## Contents

1. Introduction to Organic Nonoptimal Constrained Evolution (ONCE) and Notes on Terminology ........................................... 1

2. Baldwin’s Organic Selection and the Increasing Awareness of the Evolutionary Importance of Behavioral Shifts ............... 25


5. Behavioral Leads in Evolution: Exaptations, Human Evolution, Lamarck, the Cuvier-Geoffroy Debate, and Form Versus Function ................................................................. 73


7. Internal Selection, Constraints, Contingency, Homology, Reversions, Atavisms, von Baer, Haeckel, and Alberch ................ 129

8. ONCE Links Internal Factors, Epigenetics, Matsuda, Waddington, Goldschmidt, and Macroevolution ......................... 157

9. ONCE Ideas Are Put Together: Evolutionary Behavioral Ecology, Adaptationism, Systems Biology, and Interdisciplinary ................................................................. 191

10. General Remarks ........................................................................ 211

References .................................................................................. 217

Index .......................................................................................... 235
Evolution Driven by Organismal Behavior
A Unifying View of Life, Function, Form, Mismatches and Trends
Diogo, R.
2017, XVIII, 252 p. 26 illus., 14 illus. in color., Hardcover
ISBN: 978-3-319-47580-6