



1st ed. 2018, VI, 209 p. 19 illus., 3 illus. in color.

Printed book

Hardcover

129,99 € | £109.99 | \$159.99

^[1]139,09 € (D) | 142,99 € (A) | CHF 153,50

Softcover

129,99 € | £109.99 | \$159.99

^[1]139,09 € (D) | 142,99 € (A) | CHF 153,50

eBook

107,09 € | £87.50 | \$119.00

^[2]107,09 € (D) | 107,09 € (A) | CHF 122,50

Available from your library or springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Igor Popov

Orthogenesis versus Darwinism

- Broadens the understanding of non-Darwinian scientific concepts
- Clarifies the differences between various orthogenetic concepts by analysing their history and relationships
- Maximizes reader insights into the main points of scientific criticism of the natural selection theory
- Opens new vistas for the elaboration of alternative evolutionary concepts
- Takes into account publications in five languages (English, Russian, French, Spanish, German)

This book reviews the convoluted history of orthogenesis with an emphasis of non-English sources, untangles relationships between various concepts of directed evolution and argues whether orthogenesis has something to offer modern biology. Darwinism claims that evolution occurs by selection from an extensive random variability. An alternative viewpoint—that the material for variability is limited and organisms are predisposed to vary in certain directions—is the essence of evolutionary concepts that can be grouped together under the name of orthogenesis. Dating back to Lamarck, orthogenesis has existed in many guises. Branded as mystical and discarded as unscientific, it keeps re-emerging in evolutionary discussions.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

