

Springer

1st
edition1st ed. 2018, VI, 209 p. 19
illus., 3 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-3-319-95143-0

\$ 159,99

Available

Discount group

Professional Books (2)

Product category

Monograph

Other renditions

Softcover

ISBN 978-3-030-06983-4

Life Sciences : Evolutionary Biology

Popov, Igor, Saint Petersburg State University, N. N. Petrov Research Institute of Oncology, Saint Petersburg, Russia

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/booksellers**Springer Nature Customer Service Center LLC**

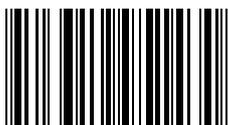
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-3-319-95143-0 / BIC: PSAJ / SPRINGER NATURE: SCL21001

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**