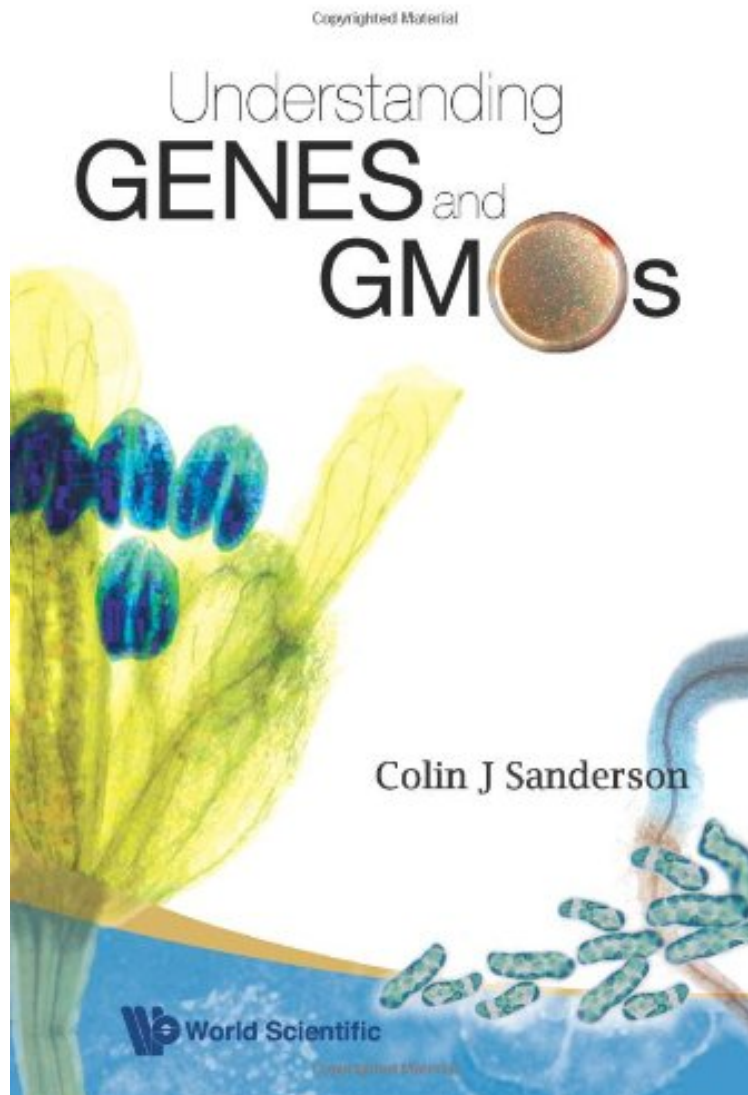


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Understanding Genes and GMOs

Colin J Sanderson

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Colin J Sanderson : Understanding Genes and GMOs before purchasing it in order to gage whether or not it would be worth my time, and all praised Understanding Genes and GMOs:

1 of 1 people found the following review helpful. Very good if you want an introBy Jesse LibertyI was hoping for more depth, but this is excellent if you've not read a solid bio text book on the subject. Written for the undergraduate or intelligent lay-person who doesn't have the time or interest in reading 600 pages.0 of 0 people found the following review helpful. DecentBy Kathy MI agree with the other reviewer that this is a good intro for the intelligent layperson, or college student. Sanderson is adamant that proper terminology be used, which I'm glad to see in a book intended for

laypeople. "Don't be intimidated by scientific jargon, get used to enough of it so we all speak the same language." My only qualm with the book is that the grammar is awful. Mistakes such as, but not limited to, commas where colons should be, as demonstrated in the quote above, are common. The editor did not do his or her job very well..

The rapid progress in genomics and related technologies has increased interest in genetically modified organisms (GMOs). This concise and highly readable book equips the reader with essential information about what genes are, how they work, and how they can be modified and used in biotechnology. The book starts with a summary of the beginnings of life, the structure and components of living organisms, and an outline of genetic engineering. The coverage of human genetics spans race, human evolution and migration, the sex chromosomes, gene therapy, and forensic science. A separate chapter is devoted to the genetics and evolution of some of the major disease-causing organisms. On environmental genetics, the book considers the risks of releasing agricultural GM plants, as well as bioremediation and metal extraction by GM plants. Applications of genetic modification in agriculture pest-resistant plants, herbicide resistance, and improved foods are presented as part of a discussion on sustainable agriculture to emphasize the role played by GM plants in relation to chemicals, analytic techniques, and organic farming.