious entities, which lie at the foundation of his thought. He proceeds to show how these insights brought Bentham to the principle of utility, which led him in turn to produce the first systematic defence of democracy from a utilitarian perspective. In contrast to previous scholarship, which claims that Bentham's 'conversion' or 'transition' to political radicalism took place either at the time of the French Revolution or following his meeting with James Mill in 1808 or 1809, Professor Schofield shows that the process began in or around 1804 when the notion of sinister interest emerged in Bentham's thought. Bentham appreciated that rulers, rather than being motivated by a desire to promote the greatest happiness of those subject to them, aimed to promote their own happiness, whatever the overall cost to the community. In his constitutional writings of the 1820s, which he addressed to 'all nations professing liberal opinions', Bentham argued that the proper end of constitutional design was to maximize official aptitude and minimize government expense, and that the publicity of official actions, within the context of a republican system of government where sovereignty lay in the people, was the means to achieve it. Bentham's commitment to radical reform led him to advocate the abolition of the British monarchy and House of Lords, the replacement of the Common Law with a codified system of law, and the 'euthanasia' of the Anglican Church.

Both Asia and Africa are home to many plants that can be used for the treatment of many diseases and their medicinal properties are gaining interest in western societies. Medicinal plants from Asia and Africa are used for their healing abilities and also have a symbolic meaning in communities. The importance of traditional autochthonous plant remedies plays a crucial role in the health of millions of people of these two continents. Even today, traditional medicine represents the dominant medical system for millions of people showing a significant impact on health care practices. Therefore, traditional operators still represent a vital part of regional healthcare systems. For this

reason, pharmaceutical industries consider traditional medicine as a source for the identification of bioactive compounds that can be used in the preparation of synthetic drugs. *Biologically Active Natural Products from Asia and Africa: A Selection of Topics* guides the reader to information about new natural products from these regions and the different ways to use them to treat or alleviate many of the most common diseases. The volume presents nine topics covering a number of facets of natural product medicine including: - pharmaceutical analysis of anti-diabetic herbal medicines from Bangladesh and local retailers - caffeine intake and the risk of female infertility - pharmaceutical analysis of *Urena sinuata* (bur mallow) - anti-CHIKV activities of diterpenes and their derivatives - anti-inflammatory nanogel for the treatment of psoriasis - antilithiatic properties of Moroccan medicinal plants - ethnobotanic, phytochemical and biological activities of *Aristolochia longa* L. (pipevine) - wound healing potential of combined extracts of stem bark and leaves of *sphenocentrum jollyanum* (an African shrub) This is a handy reference for specialists and R&D experts in pharmaceutical chemistry who wish to be informed about current knowledge on developing natural remedies in Asia and Africa.

Carbohydrate bioengineering is a rapidly expanding field with many applications in medicine and industry. Presenting state-of-the-art research, *Carbohydrate Bioengineering: Interdisciplinary Approaches* brings together international experts on many different aspects of this burgeoning topic. Coverage includes: the engineering of glycosidases for constructive purposes; structure-function studies and protein engineering of carbohydrate-active enzymes; chemo-enzymatic carbohydrate synthesis; and trends emerging from comprehensive work on genomes and glycomes. This timely publication will be welcomed by all those needing access to the latest research in the field, including practitioners in the medicinal, chemical, food and pharmaceutical areas.

Coumarins are widely distributed in nature and can be found in a large number of naturally occurring and synthetic bioactive molecules. The unique and versatile oxygen-containing heterocyclic structure makes them a privileged scaffold in Medicinal Chemistry. Many coumarin derivatives have been extracted from natural sources, designed, synthesized, and evaluated on different pharmacological targets. In addition, coumarin-based ion receptors, fluorescent probes, and biological stains are growing quickly and have extensive applications to monitor timely enzyme activity, complex biological events, as well as accurate pharmacological and pharmacokinetic properties

in living cells. The extraction, synthesis, and biological evaluation of coumarins have become extremely attractive and rapidly developing topics. A large number of research and review papers have compiled information on this important family of compounds in 2020. Research articles, reviews, communications, and concept papers focused on the multidisciplinary profile of coumarins, highlighting natural sources, most recent synthetic pathways, along with the main biological applications and theoretical studies, were the main focus of this book. The huge and growing range of applications of coumarins described in this book is a demonstration of the potential of this family of compounds in Organic Chemistry, Medicinal Chemistry, and different sciences related to the study of natural products. This book includes 23 articles: 17 original papers and six review papers.

Constitutions and the Classics

Bentham's Prison : A Study of the Panopticon Penitentiary

Key Concepts in Public Archaeology

Mobile Museums

Interdisciplinary Approaches

Arguing about Taste and Why We Do It