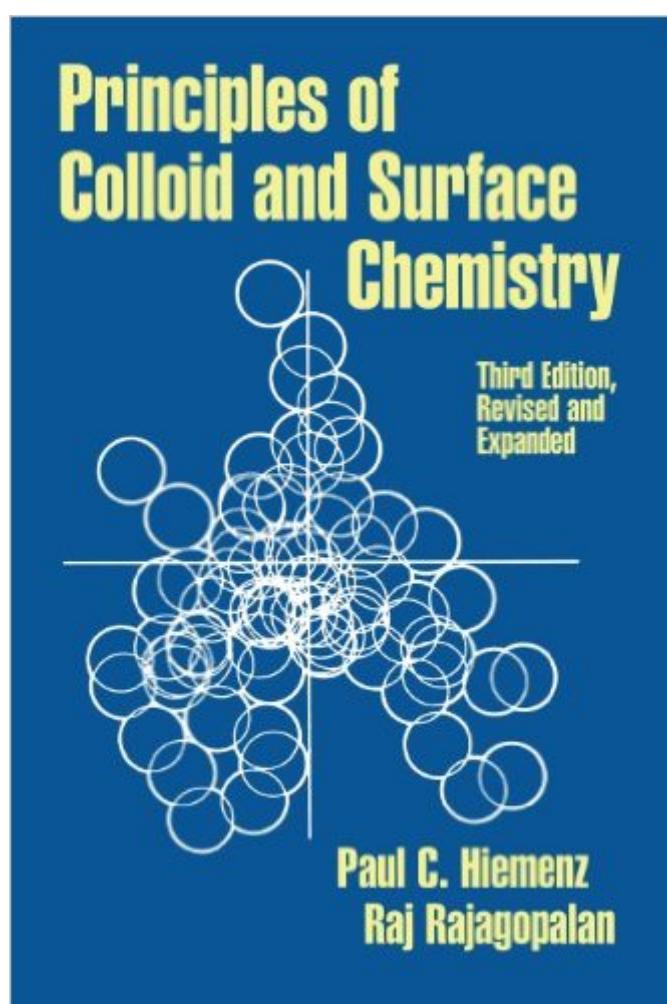


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# Principles Of Colloid And Surface Chemistry, Third Edition, Revised And Expanded (Undergraduate Chemistry: A Series Of Textbooks)



## Synopsis

This work aims to familiarize students with the fundamentals of colloid and surface science, from various types of colloids and colloidal phenomena, and classical and modern characterization/measurement techniques to applications of colloids and surface science in engineering, technology, chemistry, physics and biological and medical sciences. The Journal of Textile Studies proclaims "High praise from peers . . .contains valuable information on many topics of interest to food rheologists and polymer scientists â [The book] should be in the libraries of academic and industrial food research organizations" and Chromatographia describes the book as "â [an excellent textbook, excellently organised, clearly written and well laid out.]"

## Book Information

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## Customer Reviews

This is an excellent textbook for both undergraduate courses (for which it is intended) and for first-year graduate courses. The new edition contains new material on recent developments in colloid science and instrumental techniques, polymer-induced forces, rheology of dispersions and scattering techniques. The many 'Vignettes' included in this edition bring out the interdisciplinary nature of the subject, its impact in medical and biological sciences as well as in numerous engineering areas, and the exciting aspects of colloid science that are not highlighted in other textbooks. There are numerous worked-out examples, review questions at the end of each chapter and annotated references. Highly recommended.

As a teacher of these topics I found this book an excellent one. A very good coverage of fundamentals such as surface and interfacial tension, intermolecular and colloidal interactions, colloidal stability, liophobic and liophytic colloids, electrokinetics phenomena. All these complex topics and more are treated in a very clear and rigorous way. I strongly recommend this book.

I have never taken colloidal chemistry in college. So, when I had to pick this topic up to understand the dispersion system I was working on at work, I was fortunate enough to find this book. This book taught me everything I needed to know about colloidal systems. It's well organized and intuitive. Highly recommended for students in the field

This is an excellent, first-level introduction to colloids and is better than any others available in the market. The vignettes in the book alone are worth the price! Suitable for self-study!

I think this book explains the fundamentals of colloid/surface chemistry very well. It gives some detailed examples, that if followed, provides the reader the concepts and insights that may be difficult to understand. As a student, I would recommend buying this book in the first year in a masters/ PhD program as the concepts can be used throughout the program.

Bought this as a supplement to my graduate courses in surface chemistry. While there is better text available for graduate-level study (Adamson and Gast), this book does a superb job of laying the foundation in colloids and surface chemistry. With a strong background in physical chemistry, the subject matter will be a breeze to learn. I struggled with the courses until I picked this up. I applaud the author for a fine job in organization and layout of material, as well as a basic delivery of theory.

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