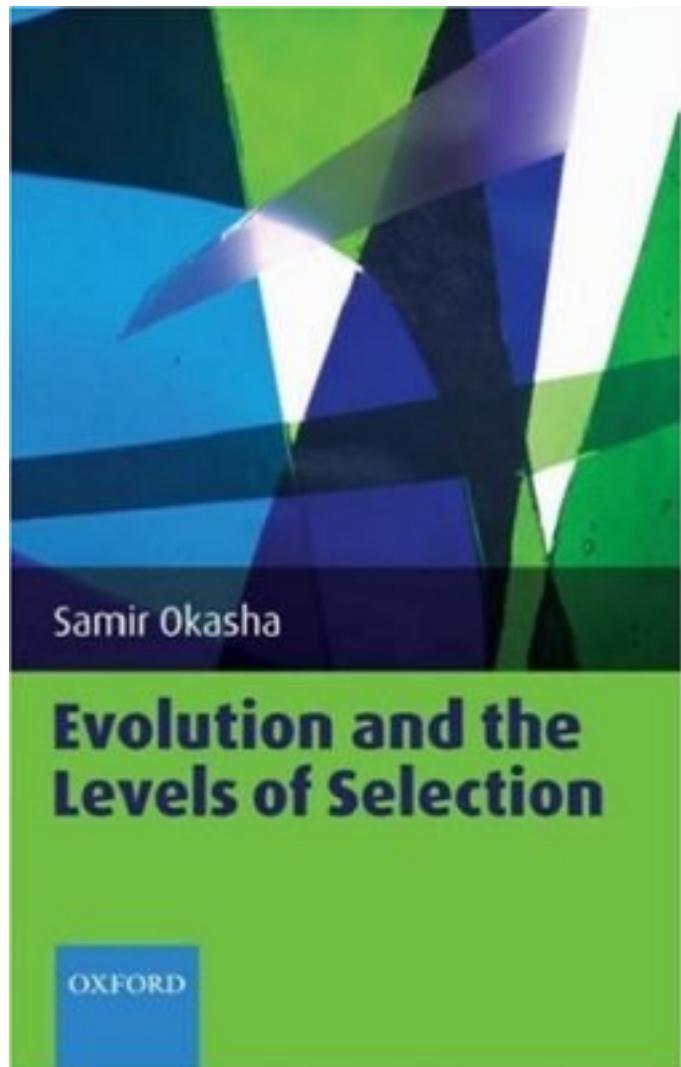


# Evolution and the Levels of Selection



[Evolution and the Levels of Selection 下载链接1](#)

著者:Samir Okasha

出版者:Oxford University Press

出版时间:2007

装帧:Hardcover

isbn:9780199267972

Does natural selection act primarily on individual organisms, on groups, on genes, or on whole species? Samir Okasha provides a comprehensive analysis of the debate in evolutionary biology over the levels of selection, focusing on conceptual, philosophical and foundational questions. A systematic framework is developed for thinking about natural selection acting at multiple levels of the biological hierarchy; the framework is then used to help resolve outstanding issues. Considerable attention is paid to the concept of causality as it relates to the levels of selection, in particular the idea that natural selection at one hierarchical level can have effects that 'filter' up or down to other levels. Unlike previous work in this area by philosophers of science, full account is taken of the recent biological literature on 'major evolutionary transitions' and the recent resurgence of interest in multi-level selection theory among biologists. Other biological topics discussed include Price's equation, kin and group selection, the gene's eye view, evolutionary game theory, outlaws and selfish genetic elements, species and clade selection, and the evolution of individuality. Philosophical topics discussed include reductionism and holism, causation and correlation, the nature of hierarchical organization, and realism and pluralism.

作者介绍:

Samir Okasha, Reader in Philosophy of Science, University of Bristol

目录:

[Evolution and the Levels of Selection 下载链接1](#)

标签

哲学

Evolution

科学哲学

evolution

P-O-B

评论

---

[Evolution and the Levels of Selection 下载链接1](#)

书评

---

[Evolution and the Levels of Selection 下载链接1](#)