



# Laboratory Organic Chemistry, Second Edition

*Chris Ike Azogu*

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# Laboratory Organic Chemistry, Second Edition

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Laboratory Organic Chemistry Techniques, Qualitative Analysis, Organic Preparations and Spectroscopy, Second Edition, retains all the features of the popular earlier edition and has been expanded with five additional chapters on organic spectroscopy. The structure and style of the book not only facilitate easy access by students to the knowledge of practical organic chemistry but stimulate their interest in the subject. It is an ideal companion reference source and guide that makes the laboratory organic chemistry course a rewarding experience for students in the introductory and more advanced organic chemistry programs in universities and other tertiary institutions. This book will help you to become familiar with safety practices and basic first aid procedures in the organic laboratory; develop skills in, and mastery of, essential organic laboratory procedures and techniques such as report writing, refluxing, filtration, solvent extraction, distillation, sublimation, chromatography (thin layer, column, GC, HPLC), melting point and boiling point determination; develop a strong background in the principles and the application of spectroscopic techniques in the characterization of organic functional groups and determination of structures of organic compounds; understand the principles and systematic procedures of qualitative organic analysis; apply the chemistry of functional groups in their characterization and identification; become familiar with tests for biological molecules such as carbohydrates, amino acids and proteins, oils and fats; and acquire some experience in the procedures for carrying out preparations of simple organic molecules, polymers and natural products.

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