

Springer

1st
edition

1st ed. 2020, XXIII, 909 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-3-030-21613-9

£ 159,99 | CHF 212,50 | 179,99 € |

197,99 € (A) | 192,59 € (D)

Available

Discount group

Science (SC)

Product category

Proceedings

Series

Lecture Notes in Earth System Sciences

Earth Sciences : Earth System Sciences

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Processes and Phenomena on the Boundary Between Biogenic and Abiogenic Nature

- Presents a wide range of problems connecting with interactions between biogenic and abiogenic components in lithosphere, biosphere and technosphere
- Offers new interesting data about biomineralization and nature-like materials and technologies
- Discusses questions of biodeterioration of natural and artificial materials

The book represents a collection of papers presented at VI International Symposium "Biogenic - abiogenic interactions in natural and anthropogenic systems" that was held on 24-27 September 2018 in Saint Petersburg (Russia). Papers in this book cover a wide range of topics connecting with interactions between biogenic and abiogenic components in lithosphere, biosphere and technosphere. The main regarding topics are following: methods for studying the interactions between biogenic and abiogenic components; geochemistry of biogenic-abiogenic systems; biomineralization and nature-like materials and technologies; medical geology; biomineralogy and organic mineralogy; biomineral interactions in soil; biodeterioration of natural and artificial materials; biomineral interactions in extreme environment.

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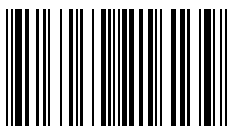
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