
European Women In Chemistry

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SAUNDERS JAYLA

Women Scientists National Academies Press

This volume investigates emblematic and art-historical issues in Lavinia Fontana's mythological paintings. Fontana is the first female painter of the sixteenth century in Italy to depict female nudes, as well as mythological and emblematic paintings associated with concepts of beauty and wisdom. Her paintings reveal an appropriation of the antique, a fusion between patronage and culture, and a humanistic pursuit of Mannerist conceits. Fontana's secular imagery provides a challenging paragon with the male tradition of history painting during the sixteenth century and paves the way for new subjects to be depicted and interpreted by female painters of the seventeenth century.

Blueprint for the Future World Scientific Bridging Traditions explores the connections between apparently different zones of comprehension and experience—magic and experiment, alchemy and mechanics, practical mathematics and geometrical mysticism, things earthy and heavenly, and especially science and medicine—by focusing on points of intersection among alchemy, chemistry, and Paracelsian medical philosophy. In exploring the varieties of natural knowledge in the early modern era, the authors pay tribute to the work of Allen Debus, whose own endeavors cleared the way for scholars to examine subjects that were once snubbed as suitable only to the refuse heap of the history of science.

The Public Image of Chemistry Bridget Williams Books

The first volume of *Ladies in the Laboratory* provided a systematic survey

and comparison of the work of nineteenth-century American and British women in scientific research. Companion volumes focused on women scientists from Western Europe and the former British colonial territories of South Africa, Australia, New Zealand, and Canada. In *Ladies in the Laboratory IV*, Mary R.S. Creese expands her scope to include the contributions of nineteenth-century women of Imperial Russia. Many of these women believed that science was the key to social progress, and the great advances in scientific research—work in which Russians had leading roles—made scientific training especially attractive. Featuring biographical sketches of more than 120 women, this volume covers individuals whose scientific research encompassed medicine, chemistry, zoology, botany, and paleontology. Organized into chapters by field, the entries provide details about the personal backgrounds as well as professional achievements of these remarkable women. A well-organized blend of individual life stories and quantitative information, this volume is for everyone interested in nineteenth century science. The stories of these women make for fascinating reading and serve as a valuable source for those who want to learn more about the history of women in science and medicine as well as nineteenth-century Russian history.

Why Science Is Sexist

ConferenceSeries

Praise for the first edition: 'It is difficult to imagine another book in which one could find all this diverse material, and no doubt Amt's collection, in its richness, and in its genuine clarity and simplicity will takes prominent place in our expanded, diversified medieval curriculum, a curriculum that takes class, gender, and ethnicity as central to

an understanding of world cultural history.' - The Medieval Review Long considered to be a definitive and truly groundbreaking collection of sources, *Women's Lives in Medieval Europe* uniquely presents the everyday lives and experiences of women in the Middle Ages. This indispensable text has now been thoroughly updated and expanded to reflect new research, and includes previously unavailable source material. This new edition includes expanded sections on marriage and sexuality, and on peasant women and townswomen, as well as a new section on women and the law. There are brief introductions both to the period and to the individual documents, study questions to accompany each reading, a glossary of terms and a fully updated bibliography. Working within a multi-cultural framework, the book focuses not just on the Christian majority, but also present material about women in minority groups in Europe, such as Jews, Muslims, and those considered to be heretics. Incorporating both the laws, regulations and religious texts that shaped the way women lived their lives, and personal narratives by and about medieval women, the book is unique in examining women's lives through the lens of daily activities, and in doing so as far as possible through the voices of women themselves.

[Ladies in the Laboratory IV](#) Springer

'The book neatly illuminates a forgotten history of female chemists — and this is not an overstatement. It contains a multitude of names, events and socio-economic interactions in the pursuit of women's education and professional emancipation that are guaranteed to contain stories that readers will not have heard before ... It is easily a dip-in and dip-out type of read, allowing simple

navigation to specific areas of Britain, disciplines and professions ... Besides highlighting the women who fought against an inherently male-dominated system and celebrating their supporters, this book also examines the events and the history surrounding their lives and endeavours. It pays particular note to the nations of the British Isles and gives equal contribution to those lost in history as to those names we are all so familiar with. A fantastic resource that has been excellently researched, I am sure it will remain an ageless tribute and reference work.' Education in Chemistry Historically, British chemistry has been perceived as a solely male endeavour. However, this perception is untrue: the allure of chemistry has attracted British women for centuries past. In this new book, the authors trace the story of women's fascination with chemistry back to the amateur women chemists of the late 1500s. From the 1880s, pioneering academic girls' schools provided the knowledge base and enthusiasm to enable their graduates to enter chemistry degree programs at university. The ensuing stream of women chemistry graduates made interesting and significant contributions to their fields, yet they have been absent from the historical record. In addition to the broad picture, the authors focus upon the life and contributions of some of the individual women chemists who were determined to survive and flourish in their chosen field. From secondary school to university to industry, some of the women chemists expressed their sentiments and enthusiasm in chemistry verse. Examples of their poetic efforts are sprinkled throughout to give a unifying theme from grade school to university and industrial employment. This book provides a well-researched

glimpse into the forgotten world of British women in chemistry up to the 1930s and 1940s.

Ladies in the Laboratory? American and British Women in Science, 1800-1900

Springer Nature

Johannes Klumpers Biotechnologies, such as genetic engineering, cloning and biodiversity, raise many legal and ethical concerns, so it is important that people understand these issues and feel able to express their opinions. This is why the European Commission has been, for a number of years, supporting actions to improve communication among scientists in these diverse areas. The project 'Women in Biotechnology' (WONBIT), financed under the 6th Framework programme of the European Commission, is an excellent example of what can be done to target opinion-formers such as scientists, economists and lawyers in bottom-up activities, and to encourage a debate on gender issues triggered by developments in the life sciences. WONBIT gave rise to a successful international conference highlighting the importance of adopting good practices and ethical considerations in parallel with the rapid pace of progress in biotechnology - from a woman's point of view. In particular, the conference addressed women in decision-making positions in biotechnology with specific reference to scientific excellence, social competencies and management qualities as well as issues relating to environment, society and the younger generation. But it did not stop there: a key part of the conference was dedicated to stimulating public debate among non-specialists, which has led to a number of recommendations to policy-makers on better communication in biotechnology, on taking better account

of the gender aspects of research, and on involving more women in the decision-making process that surrounds developments in biotechnology.

Women and Leadership in the European Union Cambridge Scholars Publishing

In 1965, Vera Rubin was the first woman permitted to observe at Palomar Observatory. In the intervening years, she has become one of the world's finest and most respected astronomers. This particular collection of essays is compiled from work written over the past 15 years and deals with a variety of subjects in astronomy and astrophysics, specifically galaxies and dark matter. The book also contains biographical sketches of astronomers who have been colleagues and friends, providing a stimulating view of a woman in science. About the Author Since 1965 Vera Rubin has been a staff member at the Department of Terrestrial Magnetism of the Carnegie Institution of Washington. Dr. Rubin has authored nearly 200 papers on the structure of our galaxy, motions within other galaxies, and large scale motions in the universe. She has been a distinguished visiting astronomer at the Cerro Tololo Inter American Observatory in Chile; a Chancellor's Distinguished Professor at the University of California, Berkeley; a President's Distinguished Visitor at Vassar College; and a Beatrice Tinsley visiting professor at the University of Texas, Austin.

Women in Biotechnology Springer Nature

A comprehensive examination of American women scientists across the sciences throughout the 20th century, providing a rich historical context for understanding their achievements and the way they changed the practice of science. Much more than a "Who's Who,"

this exhaustive two-volume encyclopedia examines the significant achievements of 20th century American women across the sciences in light of the historical and cultural factors that affected their education, employment, and research opportunities. With coverage that includes a number of scientists working today, the encyclopedia shows just how much the sciences have evolved as a professional option for women, from the dawn of the 20th century to the present. *American Women of Science since 1900* focuses on 500 of the 20th century's most notable American women scientists—many overlooked, undervalued, or simply not well known. In addition, it offers individual features on 50 different scientific disciplines (Women in Astronomy, etc.), as well as essays on balancing career and family, girls and science education, and other sociocultural topics. Readers will encounter some extraordinary scientific minds at work, getting a sense of the obstacles they faced as the scientific community faced the questions of feminism and gender confronting the nation as a whole.

American Learned Men and Women with Czechoslovak Roots Oxford University Press, USA

From water, air, and fire to tennessine and oganesson, celebrated science writer Philip Ball leads us through the full sweep of the field of chemistry in this exquisitely illustrated history of the elements. *The Elements* is a stunning visual journey through the discovery of the chemical building blocks of our universe. By piecing together the history of the periodic table, Ball explores not only how we have come to understand what everything is made of, but also how chemistry developed into a modern science. Ball groups the elements into

chronological eras of discovery, covering seven millennia from the first known to the last named. As he moves from prehistory and classical antiquity to the age of atomic bombs and particle accelerators, Ball highlights images and stories from around the world and sheds needed light on those who struggled for their ideas to gain inclusion. By also featuring some elements that aren't true elements but were long thought to be—from the foundational prote hyle and heavenly aether of the ancient Greeks to more recent false elements like phlogiston and caloric—*The Elements* boldly tells the full history of the central science of chemistry.

Women's Lives in Medieval Europe Oxford University Press

This volume is the first comprehensive analysis of women's ascendance to leadership positions in the European Union as well as their performance in such positions. It provides a new theoretical and analytical framework capturing both positional and behavioural leadership and the specific hurdles that women encounter on their path to and when exercising leadership. The volume encompasses a detailed set of single and comparative case studies, analyzing women's representation and performance in the core EU institutions and their individual pathways to and exercise of power in top-level functions, as well as comparative analyses regarding the position and behaviour of women in relation to men. Based on these individual studies, the volume draws overarching conclusions about women's leadership in the EU. Regarding positional leadership, women continue to be underrepresented in leadership positions, they more often hold less prestigious portfolios in such positions, and manifold structural hurdles hamper

their access to power. Furthermore, huge variations exist across EU institutions, with the intergovernmental bodies being the hardest to access. Regarding behavioural leadership, women acting in powerful EU positions generally perform excellently. They successfully exercise a combined leadership style that integrates attributes of leadership considered to be 'masculine' and 'feminine'. This is not to argue that women per se are the better leaders. Yet more often than men they are exposed to stronger selection processes and their prevalent practice of a combined leadership style tends to best meet the requirements of modern democratic systems and particularly those of the highly fragmented EU.

Women in Chemistry Rowman & Littlefield

Apart from a few articles, no comprehensive study has been written about the learned men and women in America with Czechoslovak roots. That's what this compendium is all about, with the focus on immigration from the period of mass migration and beyond, irrespective whether they were born in their European ancestral homes or whether they have descended from them. Czech and Slovak immigrants, including Bohemian Jews, have brought to the New World their talents, their ingenuity, their technical skills, their scientific knowhow, and their humanistic and spiritual upbringing, reflecting upon the richness of their culture and traditions, developed throughout centuries in their ancestral home. This accounts for the remarkable success and achievements of these settlers in their new home, transcending through their descendants, as this monograph demonstrates. The monograph has been organized into sections by subject areas,

i.e., Scholars, Social Scientists, Biological Scientists, and Physical Scientists. Each individual entry is usually accompanied with literature, and additional biographical sources for readers who wish to pursue a deeper study. The selection of individuals has been strictly based on geographical ground, without regards to their native language or ethical background. This was because under the Habsburg rule the official language was German and any nationalistic aspirations were not tolerated. Consequently, it would be virtually impossible to determine their innate ethnic roots or how the respective individuals felt. Doing it in any other way would be a mere guessing, and, thus, less objective.

Women on the Edge in Early Modern Europe SAGE

Popular associations with chemistry range from poisons, hazards, chemical warfare and environmental pollution to alchemical pseudoscience, sorcery and mad scientists, which gravely affect the public image of science in general. While chemists have merely complained about their public image, social and cultural studies of science have largely avoided anything related to chemistry. This book provides, for the first time, an in-depth understanding of the cultural and historical contexts in which the public image of chemistry has emerged. It argues that this image has been shaped through recurring and unlucky interactions between chemists in popularizing their discipline and nonchemists in expressing their expectations and fears of science. Written by leading scholars from the humanities, social sciences and chemistry in North America, Europe and Australia, this volume explores a blind spot in the science-society relationship

and calls for a constructive dialog between scientists and their public. *The Elements* University of Chicago Press

Interdisciplinary knowledge is becoming increasingly important to the modern scientist. This invaluable textbook covers bioanalytical chemistry (mainly the analysis of proteins and DNA) and explains everything for the non-biologist. Electrophoresis, mass spectrometry, biosensors, bioassays, DNA and protein sequencing are not necessarily all included in conventional analytical chemistry textbooks. The book describes the basic principles and the applications of instrumental and molecular methods. It is particularly useful to chemistry and engineering students who already have some basic knowledge about analytical chemistry. This revised second edition contains a new chapter on optical spectroscopy, and updated methods and new references throughout. Andreas Manz received the 2015 Inventor Award for 'Lifetime Achievement' from the European Patent Office. Petra S Dittrich was presented with the Heinrich-Emanuel-Merck Award 2015 at EuroAnalysis2015 Conference.

[Nobel Prize Laureates](#) Chemical Heritage Foundation

From man's first exploration of natural materials and their transformations to today's materials science, chemistry has always been the central discipline that underpins both the physical and biological sciences, as well as technology. In this Very Short Introduction, William H Brock traces the unique appeal of this fundamental science throughout history. Covering alchemy, early-modern chemistry, pneumatic chemistry and Lavoisier's re-interpretation of chemical change, the rise of organic and physical chemistry,

and the transforming power of synthesis, Brock explores the extraordinary and often puzzling transformations of natural and artificial materials, as well as the men and women who experimented, speculated, and explained matter and change. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Mom the Chemistry Professor

Bloomsbury Publishing USA

Fuels, Chemicals and Materials from the Oceans and Aquatic Sources provides a holistic view of fuels, chemicals and materials from renewable sources in the oceans and other aquatic media. It presents established and recent results regarding the use of water-based biomass, both plants and animals, for value-added applications beyond food. The book begins with an introductory chapter which provides an overview of ocean and aquatic sources for the production of chemicals and materials. Subsequent chapters focus on the use of various ocean bioresources and feedstocks, including microalgae, macroalgae, and waste from aquaculture and fishing industries, including fish oils, crustacean and mollusc shells. Fuels, Chemicals and Materials from the Oceans and Aquatic Sources serves as a valuable reference for academic and industrial professionals working on the production of chemicals, materials and fuels from renewable feedstocks. It will also prove useful for researchers in the fields of green and sustainable chemistry, marine sciences and

biotechnology. Topics covered include: • Production and conversion of green macroalgae • Marine macroalgal biomass as an energy feedstock • Microalgae bioproduction •

Bioproduction and utilization of chitin and chitosan • Applications of mollusc shells • Crude fish oil as a potential fuel
Bridging Traditions John Wiley & Sons 2019 celebrated the 150th anniversary of Mendeleev's first publication of the Periodic Table of Chemical Elements.

This book offers an original viewpoint on the history of the Periodic Table: a collective volume with short illustrated papers on women and their contribution to the building and the understanding of the Periodic Table and of the elements themselves. Few existing texts deal with women's contributions to the Periodic Table. A book on women's work not only helps make historical women chemists more visible; it also sheds light on the multifaceted character of the work on the chemical elements and their periodic relationships. Stories of female input contribute to the understanding of the nature of science, of collaboration as opposed to the traditional depiction of the lone genius. While the discovery of elements is a natural part of this collective work, the book goes beyond discovery histories. Stories of women contributors to the chemistry of the elements also include understanding the concept of element, identifying properties, developing analytical methods, mapping the radioactive series, finding applications of elements, and the participation of women as audiences when new elements were presented at lectures. The book contains chapters on pre-periodic table contributions as well as recent discoveries, unknown stories as well as more famous ones, with an emphasis on

work conducted in the late 19th century and early 20th century. Elements from different groups in the periodic table are included, so as to represent a variety of chemical contexts.

Proceedings of 4th European Chemistry Congress 2017 Springer Science & Business Media

A compilation of sixty biographical sketches of influential female scientists, discussing topics like the state of the modern female scientist and the underrepresentation of women at the higher levels of academia.

Women In Their Element: Selected Women's Contributions To The Periodic System MIT Press

An inventory of information products and services available on the European Information Services Market. Points out the differences/advantages of the online database compared to the printed version which is in front of you.

[An Inclusive Academy](#) Penn State Press
Though rarely noted, women have been active participants in the chemical sciences since the beginning of recorded history. This thought-provoking book brings to life the many talented women who--besides the universally respected Marie Curie--made significant contributions to chemistry. The Rayner-Canhams examine the forces that have defined women's roles in the progress of chemistry, observing that many were thwarted from capitalizing on their achievements by the prejudices of their time. Their book discusses women chemists from as far past as the Babylonian civilization but focuses on professional women chemists from the mid-19th century, when women gained access to higher education. Read this book and learn about the chemist-assistants of the French salons, about independent researchers in the 19th

century, about the three disciplinary havens for women in the 20th century, about how war helped bring women into the chemical industry--and much more! [The History of Chemistry: A Very Short Introduction](#) Springer Science & Business Media

"I have no dress except the one I wear every day. If you are going to be kind enough to give me one, please let it be practical and dark so that I can put it on afterwards to go to the laboratory", said Marie Curie about her wedding dress. According to her lecture notes, Gertrude B. Elion is quoted a few decades later: "Don't be afraid of hard work. Don't let others discourage you, or tell you that you can't do it. In my day I was told women didn't go into chemistry. I saw no reason why we couldn't." These two quotations from famous, Nobel Prize winning chemists amply demonstrate the challenges that female scientists in the past centuries have had to overcome; challenges that are still sometimes faced by the current generation. They "must have the noblest courage, quite extraordinary talents and superior genius" wrote Carl Friedrich Gauss 1807 in a letter to mathematician

Sophie Germain. For the official book to celebrate the International Year of Chemistry, the European Association for Chemical and Molecular Sciences (EuCheMS) has chosen one of the central goals of the International Year: the contribution and role of women in chemistry. This celebration, which is the focus of European Women in Chemistry, takes us on a journey through centuries of chemical research, focusing on the lives of those amazing women from ancient times to the current day who dared to study this subject, often against advice or societal expectations. These portraits emphasize the extraordinary path and personality of these fascinating women, their major contribution to chemistry, but all in the context of their time and social environment. Some of these women, like Marie Curie and Dorothy Crowfoot Hodgkin, are famous and still well-known today. Others have contributed significantly to the development of science and lived an exceptional life, but are nowadays almost forgotten. This book is a tribute to all of them and a motivation for new generations to come to tread new paths, fight for unusual ideas and control one's own destiny.

Best Sellers - Books :

- [The Five-star Weekend](#)
- [Chicka Chicka Boom Boom \(board Book\)](#)
- [A Court Of Thorns And Roses \(a Court Of Thorns And Roses, 1\) By Sarah J. Maas](#)
- [Why A Daughter Needs A Dad: Celebrate Your Father Daughter Bond This Father's Day With This Special Picture Book! \(always In My Heart\) By Gregory E. Lang](#)
- [It's Not Summer Without You By Jenny Han](#)
- [What To Expect When You're Expecting](#)
- [Things We Hide From The Light \(knockemout Series, 2\)](#)
- [Fahrenheit 451 By Ray Bradbury](#)
- [Taylor Swift: A Little Golden Book Biography By Wendy Loggia](#)
- [Things We Hide From The Light \(knockemout Series, 2\) By Lucy Score](#)