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**Roberts and Company Publishers**

*The following review appeared in the January 2015 issue of CHOICE:*

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Kassen, Rees. Experimental evolution and the nature of biodiversity. Roberts and Company, 2014. 277p bibl index ISBN 9781936221462 pbk, $45.00.

This interesting, informative book is a thorough review of the emerging field of experimental evolution.  It is divided into two sections: "Adaptation" and "Diversification."  The five chapters in each section address specific topics or questions related to the section.  Kassen (Univ. of Ottawa) presents an in-depth discussion of evolution experiments using microbial systems and then uses that discussion as a framework to explore the particular evolutionary process in less experimentally tractable organisms (i.e., animals).  The well-organized work is clearly and engagingly written, with effective figures and tables from primary sources reproduced or adapted to support the narrative.  Numerous primary sources are cited.  Overall, the book successfully demonstrates that using microbial systems is a workable approach to treating evolution as an experimental science instead of an inferential science.

*--M. S. Kainz, Ripon College*

Summing Up: Highly recommended. Lower-division undergraduates through professionals in evolutionary science; general readers.