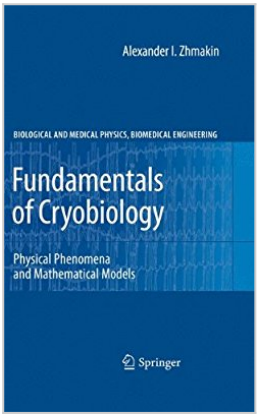

Fundamentals of Cryobiology: Physical Phenomena and Mathematical Models (Biological and Medical Physics, Biomedical Engineering)

By Alexander I. Zhmakin

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Editorial Review

From the Back Cover

The book gives a summary of the state-of-the-art of cryobiology and its applications. The accent is on the underlying physical phenomena, which are common in such opposite applications as cryosurgery and cryoconservation, and the corresponding mathematical models, including numerical ones. The treatment of some more special issues is moved to the appendices. The glossary contains definitions and explanations of the major entities. All the topics considered are well referenced. The book is useful to both biologists and physicits of different level including practioners and graduate students.

About the Author

Born 12.03.1951 in Leningrad, USSR. Graduate from Leningrad Polytechnical Institute in 1974. Leading Researcher at Ioffe Physical Technical Institute and Saint-Petersburg Branch of Joint Supercomputing Center, Russian Academy of Sciences; Ph.D (1980) and Dr. Sci (1992) from Leningrad Polytechnical Institute. Main interests: numerical methods, computational physics, crystal growth, high-performance computing

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