Contents

Preface ix

Introduction: Ecologists Disagree on What Ecology Is and How to Do It. Good. *1*

1 The Diversity of Ecology *7*

2 The Benefits of Diversity, in Nature and in Ecology *45*

3 Complementarity *51*

4 Selection *66*

5 Diverse Tools for Diverse Jobs: The Many Uses of Mathematical Models *110*

6 Fighting Lack of Diversity: The Value of Contrarians *145*

7 Tying It All Together: The Many Roads to Generality in Ecology *160*

8 The Downsides of Diversity *189*

9 It's Not Just Ecology *199*

10 The Hedgehog and the Fox *209*

Acknowledgments 221
References 223
Index 271