DESCRIPTION

What’s it really like to be a chemist?

Leading chemists share what they do, how they do it, and why they love it.

“Letters to a young …” has been a much-loved way for professionals in a field to convey their enthusiasm and the realities of what they do to the next generation. Now, Letters to a Young Chemist does the same for the chemical sciences. Written with a humorous touch by some of today’s leading chemists, this book presents missives to “Angela,” a fictional undergraduate considering a career in chemistry. The different chapters offer a mix of fundamental principles, contemporary issues, and challenges for the future. Marye Anne Fox, Chancellor of the University of California San Diego, talks about learning to do research and modern physical organic chemistry. Brothers Jonathan and Daniel Sessler explain the chemistry of anesthetics that make modern surgery possible while Elizabeth Nolan talks about biological imaging. Terry Collins talks about green chemistry, a more sustainable way of doing chemistry, while several authors including Carl Wamser, Harry Gray, John Magyar, and Penny Brothers discuss the crucial contributions that chemists can make in meeting global energy needs.

Letters to a Young Chemist gives students and professionals alike a unique window into the real world of chemistry. Entertaining, informative, and full of honest and inspiring advice, it serves as a helpful guide throughout your education and career.
“The different chapters describe both the wonders of the molecular world and the practical benefits afforded by chemistry ... and if any girl out there thinks that chemistry is a man’s world, this book should be a good antidote.” —Marye Anne Fox, Chancellor of the University of California, San Diego, and winner of the 2009 US National Medal of Science

“Letters to a Young Chemist offers significant ammunition for motivating young people to consider chemistry as a career. ... This book should also be required reading for all faculty members who teach chemistry in high schools, colleges, and universities.” —Stephen J. Lippard, Arthur Amos Noyes Professor of Chemistry, Massachusetts Institute of Technology, and winner of the 2006 US National Medal of Science

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**ABOUT THE AUTHOR**

Abhik Ghosh, Editor, is a professor of inorganic and materials chemistry at the University of Tromso, Norway. A former Senior Fellow at the San Diego Supercomputer Center and a frequent Visiting Research Fellow at The University of Auckland, New Zealand, he has recently completed a term as an Outstanding Younger Researcher of the Research Council of Norway. He serves or has served on the editorial advisory boards of the *Journal of Inorganic Biochemistry*, the *Journal of Biological Inorganic Chemistry*, and the *Journal of Porphyrins and Phthalocyanines*. His research interests lie at the intersection of bioinorganic, materials and computational chemistry.

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