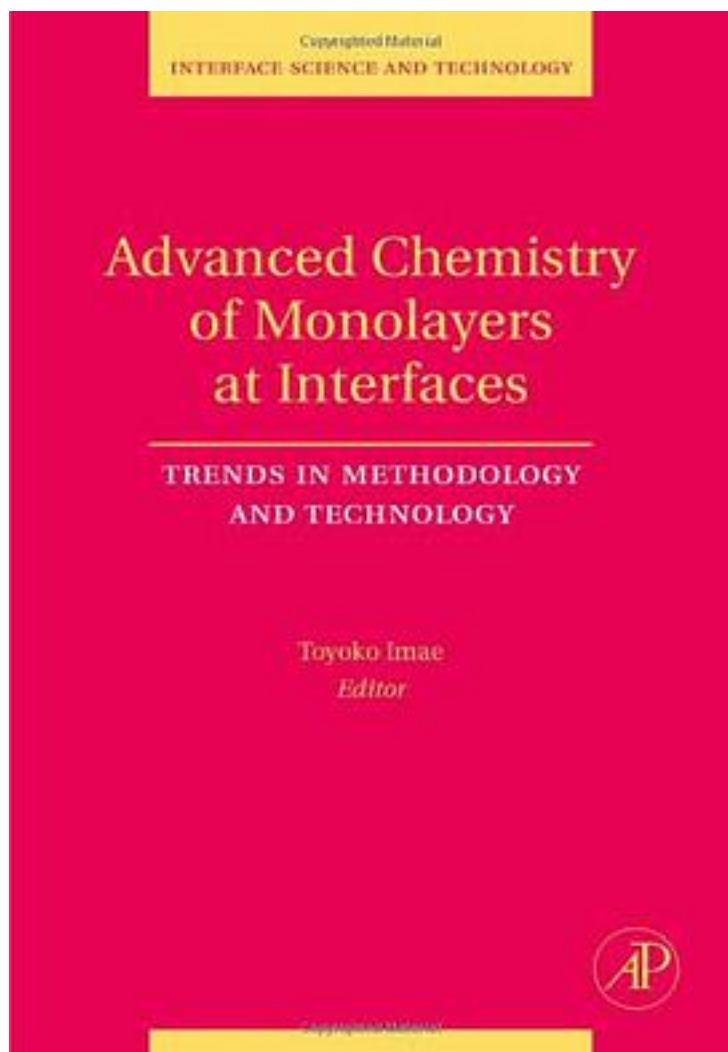


# Advanced Chemistry of Monolayers at Interfaces



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"Advanced Chemistry of Monolayers at Interfaces" describes the advanced chemistry of monolayers at interfaces. It focuses on the recent trends of methodology and technology, which are indispensable in monolayer science. They are applied to monolayers of surfactants, amphiphiles, polymers, dendrimers, enzymes, and proteins, which serve many uses. It introduces the methodologies of scanning probe microscopy, surface force instrumentation, surface spectroscopy, surface plasmon optics, reflectometry, and near-field scanning optical microscopy. Modern interface reaction method, lithographic technology and different types of monolayers like adsorption, Langmuir and Langmuir-Blodgett monolayers at air/liquid, liquid/liquid, liquid/solid and air/solid interfaces, are all covered. Introducing novel methodologies and technologies, it covers the different types of monolayers. It discusses all currently available instrumental techniques for studying all types of monolayer.

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