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The achievements of Pāṇini and the Indian grammarians, beginning nearly 2500 years ago, have never been fully appreciated by Western scholars—partly because of the great technical difficulties presented by such an inquiry, and partly because relevant tutorial articles have been confined to obscure and inaccessible publications. This book makes available to linguists and Sanskritists a collection of the most important articles on the Sanskrit grammarians, and provides a connected historical outline of their activities. It covers studies and fragments ranging from early 7th-century accounts of the grammarians—recorded by Buddhist pilgrims from China and Tibet, by Muslim travelers from the Near East, and by Christian missionaries—to some of the best articles that have appeared during the last century and a half. Chapters in the book cover the foundation of Sanskrit studies in the West laid by British scholars working in India and including the detailed and accurate information provided by Henry Thomas Colebrooke; the linguistic evaluations of Pāṇini by von Schlegel and von Humboldt; the work of Bhandarkar and of Kielhorn; William Dwight Whitney's low evaluation of the 'native' grammarians; and the philological work of modern Western, Indian, and Japanese scholars. The editor observes that materials in the Reader reveal problems tackled by the Sanskrit grammarians which closely parallel developments in contemporary linguistics. He has provided historical and linguistic commentary and bibliographic data in the introductions and notes that accompany each selection. Articles are in their original English, German, and French. Texts or passages in Chinese, Tibetan, Arabic, Sanskrit, Latin, and Greek, for the most part, have been translated into English, and all Sanskrit passages have been translated into the Latin alphabet.

This book discusses various components of the innate and adaptive immune response in combating viral infections, presenting the recent advances in our understanding of innate immunity recognition of viruses and highlighting the important role of inflammation, cytokines such as interferon, toll-like receptors and leukocytes in the initial detection of invading viruses and subsequent activation of adaptive immunity. It also summarizes the role of the adaptive immunity against viral infections through clearance of virus and establishment of memory response that protects against the recurrent infections. In addition, the book examines the role of DNA and RNA sensors in viral recognition and in controlling viral infection. Lastly, it reviews the latest developments in the development of the rational viral vaccines. As such it is a useful resource book for postgraduate and early researchers wanting to gain insights into the immune response to viral infections.

The digital economy is gradually gaining traction through a variety of recent technological developments, including the introduction of the Internet of things, artificial intelligence and markets for data. This innovative book contains contributions from leading competition law scholars who map out and investigate the anti-competitive effects that are developing in the digital economy.

First Published in 1988, this book offers a full, comprehensive guide into the relationship between macrophages and Cancer. Carefully compiled and filled with a vast repertoire of notes and references this book serves as a useful reference for Students of Medicine, Oncology and other practitioners in their respective fields.

A Reader on the Sanskrit Grammarians

Strategies for Development in South Asia

Advances in Nanostructured Composites

Aspects of Plutarchan Ethics

The Structure of Biological Membranes

Contemporary Christian-Muslim Dialogue

A listing and analysis of 3106 references to the rhinoceros in books and articles.

The first volume of this book covered Section I: Introduction to Nanocomposites Fabrication and Section II: CNT and Graphene Nanocomposites. The present second volume covers Section III: Recent Applications of Nanocomposites. The second volume aims to provide a guide for different applications of modern nanocomposites especially those fabricated by carbon nanotubes and graphene. The book makes a comparative study of fiber-reinforced composites which have been embedded into the matrix with nanocomposites containing nanotubes in place of fibers. The main topics of this volume are: Electrochemical Properties of Nanoporous Based Materials, Fabrication and Application of Graphene Oxide-based Metal and Metal Oxide Nanocomposites, Electrochemical Sensors/Biosensors Based on Carbon Aerogels/Xerogels, Advances in Nanobiocatalysis: Strategies for Lipase Immobilization and Stabilization, Metal Oxide Based Heterojunction Nanoscale Materials for Chemiresistive Gas Sensors, Recent Advances in Polymer Nanocomposite Coatings for Corrosion Protection, Recent Advances in the Design of Nanocomposite Materials via Laser Techniques for Biomedical Applications, Carbonaceous Nanostructured Composites for Electrochemical Power Sources: Fuel Cells, Supercapacitors and Batteries, Bismuth Vanadate Based Nanostructured and Nanocomposite Photocatalyst Materials for Water Splitting Application.

- The data gathered can be used to solve a wide range of problems - for basic science and applied science

The Safety Valve Handbook is a professional reference for design, process, instrumentation, plant and maintenance engineers who work with fluid flow and transportation systems in the process industries, which covers the chemical, oil and gas, water, paper and pulp, food and bio products and energy sectors. It meets the need of engineers who have responsibilities for specifying, installing, inspecting or maintaining safety valves and flow control systems. It will also be an important reference for process safety and loss prevention engineers, environmental engineers, and plant and process designers who need to understand the operation of safety valves in a wider equipment or plant design context. No other publication is dedicated to safety valves or to the extensive codes and standards that govern their installation and use. A single source means users save time in searching for specific information relating to safety valves used in the process industry for positive pressure applications. Explains technical issues of safety valve operation in detail, including identification of benefits and pitfalls of current valve technologies Enables informed and creative decision making in the selection and use of safety valves The Handbook is unique in addressing both US and European codes: - covers all devices subject to the ASME VIII and European PED (pressure equipment directive) codes: - covers the safety valve recommendations of the API (American Petroleum Institute): - covers the safety valve recommendations of the European Normalisation Committee: - covers the latest NACE and ATEX codes: - enables readers to interpret and understand codes in practice Extensive and detailed illustrations and graphics provide clear guidance and explanation of technical material, in order to help users of a wide range of experience and background (as those in this field tend to have) to understand these devices and their applications Covers calculating valves for two-phase flow according to the new Omega 9 method and highlights the safety difference between this and the traditional method Covers selection and new testing method for cryogenic applications (LNG) for which there are currently no codes available and which is a booming industry worldwide Provides full explanation of the principles of different valve types available on the market, providing a selection guide for users of the process and economic cost Extensive glossary and terminology to aid readers' ability to understand documentation, literature, maintenance and operating manuals Accompanying website provides an online valve selection and codes guide.

Sociology Responds to Fascism

Bibliography of the Rhinoceros

THE MEGAS, Issue 4

Kinetic Modeling of Reactions In Foods

A Philosophical Perspective

Social Inequality and Social Stratification in U.S. Society

This book discusses the biological, technical and study-design challenges of Nanopharmaceuticals. Chapters of this book are dedicated to supermagnetic iron oxide nanoparticles for the diagnosis of brain, breast, gastric, ovarian, liver, colorectal, lung and pancreatic cancers. It also includes a brief introduction to magnetic resonance imaging and ends with the future prospective of iron oxide nanoparticles in cancer detection. The book also provides a critical discussion on 'Computational sequence design for DNA nanostructures' and gives a brief introduction about the skin delivery. A detailed discussion has been included about the different types of nanocarriers such as micells, microemulsions, nanoemulsions, polymeric and lipid based nanoparticles. Focussing on the safety concerns of nanomedicine it also covers the safety issues, clinical benefits, ecotoxicity and regulatory frame work of nanopharmaceuticals.

Love and money are important aspects of the everyday lives of couples. This book focuses on the daily routines of disagreement, conflict and joint decisions on these, and other issues such as work, leisure and children, create in the household. Central to the authors' research is a unique diary study of forty couples, who kept a daily record of their joint decisions over the course of a year. The diaries show how challenging, varied and complex the conflicts and decision making of normal everyday life can be and reveal that goals frequently change during the decision-making process with the result that the final outcome often achieves a goal distinct from the original intention. Furthermore, the dynamics of decision making differ according to the problem at stake, the decision-making history of the couple, and the quality of the partnership. The results of the diary study are discussed within the overall context of current research in the field as a whole, including discussion of joint decision-making case studies, close relationships, decision-making research in general and special research methods. Numerous results of psychological, sociological, economic and consumer behaviour studies are summarised and integrated into a model of household decision-making. This book will be primarily of interest to students and researchers in social psychology and economic psychology, but its interdisciplinary and applied nature will also make it of relevance to professionals working in the fields of family therapy and consumer behaviour.

The demand for flavourings has been constantly increasing over the last years as a result of the dramatic changes caused by a more and more industrialised life-style: The consumer is drawn to interesting, healthy, pleasurable, exciting or completely new taste experiences. This book draws on the expert knowledge of nearly 40 contributors with backgrounds in both industry and academia and provides a comprehensive insight into the production, processing and application of various food flavourings. Established flavours produced commercially are summarized on a large scale. Methods of quality control and quality management are discussed in detail. The authors also focus on conventional and innovative analytical methods employed in this field and, last but not least, on toxicological, legal, and ethical aspects. Up-to-date references to pertinent literature and an in-depth subject index complete the book.

Sport performance analysis techniques help coaches, athletes and sport scientists develop an objective understanding of actual sport performance, as opposed to self-report, fitness tests or laboratory based experiments. For example, contemporary performance analysis enables elite sports people and coaches to obtain live feedback of match statistics and video sequences using flexible interactive systems, systems that have become an indispensable tool for all those involved in high performance sport. The Routledge Handbook of Sports Performance Analysis is the most comprehensive guide to this exciting and dynamic branch of sport science ever to be published. The book explores performance analysis across the four main contexts in which it is commonly used: support for coaches and athletes; the media; judging sport contests, and academic research. It offers an up-to-date account of methodological advances in PA research, assesses the evidence underpinning contemporary theories of sport performance, and reviews developments in applied PA across a wide range of sports, from soccer to track and field athletics. Covering every important aspect of PA, including tactics, strategy, mechanical aspects of technique, physical aspects of performance such as work-rate, coach behaviour and referee behaviour, this is an essential reference for any serious student, researcher or practitioner working in sport performance analysis, sport coaching or high performance sport.

One-Volume Libraries: Composite and Multiple-Text Manuscripts

Emulsions, Foams, and Suspensions

Love, Money and Daily Routines

Translation and Transfer of Knowledge in Encyclopedic Compilations, 1680-1830

Proceedings of ICAIECES 2017

Rural Women at Work

Composite and multiple-text manuscripts are traditionally studied for their individual texts, but recent trends in codicology have paved the way for a more comprehensive approach: Manuscripts are unique artefacts which reveal how they were produced and used as physical objects. While multiple-text manuscripts codicologically are to be considered as production units, i.e. they were originally planned and realized in order to carry more than one text, composites consist of formerly independent codicological units and were put together at a later stage with intentions that might be completely different from those of its original parts. Both sub-types of manuscripts are still sometimes called "miscellanies", a term relating to the texts only. The codicological difference is important for reconstructing why and how these manuscripts which in many cases resemble (or contain) a small library were produced and used. Contributions on the manuscript cultures of China, India, Africa, the Islamic world and European traditions lead not only to the conclusion that "one-volume libraries" have been produced in many manuscript cultures, but allow also for the identification of certain types of uses.

This book introduces and examines the work of two significant 21st century Christian – Muslim dialogue initiatives – “Building Bridges” and the “Christian-Muslim Theological Forum” – and gives close attention to five theological themes that have been addressed in common by them. An overview and analysis, including inception, development, outputs and significance, together with discussion of the select themes – community, scripture, prophecy, prayer and ethics – allows for an in-depth examination of significant contemporary Muslim and Christian scholarship on issues important to both faith communities. The result is a challenging encounter to, arguably, a widespread default presumption of irredeemable mutual hostility and inevitable mutual rejection with instances of violent extremism as a consequence. Demonstrating the reality that deep interreligious engagement is possible between the two faiths today, this book should appeal to a wide readership, including upper undergraduate and graduate teaching as well as professionals and practitioners in the field of Christian-Muslim relations.

This book constitutes the proceedings of the 26th International Conference on Collaboration Technologies and Social Computing, CollabTech 2020. The conference was scheduled to take place in Tartu, Estonia, in September 2020. It was held virtually due to the COVID-19 pandemic. The 10 full and 5 work-in-progress papers presented in this volume were carefully reviewed and selected from 25 submissions.

Social Inequality – examining our present while understanding our past. Social Inequality and Social Stratification in US Society, 1st edition uses a historical and conceptual framework to explain social stratification and social inequality. The historical scope gives context to each issue discussed and allows the reader to understand how each topic has evolved over the course of American history. The authors use qualitative data to help explain socioeconomic issues and connect related topics. Each chapter examines major concepts, so readers can see how an individual’s success in stratified settings often relies heavily on their access to valued resources-types of capital which involve finances, schooling, social networking, and cultural competence. Analyzing the impact of capital types throughout the text helps map out the prospects for individuals, families, and also classes to maintain or alter their position in social-stratification systems. Learning Goals Upon completing this book, readers will be able to: Analyze the four major American classes, as well as how race and gender are linked to inequalities in the United States Understand attempts to reduce social inequality Identify major historical events that have influenced current trends Understand how qualitative sources help reveal the inner workings that accompany people’s struggles with the socioeconomic order Recognize the impact of social-stratification systems on individuals and Families

Tragedy and Redress in Western Literature

Goebbels And Der Angriff

Competition Law for the Digital Economy

Manja

Twenty-First Century Initiatives

Flavourings

Biological membranes provide the fundamental structure of cells and viruses. Because much of what happens in a cell or in a virus occurs on, in, or across biological membranes, the study of membranes has rapidly permeated the fields of biology, pharmaceutical chemistry, and materials science. The Structure of Biological Membranes, Third Edition pro

We know a lot about the sociology of fascism, but how have sociologists responded to events when confronted with it in their own lives? How courageous or compromising have they been? And why has this history been shrouded in silence for so long? In this major work of historical scholarship sociologists from around the world describe and evaluate the reactions of sociologists to the rise and practice of fascism.

This book constitutes the thoroughly refereed post-conference proceedings of the Satellite Events of the 16th Extended Semantic Web Conference, ESWC 2019, held in Portoroz, Slovenia, in June 2019. The volume contains 38 poster and demonstration papers, 2 workshop papers,5 PhD symposium papers, and 3 industry track papers, selected out of a total of 68 submissions. They deal with all areas of semantic web research, semantic technologies on the Web and Linked Data.

The field of Phytobacteriology is rapidly advancing and changing, because of recent advances in genomics and molecular plant pathology, but also due to the global spread of bacterial plant diseases and the emergence of new bacterial diseases. So, there is a need to integrate understanding of bacterial taxonomy, genomics, and basic plant pathology that reflects state-of-the-art knowledge about plant-disease mechanisms. This book describes seventy specific bacterial plant diseases and presents up-to-date classification of plant pathogenic bacteria. It would be of great help for scientists and researchers in conducting research on ongoing projects or formulation of new research projects. The book will also serve as a text book for advanced undergraduate and postgraduate students of disciplines of Phytobacteriology and Plant Pathology. Contains latest and updated information of plant pathogenic bacteria till December 2018 Describes seventy specific bacterial diseases Presents classification of the bacteria and associated nomenclature based on Bergey’s Manual Systematic Bacteriology and International Journal of Systematic and Evolutionary Microbiology Discusses practical and thoroughly tested disease management strategies that would help in controlling enormous losses caused by these plant diseases Reviews role of Type I and II toxins as virulence factors produced by bacterial plant pathogens Briefs about plants and plant products that act as carriers of human enteric bacterial pathogens. like emphasizing role of seed sprouts as a common vehicle in causing food-borne illness Dr R. S. Thind was ex-Professor-cum-Hon. Department of Plant Pathology, Punjab Agricultural University Ludhiana, India. He has 34 years of experience in teaching, research, and transfer of technology. He has conducted research investigations on bacterial blight of rice, bacterial stalk rot of maize, bacterial blight of cowpea, bacterial leaf spot of green gram, bacterial leaf spot of chillies and bacterial soft rot of potatoes. He also acted as Principal Investigator of two ICAR-funded research schemes entitled, “Detection and control of phytopathogenic bacteria from cowpea and mungbean seeds from 1981 to 1986 and “Perpetuation, variability, and control of Xanthomonas oryzae pv. oryzae, the causal agent of bacterial blight of rice” from 1989 to 1993, and also of a DST funded research scheme “Biological control of bacterial blight, sheath blight, sheath rot, and brown leaf spot of rice” from 1999 to 2002. He also authored a manual entitled, “Plant Bacteriology” and a text book entitled, “Phytopathogenic Procarvates and Plant Diseases” published by Scientific Publishers (India). He is Life member of Indian Phytopathological Society, Indian Society of Mycology and Plant Pathology, and Indian Science Congress Association.

Translating and Interpreting, 1848-1918

Design and Use of Process Safety Valves to ASME and International Codes and Standards

The new nation

Macrophages & Cancer

A Novel about Five Children

Dynamics of Immune Activation in Viral Diseases

First Published in 2011. This study is Volume I of the Global Environment and Development 7 volume set. One of the most promising areas identified in the initial study was female labor-force participation. If good jobs at decent wages were offered to women, particularly those living in rural areas, would such employment have an effect on family size? Would their jobs compete for the women’s time as mothers and housewives, offer them an alternative route to acquiring status and a sense of purpose, and perhaps also provide the women with an independent source of income which would enable them to achieve more control over their lives? But, as the original volume makes clear, the situation is more complicated than it first appears to be.

This collection of essays addresses Plutarch’s writings on practical ethics from different perspectives, including regarding their overall structure, content, purpose, and underlying philosophical and social presuppositions.

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutz’s popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. It’s an ideal way to begin, whether you’re new to programming or a professional developer versed in other languages. Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3– the latest releases in the 3.X and 2.X lines–plus all other releases in common use today. You’ll also learn some advanced language features that recently have become more common in Python code. Explore Python’s major built-in object types such as numbers, lists, and dictionaries Create and process objects with Python statements, and learn Python’s general syntax model Use functions to avoid code redundancy and package code for reuse Organize statements, functions, and other tools into larger components with modules Dive into classes’ Python’s object-oriented programming tool for structuring code Write large programs with Python’s exception-handling model and development tools Learn advanced Python tools, including decorators, descriptors, metaclasses, and Unicode processing

This book offers a unique interpretation of tragic literature in the Western tradition, deploying the method and style of Analytic philosophy. Richard Gaskin argues that tragic literature seeks to offer moral and linguistic redress (compensation) for suffering. Moral redress involves the balancing of a protagonist’s suffering with guilt (and vice versa): Gaskin contends that, to a much greater extent than is recognized by recent critics, traditional tragedy represents suffering as incurred by avoidable and culpable mistakes of a cognitive nature. Moral redress operates in the first instance at the level of the individual agent. Linguistic redress, by contrast, operates at a higher level of generality, namely at the level of the community: its fundamental motor is the sheer expressibility of suffering in words. Against many writers on tragedy, Gaskin argues that language is competent to express pain and suffering, and that tragic literature has that expression as one its principal purposes. The definition of tragic literature in this book is expanded to include more than stage drama: the treatment stretches from the Classical and Medieval periods through to the early twentieth century. There is a special focus on Sophocles, but Gaskin takes account of most other major tragic authors in the European tradition, including Homer, Aeschylus, Euripides, Virgil, Seneca, Chaucer, Marlowe, Shakespeare, Corneille, Racine, Lessing, Goethe, Schiller, Kleist, Büchner, Ibsen, Hardy, Kafka, and Mann; lesser-known areas, such as Renaissance neo-Latin tragedy, are also covered. Among theorists of tragedy, Gaskin concentrates on Aristotle and Bradley; but the contributions of numerous contemporary commentators are also assessed. Tragedy and Redress in Western Literature: A Philosophical Perspective offers a new and genuinely interdisciplinary perspective on tragedy that will be of considerable interest both to philosophers of literature and to literary critics.

Production, Composition, Applications, Regulations

Powerful Object-Oriented Programming

Volume 2: Applications of Nanocomposites

Collaboration Technologies and Social Computing

Conflict and Decision Making in Close Relationships

Nanopharmaceuticals: Principles and Applications Vol. 1

Extensively updated with all chapters rewritten and double the information and references, Amino Acids and Proteins for the Athlete: The Anabolic Edge, Second Edition reflects the nearly exponential increase in data and knowledge in the past few years regarding the use of amino acids and proteins to enhance athletic performance. This groundbreaking book is written by physician Mauro Di Pasquale, two-time Pan American, two-time North American, and eight-time Canadian Powerlifting Champion. Dr. Di Pasquale served as an advisor to the World Wrestling and World Bodybuilding Federations, has written for numerous health and bodybuilding publications, and has published several books and newsletters on sports-related issues. In this volume, he imparts his scientific knowledge as well as lessons learned from his own athletic achievement to give professional and recreational athletes the tools they need to improve performance using nutrition and nutritional supplements as alternatives to drug use. The book begins with a brief review of energy and protein metabolism before describing the positive impact of supplementation on athletic performance, health, disease, and longevity. It reveals the actions of protein and amino acid supplements on muscle size and strength and energy metabolism as well as the role of specific amino acid supplements. The second part of the book, the practical how-to section, Naturally Anabolic, advises the athlete on ways to achieve maximum progress while avoiding the use of anabolic drugs. It provides the inside scoop on how to use nutrition to manipulate anabolic hormones naturally, and how to lose body fat without sacrificing muscle. The final chapter reveals the secrets of powerful nutritional supplements that can enhance an athlete’s performance. By following Dr. Di Pasquale’s time-tested advice, athletes will get the inside edge over the competition and take their achievement to the next level.

Until now colloid science books have either been theoretical, or focused on specific types of dispersion, or on specific applications. This then is the first book to provide an integrated introduction to the nature, formation and occurrence, stability, propagation, and uses of the most common types of colloidal dispersion in the process-related industries. The primary focus is on the applications of the principles, paying attention to practical problems. This focus is both as part of the treatment of the fundamental principles, where appropriate, and also in the separate sections devoted to specific kinds of industries. Throughout, the treatment is integrated, with the principles of colloid and interface science common to each dispersion type presented for each major physical property class, followed by separate treatments of features unique to emulsions, foams, or suspensions. The first half of the book introduces the fundamental principles, introducing readers to suspension formation and stability, characterization, and flow properties, emphasizing practical aspects throughout. The following chapters discuss a wide range of industrial applications and examples, serving to emphasize the different methodologies that have been successfully applied. Overall, the book shows how to approach making emulsions, foams, and suspensions with different useful properties, how to propagate them, and how to prevent their formation or destabilize them if necessary. The author assumes no prior knowledge of colloid chemistry and, with its glossary of key terms, complete cross-referencing and indexing, this is a must-have for graduate and professional scientists and engineers who may encounter or use emulsions, foams, or suspensions, or combinations thereof, whether in process design, industrial production, or in related R&D fields.

Biomedical Natural Language Processing is a comprehensive tour through the classic and current work in the field. It discusses all subjects from both a rule-based and a machine learning approach, and also describes each subject from the perspective of both biological science and clinical medicine. The intended audience is readers who already have a background in natural language processing, but a clear introduction makes it accessible to readers from the fields of bioinformatics and computational biology, as well. The book is suitable as a reference, as well as a text for advanced courses in biomedical natural language processing and text mining.

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book’s supporting website to help course instructors prepare their lectures.

Cumulated Index Medicus

The Semantic Web: ESWC 2019 Satellite Events

Learning Python

Bioinformatics of Genome Regulation and Structure

Managing Scientific Data

Bioinformatics

The tumultuous relations between Britain and the United Provinces in the seventeenth century provide the backdrop to this book, striking new ground as its transnational framework permits an overview of their intertwined culture, politics, trade, intellectual exchange, and religious debate. How the English and Dutch understood each other is coloured by these factors, and revealed through an imaogological method, charting the myriad uses of stereotypes in different genres and contexts. The discussion is anchored in a specific context through the lives and works of John Milton and Andrew Marvell, whose complex connections with Dutch people and society are investigated. As well as turning overdue attention to neglected Dutch writers of the period, the book creates new possibilities for reading Milton and Marvell as not merely English, but European poets.

The Berlin newspaper Der Angriff (The Attack), founded by Joseph Goebbels in 1927, was a significant instrument for arousing support for Nazi ideas. Berlin was the center of the political life of the Weimar Republic, and Goebbels became an actor upon this frenetic stage in 1926, becoming Gaudier of Berlin’s Nazis. Focusing on the period from 1927 to 1933, a time the Nazis later called “the blood years,” Russel Lemmons examines how Der Angriff was used to promote support for Nazism. Some of the most important propaganda motifs of the Third Reich first appeared in the pages of Der Angriff. Horst Wessel, murdered by the German Communist Party in 1930, became the archetypal Nazi hero; much of his legend began on the pages of Der Angriff. Other Nazi propaganda themes -- the “Unknown SA man” and the “myth of resurrection and return” -- made their first appearances in this newspaper. How could the Germans, seemingly among the most cultured people in Europe, hand over their fate to the Nazis? As this book demonstrates, Der Angriff had much to do with the rise of the National Socialism in Berlin and the cataclysmic results.

The level of quality that food travels down the production-to-consumption path is largely determined by the chemical, biochemical, physical, and microbiological changes that take place during its processing and storage. Authored by an internationally respected food quality expert, Kinetic Modeling of Reactions in Foods demonstrates how to effectively capture these changes in an integrative fashion using mathematical models. Thus, kinetic modeling of food changes creates the possibility to control and predict food quality from a technological point of view. Illustrating how kinetic modeling can predict and control food quality from farm to fork, this authoritative resource: Applies kinetic models using general chemical, physical, and biochemical principles Introduces Bayesian statistics in kinetic modeling, virtually uncharted territory in the food science field Integrates food science, kinetics, and statistics to predict and control food quality attributes using computer models Uses real-world examples rather than hypothetical data to illustrate concepts This essential reference is an indispensable guide to understanding all aspects of kinetic food modeling. Unlike many other kinetic volumes available, this book opens the door to the many untapped research opportunities in the food science realm where mathematical modeling can be applied.

In the years between 1848 and 1918, the Habsburg Empire was an intensely pluricultural space that brought together numerous “nationalities” under constantly changing – and contested – linguistic regimes. The multifaceted forms of translation and interpreting, marked by national struggles and extensive multilingualism, played a crucial role in constructing cultures within the Habsburg space. This book traces translation and interpreting practices in the Empire’s administration, courts and diplomatic service, and takes account of the “habitualized” translation carried out in everyday life. It then details the flows of translation among the Habsburg crownlands and the other European languages, with a special focus on Italian-German exchange. Applying a broad concept of “cultural translation” and working with sociological tools, the book addresses the mechanisms by which translation and interpreting constructs cultures, and delineates a model of the Habsburg Monarchy’s “pluricultural space of communication” that is also applicable to other multilingual settings. Published with the support of the Austrian Science Fund (FWF)img src="//logos/fwf-logo.jpg" width=300

ESWC 2019 Satellite Events, Portoroz, Slovenia, June 2-6, 2019, Revised Selected Papers

Milton, Marvell, and the Dutch Republic

Biomedical Natural Language Processing

Fundamentals and Applications

Phytopathogenic Bacteria and Plant Diseases

26th International Conference, CollabTech 2020, Tartu, Estonia, September 8-11, 2020, Proceedings

*The book is a collection of high-quality peer-reviewed research papers presented in the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES 2017). The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academia and industry have presented their original work and ideas, information, techniques and applications in the field of communication, computing and power technologies. The heart of the book lies in the collaboration efforts of eight distinct bioinformatics teams that describe their own unique approaches to data integration and interoperability. Each system receives its own chapter where the lead contributors provide precious insight into the specific problems being addressed by the system, why the particular architecture was chosen, and details on the system’s strengths and weaknesses. In closing, the editors provide important criteria for evaluating these systems that bioinformatics professionals will find valuable. * Provides a clear overview of the state-of-the-art in data integration and interoperability in genomics, highlighting a variety of systems and giving insight into the strengths and weaknesses of their different approaches.-*

From its modern origins in seventeenth-century France, encyclopedic compilations met the need for the dissemination of information in a more flexible format, one that eschewed the limits of previous centuries of erudition. The rise of vernacular languages dovetailed with the demand for information in every sector, sparking competition among nations to establish the encyclopedic "paper empires" that became symbols of power and potential. The contributors to this edited collection evaluate the long-overlooked phenomenon of knowledge creation and transfer that occurred in hundreds of translated encyclopedic compilations over the long eighteenth century. Analysing multiple instances of translated compilations, *Translation and Transfer of Knowledge in Encyclopedic Compilations, 1680–1830* expands into the vast realm of the multilingual, encyclopedic compilation, the most tangible proof of the global enlightenment. Through the presentation of an extensive corpus of translated compilations, this volume argues that the true site of knowledge transfer resided in the transnational movement of ideas exemplified by these compendia. The encyclopedia came to represent the aspiring nation as a viable economic and political player on the world stage; the capability to tell knowledge through culture became the hallmark of a nation's cultural capital, symbolic of its might and mapping the how, why, and where of the global eighteenth century.

Created by acclaimed filmmaker Jonathan Mostow, (*Terminator 3: U-571*; *Surrogates*) *Timing is running out for Agent Jack Madison to uncover who is behind the murder of Mega Prince Ellington Boudreaux. His mission is more important than ever since learning that a plot to massacre the Conclave is not an aim of the anti-Royalists, but a ploy by another, more shocking faction. But nothing can prepare Jack for the shock of who the culprit is working for...*

Virtues for the People

Artificial Intelligence and Evolutionary Computations in Engineering Systems

The Habsburg Monarchy's Many-Languaged Soul

Introduction to Information Retrieval

Amino Acids and Proteins for the Athlete: The Anabolic Edge, Second Edition

The Safety Relief Valve Handbook