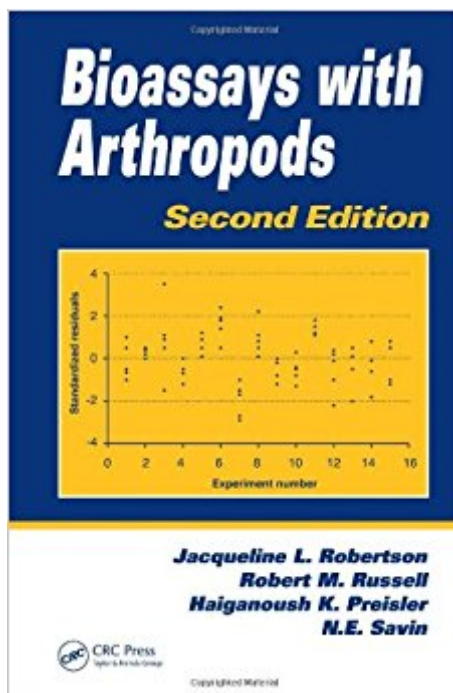


The book was found

# Bioassays With Arthropods, Second Edition



## Synopsis

Providing clear examples of the use of state-of-the-art computer programs for analyses of bioassay data, *Bioassays with Arthropods, Second Edition* explains the statistical basis and analysis for each kind of quantal response bioassay. The first edition was a must-have reference for designing, conducting, and interpreting bioassays: this completely revised and updated second edition is positioned to be the same. New in the Second Edition: • Includes new chapters on Natural Variation, Quarantine Statistics, Statistical Analysis of Data from Bioassays with Microbial Insecticides, and Pesticide Resistance • Emphasizes estimation of natural variation in response as the necessary precursor for claims of pesticide resistance, varietal differences, and differences in microbial potency • Expands the coverage of binary Quantal Response: Dose Number, Dose Selection, and Sample Size • Discusses varietal testing of horticultural exports • Introduces two Windows-based computer programs (PoloPlus and PoloEncore) for the analyses of binary and multiple response analyses, respectively Building on the foundation set by the much-cited first edition, the authors clearly delineate applications and ideas that are exceptionally challenging for those not already familiar with their use. They lead you through the methods with such ease and organization, that you suddenly find yourself readily able to apply concepts that you never thought you would understand. To order the Polo computer software described in *Bioassays with Arthropods, Second Edition*, use the order form found at [www.leorasoftware.com](http://www.leorasoftware.com) or contact theLeOra Software Company at .

## Book Information

Hardcover: 224 pages

Publisher: CRC Press; 2 edition (June 14, 2007)

Language: English

ISBN-10: 0849323312

ISBN-13: 978-0849323317

Product Dimensions: 0.5 x 6.2 x 9.5 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,749,517 in Books (See Top 100 in Books) #94 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Insecticides & Pesticides #1072 in Books > Science & Math > Biological Sciences > Biology > Entomology #2179

## Customer Reviews

"When the first edition of this book was published in 1992, senior entomologists and students alike breathed a sigh of relief. Suddenly, we had a reference written in tractable language and relatively free of Greek symbols, or mathematical coding that sends many students of biological sciences into immediate mental block. In addition, now we had sensible, down to earth interpretations of POLO inputs and outputs. Even better for the non-mathematical or statistically inclined, their questions concerning how many doses, how many replicates, or how many insects to use in the design of their bioassay experiments, were answered in comprehensible language. â | very much look forward to the second edition.â • â • Susan P Worner, Bio-Protection and Ecology Division, Lincoln University, NEW ZEALAND â œThis small volume is a bible for those who design and/or conduct and interpret bioassays. â | There are statistical formulae and excellent discussions of Probit, Logit, and goodness-of-fit tests. This is a must for anyone doing bioassays or for interpreting bioassay data.â • â • Florence V. Dunkel, Montana State University â œThere are not too many people who can write such a book and do justice to the statistics like these authors can.â • â • Thomas A. Miller, University of California, Riverside"â | an excellent reference and guide for use in designing, conducting, and analyzing a wide variety of bioassays. â | Additions to the second edition include chapters on natural variation, quarantine statistics, microbial insecticide testing, and pesticide resistance. Many topics and discussions also have been expanded throughout the second edition. Another important and noteworthy revision is that much of the text is geared towards POLOPLUS â,,ç, which is an analytical software package developed and marketed by the co-authors. Other proprietary software described in the book includes PoloMixâ,,ç and PoloEncoreâ,,ç. â | In conclusion, Bioassays with Arthropods is an excellent desktop reference and guide for use in designing, conducting, and analyzing a wide variety of bioassays that investigate a wide variety of chemistries and simulated environmental treatments. The book has utility for everyone from the beginning graduate student to the seasoned professional researcher. Additionally, this reviewer further recommends the book as a very suitable companion book for courses specifically dealing with arthropod toxicology and pest management science."â • M. E. Scharf, Entomology & Nematology Dept., University of Florida, Gainesville, in Florida Entomologist 91(3), Sept. 2008"â | this book has an expanded scope. â | this one adds a sense of humor. The text does a good job of introducing the basic concepts of toxicity testing."â • Glenn Suter in Integrated Environmental 4(2) 2008"â | not only tremendously informative, but also a pleasure to read. â | the reader is provided

not only with the correct design but also statistical equations with clear explanations of their meaning. The authors also provide guidance on the use of LeOra Software, including PoloPlus, PoloMix, PoloDose, and PoloEncore, for straightforward, user-friendly statistical analysis. It is this step-by-step process throughout the book that is so helpful in tying all of these complex topics together into a story that is fun to read. | a wonderful reference text for both beginning and experienced researchers." •Denny Bruck, Horticultural Crops Research Laboratory, USDA-DARS, Corvallis, Oregon, USA, in Journal of Economic Entomology, February 2009

LeOra Software, Petaluma, California, USA LeOra Software, El Cerrito, California, USA USDA Forest Service, Albany, California, USA University of Iowa, Iowa City, USA

[Download to continue reading...](#)

Bioassays with Arthropods, Second Edition Forensic Entomology: The Utility of Arthropods in Legal Investigations, Second Edition Physician's Guide to Arthropods of Medical Importance, Sixth Edition Physician's Guide to Arthropods of Medical Importance, Fourth Edition A Veterinary Guide to the Parasites of Reptiles, Vol. 2: Arthropods (Excluding Mites) Insects and Wildlife: Arthropods and their Relationships with Wild Vertebrate Animals Strangers in Our Midst: The Startling World of Sonoran Desert Arthropods Medical Entomology: A Textbook on Public Health and Veterinary Problems Caused by Arthropods Arthropods as Vectors of Emerging Diseases (Parasitology Research Monographs) Helminths, Arthropods and Protozoa of Domesticated Animals Infectious Diseases and Arthropods Technology in the Law Office, Second Edition (Technology in the Law Office, Second Edition) By Adel Afifi - Functional Neuroanatomy, 2nd (second) Edition: Text and Atlas: 2nd (second) Edition Elementary Number Theory: Second Edition (Dover Books on Mathematics) 2nd (second) Edition by Underwood Dudley published by Dover Publications (2008) Introduction to Coastal Processes and Geomorphology, Second Edition 2nd (second) Edition by Masselink, Gerd, Hughes, Michael, Knight, Jasper published by Routledge (2011) Lecture Ready Student Book 2, Second Edition (Lecture Ready Second Edition 2) Dual Language Development & Disorders: A Handbook on Bilingualism & Second Language Learning, Second Edition (CLI) Grandparents as Parents, Second Edition: A Survival Guide for Raising a Second Family Access to History for the IB Diploma: The Second World War and the Americas 1933-1945 Second Edition Lancaster County Second Chances 6-Book Boxed Set Bundle (Lancaster County Second Chances (An Amish Of Lancaster County Saga) 7)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)