

Preface

This book is about application of computational intelligence to biology.

Chapter “[Enhancing the Performance of Multi-parameter Patient Monitors by Homogeneous Kernel Maps](#)” deals with enhancing the performance of multi-parameter patient monitors by homogeneous kernel maps. Chapter “[Augmenting the Performance of Multi-patient Parameter Monitoring System in LKSVM](#)” deals with augmenting the performance of multi-parameter patient monitoring system in LKSVM. Chapter “[An Efficient Classification Model Based on Ensemble of Fuzzy-Rough Classifier for Analysis of Medical Data](#)” deals with an efficient classification model based on ensemble of fuzzy-rough classifier for analysis of medical data. Chapter “[A Comparative Study of Various Minutiae Extraction Methods for Fingerprint Recognition Based on Score-Level Fusion](#)” shows a comparative study of various minutiae extraction methods for fingerprint recognition based on score-level fusion. Chapter “[Hybrid Model for Analysis of Abnormalities in Diabetic Cardiomyopathy](#)” is about a hybrid model for the analysis of abnormalities in diabetic cardiomyopathy. Chapter “[Computational Screening of DrugBank Database for Novel Cell Cycle Inhibitors](#)” is concerned with computational screening of DrugBank database for novel cell cycle inhibitors. Chapter “[Pathway Analysis of Highly Conserved Mitogen-Activated Protein Kinases \(MAPKs\)](#)” is about pathway analysis of highly conserved mitogen-activated protein kinases. Chapter “[Identification of Drug Targets from Integrated Database of Diabetes Mellitus Genes using Protein–Protein Interactions](#)” focuses on identification of drug targets from integrated database of diabetes mellitus genes using protein–protein interactions. Chapter “[Distributed Data Mining for Modeling and Prediction of Skin Condition in Cosmetic Industry—A Rough Set Theory Approach](#)” is based on distributed data mining for modeling and prediction of skin condition in cosmetic industry using a rough set theory approach.

Application of Computational Intelligence to Biology

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