

[PDF Download] Molecules That Changed the World Online eBook

Details:

Author: *K. C. Nicolaou*

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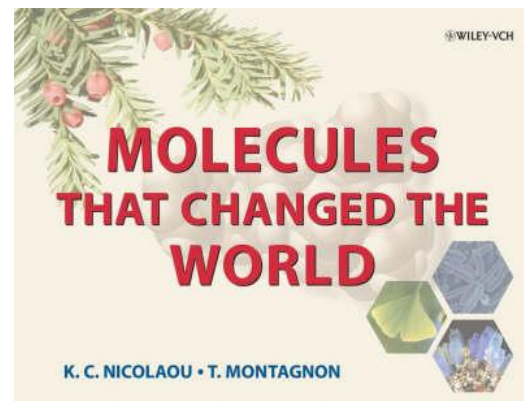
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Description:

K.C. Nicolaou - Winner of the Nemitsas Prize 2014 in Chemistry Here, the best-selling author and renowned researcher, K. C. Nicolaou, presents around 40 natural products that all have an enormous impact on our everyday life. Printed in full color throughout with a host of pictures, this book is written in the author's very enjoyable and distinct style, such that each chapter is full of interesting and entertaining information on the facts, stories and people behind the scenes. Molecules covered span the healthy and useful, as well as the much-needed and extremely toxic, including Aspirin, urea, camphor, morphine, strychnine, penicillin, vitamin B12, Taxol, Brevetoxin and quinine. A veritable pleasure to read.

Additional Info:

Review quote

"The book is packed with fascinating details, and it certainly shows that chemistry is not just alive and kicking but is going to keep on delivering

results far into the future." ("Science Spin" December 2009)"In contrast to other books that target the general public and relate the importance of a limited number of compounds, "Molecules That Changed the World" will gain broader appeal among students of chemistry and those familiar with organic synthesis and natural products." ("Journal of Chemical Education," December 2009)"This colorfully illustrated book will entertain students of all kinds, from undergraduates just beginning their studies to the serious practitioner." ("CHOICE," November 2008)"This book will sit proudly on my shelf, and I fully expect it to be a useful reference source. I hope that will be true of schools and colleges too." ("Chemistry and Industry," June 2008)"The book's style and content are more accessible than is the case for most other books on synthetic organic chemistry that you're likely to encounter." ("Chemical and Engineering News," June 2008)"This book will change the attitudes of many to science." ("Chemistry in Australia," June 2008)"I found this book a highly enjoyable read. This fresh approach should be applauded and will no doubt become a classic in its own right." ("Chemistry World," June 2008)"Over 366 pages we meet more than 500 famous researchers and hear plenty of amazing tales about legendary molecules.... [For those] of us interested in this fascinating science the book is worth reading." ("Lab Times," May 2008)"You will meet for instance Milan Uskovivic, who prepared desoxyquinine or Leo Sternbach the 'father' of the benzodiazepines too. Happy reading!" ("RoSearch," April 2008)"This book is a true treasure chest of information, chemical and non-chemical." ("ChemMedChem," April 2008)"A wonderfully suitable gift for anyone who is interested in chemistry, and will serve to enhance that fascinati

About K. C. Nicolaou

K. C. Nicolaou is Professor of Chemistry at the University of California, San Diego and is Chairman of the Department of Chemistry and holds the Skaggs Professorship of Chemical Biology and the Darlene Shiley Chair in Chemistry at The Scripps Research Institute. His impact on chemistry flows from his works in chemical synthesis and chemical biology described in over 550 publications and 55 patents.

Tamsyn Montagnon received her B.Sc. in Chemistry with Medicinal Chemistry from the University of Leeds, UK, which was followed by a move to the University of Sussex where she obtained a D.Phil in 2000. She was awarded a

GlaxoWellcome post-doctoral fellowship and joined Professor K. C. Nicolaou's group as a postdoc. She is now assistant professor at the University of Crete.

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Review Text

"Großzügig mit bisher selten veröffentlichten Fotos und Zeichnungen ausgestattet, lädt das englischsprachige Werk ein zu einer wissenschaftshistorischen Reise, die an den wichtigsten Stationen der chemisch-medizinischen Forschung der vergangenen zehn Jahre innehält."
www.literatur-report.de, März 2008

"Das Buch ist aber ein wunderbar geeignetes Geschenk für alle, welche sich für Chemie interessieren, da es die Begeisterung und das Interesse verstärken kann. "
2008

"Molecules that Changed theWorld ist nichts geringeres als ein Meisterwerk, das Chemiker stolz auf ihren Beruf werden laesst? Dieses Buch ist zugleich Inspiration und Motivation für jeden, der ein Interesse an Naturwissenschaften und ihre Bedeutung für die Menschheit hat - vom jungen Studenten und interessierten Laien bis zum versierten Wissenschaftler oder Praktiker der Lebenswissenschaften."

Angewandte Chemie
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"Keine "leichte" Kost: mehr als zwei Kilo schwer, über 350 Seiten, dazu in einem ganz ungewöhnlichen Format, aber für den an Naturstoffchemie Interessierten ein üppig, durchgehend farbig aufgemachtes Buch zu einem - vergleichsweise geringen Preis."

Deutsche Apotheker Zeitung
April 2008

"Die besprochenen Beispiele sind gut ausgewählt und präsentieren wirkliche Meilensteine..."

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"Trotz Unmengen Fotos, Farbabbildungen, Formeln und Reaktionsschemata ist auch die Bezeichnung Bildband inkorrekt und weckt falsche Erwartungen, bietet Molecules that changed the World doch in jedem Kapitel viel mehr als nur knappe Bildbeschreibungen oder -unterschriften. Hier liegt ein Chemie-Buch vor, das man, auch im deutschen Sprachraum, nur mit dem englischen Begriff coffee-table book adäquat umschreiben kann:"

Treffpunkt Buch plus, Biologie in unserer Zeit
Frühjahr 2008

"Ich erlaube mir, die Worte des Philosophen Henry David Thoreau leicht zu verändern: Es ist lebendige Geschichte in den Blättern dieses Buches."

Nachrichten aus der Chemie
Juni 2008