

Chimica Zanichelli

Includes entries for maps and atlases.

This Brief reviews the chemistry behind the production of yoghurt through acidification of milk. It quantifies the changes in physical and chemical properties of yoghurt during fermentation with microbial organisms (such as Lactobacillus bulgaricus and Streptococcus thermophilus). It has been found that this symbiosis has an optimal development at a temperature of ca. 45°C with the transformation of lactose into lactic acid and small amounts of acetaldehyde, diacetyl and volatile acids. This Brief explains the chemical and physical results of the fermentation process, such as precipitation of proteins and the acid coagulation of milk with a clot formation in the final semi-solid mass. The Brief sheds light on the accomplishments of the fermenting organisms: they are responsible for the biochemical reactions of carbohydrate metabolism, proteolysis, lipolysis and flavour production in the process of yoghurt production. It also briefly reviews formulations and food additives used in the modern yoghurt producing industry.

Platinum Metals in the Environment

Chimica ambientale

National Union Catalog

Physics. C

Italian Books and Periodicals

La diffrazione dei cristalli

Tissue engineering is the use of a combination of cells, engineering and materials methods, and suitable biochemical and physio-chemical factors to improve or replace biological functions. While most definitions of tissue engineering cover a broad range of applications, in practice the term is closely associated with applications that repair or replace portions of or whole tissues (i.e., bone, cartilage, blood vessels, bladder, etc.). Often, the tissues involved require certain mechanical and structural properties for proper function. The term has also been applied to efforts to perform specific biochemical functions using cells within an artificially-created support system (e.g. an artificial pancreas, or a bioartificial liver). The term regenerative medicine is often used synonymously with tissue engineering, although those involved in regenerative medicine place more emphasis on the use of stem cells to produce tissues. This book presents recent and important research in the field.

Nel 1953 L. S. Miller riuscì a sintetizzare, per via abiotica, diverse sostanze organiche e tra queste parecchi amminoacidi, componenti delle nostre proteine. Questo esperimento sembrò anche una conferma della teoria del brodo prebiotico. La scoperta sollevò un grande entusiasmo tra gli scienziati e sembrava, in quel periodo, che in poco tempo sarebbe arrivata anche la sintesi della vita in provetta. Ben presto però alcuni ostacoli risultarono insormontabili e così dopo quasi 60 anni siamo ancora all'esperienza di Miller. Partendo da questo dato sperimentale l'autore, in questo saggio, presenta il risultato di 25 anni di ricerche sulla chimica prebiotica. In particolare illustra indizi sperimentali su: la selezione degli amminoacidi naturali e la scomparsa dell'amminoacido destro, l'origine di un codice genetico rudimentale e l'interdipendenza acidi nucleici-proteine. Questi dati ci indicano, che la vita ha avuto probabilmente origine sulla terraferma, che il brodo prebiotico non è mai esistito e inoltre sollevano anche seri dubbi sull'esistenza di un progenitore comune a tutti gli organismi viventi. Infine viene presentata la teoria sull'origine della vita.

Tissue Engineering

La chimica a scuola

International Catalogue of Scientific Literature

dai vulcani del Mediterraneo alle montagne dolomitiche: la fondazione della geologia

Catalogo collettivo della libreria italiana

The Masters of Byssus, Silk and Linen

*Advances in Fluorine Science presents critical multidisciplinary overviews for areas in which fluorine and fluoride compounds have a decisive impact. The individual volumes of Advances in Fluorine Science are thematic, addressing comprehensively both the science and applications on topics including the Environment, Green chemistry, Medicine, Health & Life Sciences, New Technologies & Materials Science, Energy and the Earth Sciences. For each subject the contributors will clearly inform the reader on the nature of the problem (if any) and on the solutions, combining knowledge from different scientific disciplines, that have been proposed to solve each issue. This volume covers a wide scope of important issues about our atmospheric environment and contains contributions from both chemists and environmental scientists. Articles review the origin of fluorine-emissions either from natural or anthropogenic origin; the chemistry of fluorine- and halogen-based species in the atmosphere; the monitoring and characterization of atmospheric pollutants; new generations of halocarbons and improved destruction procedures of banned CFCs; the role of fluorides within both our geosphere: volcanic magmas and natural fluorine emissions, and effects on our biosphere: life cycle, plants and animals. * Examines the role of fluorine and fluoride products in our environment: from the geosphere to the atmosphere through the biosphere * Discusses the efforts of scientists and industry groups towards the improvement of environmental and sustainability issues * Multidisciplinary contributions from chemists, geologists, biologists, environmentalists and industry staffs*

Tech Impact. The lights and shadows of technological development**goWare e Edizioni Guerini e Associati**

Fluorine and the Environment: Atmospheric Chemistry, Emissions & Lithosphere

Fondamenti di chimica organica

Dictionnaire multilingue de l'industrie du gaz

Sposare gli elementi. Breve storia della chimica

Prebiotic chemistry and the origin of life

Authors and subjects

Con queste pagine si vuole rilevare come la missione dello speciale nasca dalla lotta contro la sofferenza e dall'etica del mutuo soccorso. Nella prima parte Viene tracciato sinteticamente il percorso dall'umanità nella ricerca dei rimedi contro il dolore. Si passa quindi allo sviluppo della professione in relazione alle conoscenze scientifiche, ai mutamenti sociali, culturali ed economici e ai rapporti con lo stato. La seconda parte è dedicata alle biografie dei più noti farmacisti che hanno esercitato in Venezia fino agli inizi '900. La terza parte è dedicata alle più note farmacie storico-artistiche veneziane. La quarta parte tratta i vasi di ceramica e di vetro della farmacia. La quinta parte ripropone il tema "il farmacista e la società" nella lotta per la libertà e nella partecipazione attiva alla vita della comunità. Ringrazio l'Ordine dei Farmacisti di Venezia e l'Associazione Titolari di Farmacia di Venezia che con il loro concreto appoggio e con fiducia mi hanno sostenuto nel portare a termine la pubblicazione del libro, e tutti coloro che mi hanno concesso di disporre della documentazione opportuna. Renato Vecchiato.

This book contains a series of outstanding contributions on ecodynamics that appeared in limited editions before the emergence of the International Journal of Design & Nature and Ecodynamics, which has now become the primary focus for this area of research.The aim of ecodynamics is to relate ecosystems to evolutionary thermodynamics, which can lead to appropriate solutions for sustainable development. The contributions published in this volume relate to all aspects of ecosystems and sustainable development, ranging from physical sciences to economics and epistemology.The world of ecosystems has been dominated by the towering personality of Ilya Prigogine to whom this volume is dedicated. The first article is an extract from his autobiography written shortly before he died.Prigogine's ideas are directly reflected in many of the contributions in this volume. He helped set up numerous research groups all around the world, including that at Siena University headed by the late Enzo Tiezzi. He also influenced the work of Sven Jorgensen, Bernard Patten, Robert Ulanowicz, Simone Bastianoni, Nadia Marchettini, Ricardo Pulselli, T-S Chon, to name just a few amongst the many authors contributing to this volume.This compilation of influential papers currently unavailable in the open literature will make an important contribution to the field of ecodynamics.

Dalla riflessione pedagogico-didattica alla progettazione e realizzazione di percorsi didattici

Lezioni di fisica tecnica

Tech Impact. The lights and shadows of technological development

Use of Microorganisms in the Removal of Pollutants from the Wastewater

Additivi e tossici negli alimenti

Lezioni di fisica tecnica. Per le Scuole

The exhibition entitled “The Masters of Byssus, Silk and Linen” (13-22 May, 2017; Rectorate Palace, Sapienza University of Rome) intends to highlight the way in which, by processing raw materials, high quality fabrics can be achieved, which are then embellished by the weaver’s hand, as it was done in ancient times with silk and linen and is still practiced today with byssus. The unwoven fibers and/or fabrics were dyed in order to add extra beauty to the fabric. The exhibition, organized by the Commodity Science Museum, the Chemistry Museum “Primo Levi” and the “Polo Museale Sapienza” (PMS), with the collaboration of the Cultural Association “Visioni e Illusioni”, with the patronage of the Polish Institute of Rome, intends to highlight the additional value of fabrics when they are processed by the Artists, who are better defined as Masters of Byssus, Silk and Linen.

Macrotrend of our present: instructions for use. We live in the age of endless change. Technological innovations are profoundly and irreversibly affecting our everyday life. Progress seems somehow to subvert individual and collective parametres in such a way that often we tend to ask ourselves what we can do for machines more than what they can do for us. In these pages the author shares a participating and curious gaze to the deep changes of our times, with the ongoing tension to draw together the scattered pieces of information left by our uncertain present and to gain new keys to interpretation. From the new technologies of AI and ubiquitous computing to the growing issues of international security , from the so called Fourth Industral Revolution to the new paradigm of the sharing economy, from the role of the technological mammoths in the new world order to the changes in the labour market and the increasing societal inequality: a bunch of burning issues are here addressed both with intellectual commitment and conversational levity, with the aim to foster public debate and awareness and to help present day and future leaders to shape new policies, both at business and governmental level.

The Olive Cultivation, Table Olive and Olive Oil Industry in Italy

Storia dei modelli atomici

"Scientia"; rivista di scienza

La Civilt à cattolica

Olive Germplasm

Pagine di storia

Questo saggio è rivolto agli insegnanti di scienze sperimentali e in particolare di chimica e il suo scopo è quello di fornire loro una serie di elementi per migliorare l'apprendimento delle discipline stesse. Si tratta della raccolta di una serie di articoli dei due autori pubblicati su varie riviste ma che conservano tutt'ora una loro sicura validità. Tre sono le aree che questi coprono, la prima fornisce vari elementi di riflessione sulla didattica delle scienze sperimentali, la seconda presenta riflessioni e proposte di curricula adeguati e sostenibili per i diversi livelli scolari con riferimento ad un organico curriculum verticale, la terza, infine, fornisce il resoconto di alcune progettazioni e sperimentazioni di percorsi didattici di scienze a diversi livelli scolari.

Focusing on the conversion of biomass into gas or liquid fuels the book covers physical pre-treatment technologies, thermal, chemical and biochemical conversion technologies • Details the latest biomass characterization techniques • Explains the biochemical and thermochemical conversion processes • Discusses the development of integrated biorefineries, which are similar to petroleum refineries in concept, covering such topics as reactor configurations and downstream processing • Describes how to mitigate the environmental risks when using biomass as fuel • Includes many problems, small projects, sample calculations and industrial application examples

Progetto per un'anagrafe dei traduttori

Fundamentals of Conversion Processes

The Prigogine Legacy

International Catalogue of Scientific Literature, 1901-1914

L'Archiginnasio

1928

The IGU provides translation of key terms for a worldwide dissemination/standardization in the gas trade. Features:
* A reliable vocabulary, by professionals of the IGU
* Over 6,000 entries in 10 languages
* Vocabulary arranged by 10 subjects, English, French, German, Spanish, Italian, Norwegian, Polish, Russian, Slovak and Czech
* Definition, drawings, bibliography
* 8 appendixes
* As well as an alphabetical index in each of the 10 languages

This edited volume presents new data and insights from the most internationally respected PGE experts, representing a variety of disciplines ranging from chemistry, geochemistry, biology, environmental science to toxicology and environmental health. It builds upon three previous co-edited books published by Springer, Zereini and Alt (Eds.) (1999, 2000 and 2006), incorporating the most recent advances on the topic. The book covers the following topical areas related to PGE: sources and applications, analytical methods, environmental fate, bioavailability and chemical behaviour, use of bioindicators and human exposures and health risk potential. Highly interdisciplinary in orientation, this book is a comprehensive guide to academics, students and professionals working in a number of different scientific fields, who are interested in topics related to platinum metal emissions in the environment.

Ecodynamics

Bulletin of Chemical Thermodynamics

Chemistry and Technology of Yoghurt Fermentation

The National Union Catalogs, 1963-

Dolomieu: un avventuriero nella storia della natura

Part 1, Books, Group 1, v. 25 : Nos. 1-121 (March - December, 1928)

The olive (Olea europaea) is increasingly recognized as a crop of great economic and health importance world-wide. Olive growing in Italy is very important, but there is still a high degree of confusion regarding the genetic identity of cultivars. This book is a source of recently accumulated information on olive trees and on olive oil industry. The objective of this book is to provide knowledge which is appropriate for students, scientists, both experienced and inexperienced horticulturists and, in general, for anyone wishing to acquire knowledge and experience of olive cultivation to increase productivity and improve product quality. The book is divided into two parts: I) the olive cultivation, table olive and olive oil industry in Italy and II) Italian catalogue of olive varieties. All chapters have been written by renowned professionals working on olive cultivation, table olives and olive oil production and related disciplines. Part I covers all aspects of olive fruit production, from site selection, recommended varieties, pest and disease control, to primary and secondary processing. Part II contains the chapter on the description of Italian olive varieties. It is well illustrated and includes 200 elaiographic cards with colour photos, graphs and tables.

I Maestri del Bisso, della Seta, del Lino

Biomass as a Sustainable Energy Source for the Future

bulletino della Biblioteca comunale di Bologna

A Cumulative Author List Representing Library of Congress Printed Cards and Titles Reported by Other American Libraries

La farmacia e la sanità a Venezia

Technology and the Growth of Civilization

Our natural world has been irretrievably altered by humans, for humans. From domesticated wheat fields to nuclear power plants and spacecraft, everything we see and interact with has in some way been changed by the presence of our species, starting from the Neolithic era so many centuries ago. This book provides a crash course on the issues and debates surrounding technology’s shifting place in our society. It covers the history of our increasingly black-box world, which some theorize will end with technology accelerating beyond our understanding. At the same time, it analyzes competing trends and theories, the lack of scientific knowledge of large sections of the population, the dogmas of pseudoscience, and the growing suspicion of science and technology, which may inevitably lead to scientific stagnation. What will the future of our civilization look like? How soon might scientific acceleration or stagnation arrive at our doorstep, and just how radically will such technological shifts change our culture? These are issues that we must address now, to insure our future goes the way we choose.

The National Union Catalog, Pre-1956 Imprints

Catalog of Copyright Entries. New Series

Giornale della libreria della tipografia e delle arti e industrie affini supplemento alla Bibliografia italiana, pubblicato dall'Associazione tipografico-libreraria italiana

Roles, Materials, and Applications

Index-catalogue of the Library of the Surgeon-General's Office, United States Army