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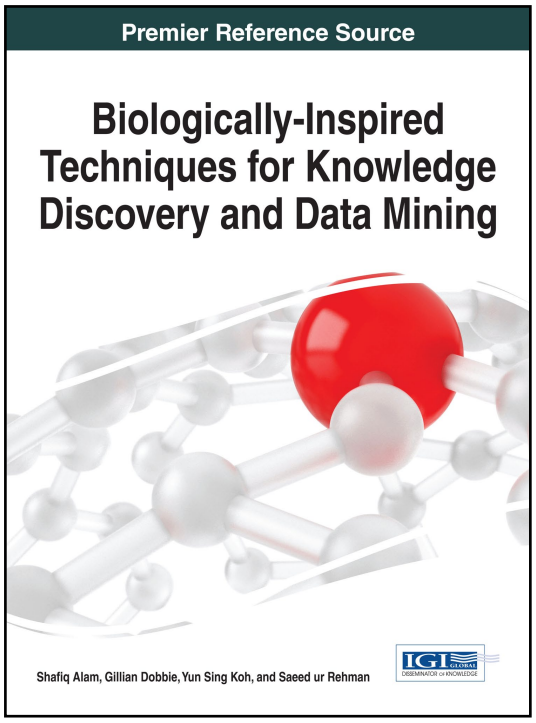
Biologically-Inspired Techniques for Knowledge Discovery and Data Mining



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Part of the Advances in Data Mining and Database Management Book Series

Shafiq Alam (University of Auckland, New Zealand),
Gillian Dobbie (University of Auckland, New Zealand),
Yun Sing Koh (University of Auckland, New Zealand), and
Saeed ur Rehman (Unitec Institute of Technology, New Zealand)

Biologically-inspired data mining has a wide variety of applications in areas such as data clustering, classification, sequential pattern mining, and information extraction in healthcare and bioinformatics. Over the past decade, research materials in this area have dramatically increased, providing clear evidence of the popularity of these techniques.

Biologically-Inspired Techniques for Knowledge Discovery and Data Mining exemplifies prestigious research and shares the practices that have allowed these areas to grow and flourish. This essential reference publication highlights contemporary findings in the area of biologically-inspired techniques in data mining domains and their implementation in real-life problems. Providing quality work from established researchers, this publication serves to extend existing knowledge within the research communities of data mining and knowledge discovery, as well as for academicians and students in the field.

Topics Covered:

- Ant Colony Optimization
- Artificial Immune System
- Artificial Neural Networks
- Bee Colony Optimization
- Fuzzy Systems
- Genetic Algorithms
- Particle Swarm Optimization

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.

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Gillian Dobbie (University of Auckland, New Zealand)
Yun Sing Koh (University of Auckland, New Zealand)
Saeed U. Rehman (University of Auckland, New Zealand)

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