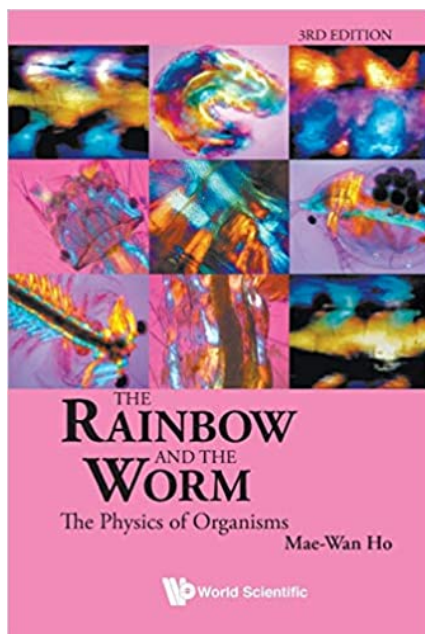


Rainbow And The Worm, The: The Physics Of Organisms (3rd Edition)



About the Book

This highly unusual book began as a serious inquiry into Schrödinger's question, "What is life?", and as a celebration of life itself. It takes the reader on a voyage of discovery through many areas of contemporary physics, from non-equilibrium thermodynamics and quantum optics to liquid crystals and fractals, all necessary for illuminating the problem of life. In the process, the reader is treated to a rare and exquisite view of the organism, gaining novel insights not only into the physics, but also into "the poetry and meaning of being alive."

This much-enlarged third edition includes new findings on the central role of biological water in organizing living processes; it also completes the author's novel theory of the organism and its applications in ecology, physiology and brain science.

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About the Author

Mae-Wan Ho, B.Sc. (First Class) and Ph.D. Biochemistry, Hong Kong University, embarked on a distinguished academic career that included Postdoctoral Fellow in Neurosciences, University of California at San Diego; Fellow of the National Genetics Foundation, USA; Senior Research Fellow, University of London; and Lecturer in Genetics and then Reader in Biology, Open University, UK. Her research evolved through biochemistry, molecular genetics and non-Darwinian evolution to the physics of organisms — a new discipline defined in the present book, first published in 1993 and the 2nd edition in 1998 – and is widely acclaimed by serious scientists and non-scientists alike. Her other books include *Bioelectrodynamics and Biocommunication* (1994), *Bioenergetics* (1995), *Genetic Engineering: Dream or Nightmare?* (1998, 1999, reprint with extended introduction in 2007), *Living with the Fluid Genome* (2003), *Energy and Information Transfer in Biological Systems* (2003), *Unravelling AIDS* (2005), *Which Energy?* (2006), *Food Futures Now, Organic, Sustainable, Fossil Fuel Free* (2008). Mae-Wan Ho now lives in London with her husband, and is Director and co-founder of the Institute of Science in Society (www.i-sis.org.uk) and Editor of *Science in Society*.

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