

"The laboratory in the teaching of chemistry", edited by Prof. Avi Hofstein, and Muhamad Hugerat was published by the Royal Society of Chemistry

From the Preface:

The authors of this book have spent at least a decade researching the educational effectiveness of teaching and learning in the chemistry laboratory. Writing this book gave us an opportunity to include and summarize the many issue and topics related to learning in and from the chemistry laboratory. In this book, laboratory activities are defined as contrived learning experiences in which students interact with materials and equipment to observe phenomena. This book focuses on teaching and learning in the high-school chemistry laboratory. In chemistry learning, the laboratory provides opportunities to 'learn by doing' and to make sense of the physical world. Science educators believe that laboratory instruction is essential because it provides training in observation, prompts the consideration and application of detailed and contextualized information, and cultivates students' curiosity in science.

