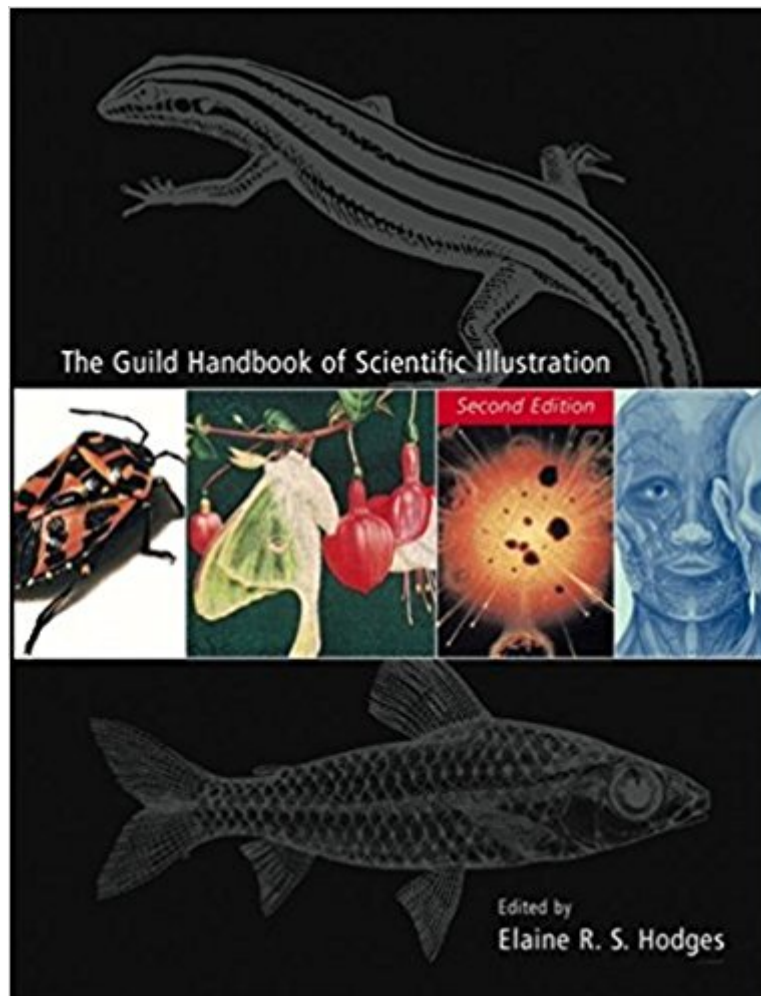


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# The Guild Handbook Of Scientific Illustration



## Synopsis

The Guild Handbook of Scientific Illustration, Second Edition Sponsored by the Guild of Natural Science Illustrators and written by top illustrators, scientists, and industry experts, The Guild Handbook of Scientific Illustration, Second Edition is an indispensable reference guide for anyone who produces, assigns, or simply appreciates scientific illustration. Offering broad coverage and more than 620 outstanding illustrations, this new edition offers up-to-date coverage on all aspects of this specialized field, from illustrating molecules and 3D modeling to important material and advice on copyright and contractual concerns, as well as establishing a freelance business. With step-by-step instructions, in-depth coverage of illustrative techniques and related tools, and helpful advice on the day-to-day business of scientific illustrating, it is easy to see why scientific illustrators refer to this book as their "bible."

## Book Information

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## Customer Reviews

The skills of the scientific illustrator must extend far beyond the ability to create an attractive drawing. In addition to mastering the standard repertoire of artist's techniques and digital drawing tools, successful scientific illustrators must understand and be proficient in a host of techniques and methods unique to their field. Sponsored by the Guild of Natural Science Illustrators and written by top illustrators, scientists, and industry experts, The Guild Handbook of Scientific Illustration, Second Edition is an indispensable reference guide for novice and professional illustrators and scientists. This Second Edition offers broad coverage, ranging from a basic

discussion of the roles and responsibilities of the scientist (or client) and the illustrator to the most current technological advances in the field. It includes new chapters on basic computer graphics, murals, model building, illustrating molecules, astronomy, 3D modeling, and earth sciences. The hundreds of tools and materials that the illustrator uses are examined here, with specific recommendations for surfaces, media, drawing tools, propping materials, measuring devices, and more. Real-world guidance, best practices, and helpful tips support the text, as well as information on innovative applications unique to scientific illustration. All aspects of illustrating scientific subjects are covered, from depicting specimens to preserving finished illustrations. Care and handling of often-rare specimens and understanding the anatomy of taxonomic groups are addressed in the section on subject matter. This section treats the illustration of physical sciences, plants, animals, and fossils, including wildlife, anthropological and archaeological artifacts, and medical subjects. Each chapter lists the materials needed to illustrate the specimens and explains any conventions to follow when depicting a subject. Beyond basic skills, the section on rendering techniques explores new materials and innovative methods, as well as traditional standbys and their applicability to scientific illustration. Each chapter in this section includes a comprehensive list of various drawing surfaces and other implements. Step-by-step instructions for a variety of illustrative techniques and related tools are explored in detail, such as drawing with ink, pencils, carbon dust, watercolor and wash, gouache, acrylics, airbrush, and digital media. Scientific illustration is more than just rendering specimens, however. This practical volume provides information on using microscopes; creating charts, diagrams, and maps; reproducing artwork, both as slides or prints and for publication; and creating the best archival conditions. Important material and advice is provided on copyright and contractual concerns, as well as establishing a freelance business. With more than 620 outstanding examples of scientific illustration in black-and-white and color, this veritable encyclopedia of scientific illustration also serves as a source of inspiration, regardless of your area of interest. Scientific illustrators refer to it as their "bible." This gorgeous, comprehensive handbook belongs on the shelf of anyone who produces, assigns, or simply appreciates scientific illustration.

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on copyright and contractual concerns, as well as establishing a freelance business. With step-by-step instructions, in-depth coverage of illustrative techniques and related tools, and helpful advice on the day-to-day business of scientific illustrating, it is easy to see why scientific illustrators refer to this book as their "bible."

There is so much more information in this book than I expected. Enough to get you started on all sorts of mediums. Based on other "handbooks" I have, I wasn't expecting such thorough information. It covers many mediums and many subjects. Very comprehensive.

Excellent book, very complete. Wouldn't be without it.

Excellent guide. Everything required and more. Great for the experienced professional or the novice. Very happy with the book.

This is the most extraordinary reference guide for both scientists and illustrators. I found it going through the National Guild of scientific illustrators recommendation list. A must have for illustrators.

Just exactly what we were looking for.

I have little to add to the other reviews except to maybe say that I've tried to collect whatever published material exists on scientific illustration over the past 40 years, and this is the only one to buy. Anything else is now superfluous.

Since its first edition this book has been by far the best single resource available for anyone with a serious interest in scientific, medical, biological, nature, botanical, or wildlife illustration. Don't be daunted by the price - this book is worth far more than the next 10 competing books combined. I've been a professional medical and scientific illustrator for 35 years, and I own hundreds of books on the subject, but I think this single volume should be the foundation of any reference library on visual communication in the biomedical sciences.

This book is by far the best resource for the beginner or the experienced in techniques new and old, as well as materials and even marketing. I am so impressed with this book and I highly recommend it to anyone interested in scientific illustration!

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