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Titolo	Soft Computing for Biological Systems / / edited by Hemant J. Purohit, Vipin Chandra Kalia, Ravi Prabhakar More
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ISBN	981-10-7455-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (301 pages) : illustrations
Disciplina	570.285
Soggetti	Bioinformatics
	Gene expression
	Biomedical engineering
	Medical genetics
	Gene Expression
	Biomedical Engineering/Biotechnology
	Computational Biology/Bioinformatics
Lingua di pubblicazione	Inglese
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	and tools for Bacteria DNA Barcoding data analysis 13. Fish DNA Barcoding: A comprehensive survey of the Bioinformatics tools and databases.
Sommario/riassunto	This book explains how the biological systems and their functions are driven by genetic information stored in the DNA, and their expression driven by different factors. The soft computing approach recognizes the different patterns in DNA sequence and try to assign the biological relevance with available information. The book also focuses on using the soft-computing approach to predict protein-protein interactions, gene expression and networks. The insights from these studies can be used in metagenomic data analysis and predicting artificial neural networks.