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Pharmacoinformatics and Drug Discovery Technologies: Theories and Applications

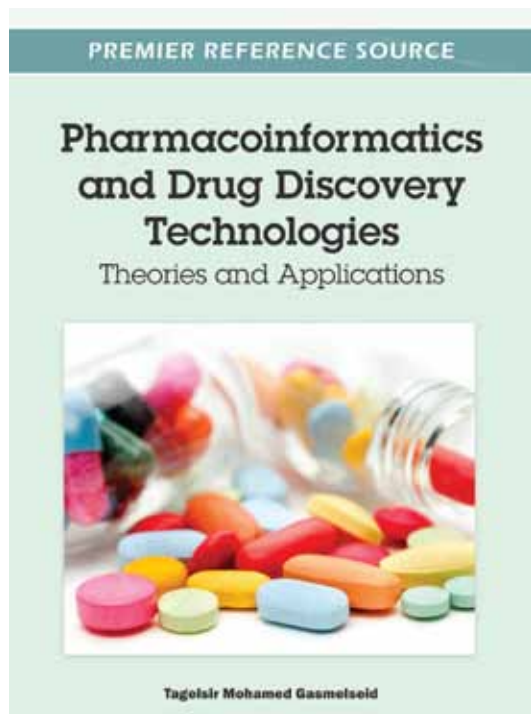
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(King Faisal University, Kingdom of Saudi Arabia)

Within the context of integrated health management domains, pharmacoinformatics aims at maximizing the benefits from the use of information systems and technologies for the provision of decision support tools necessary for improved drug management, use, and administration practices.

Pharmacoinformatics and Drug Discovery Technologies: Theories and Applications offers the latest the field has to offer to practitioners and academics alike, presented through theoretical frameworks, case studies, and future directions. This vital resource gathers an integrated pattern of high quality publications from around the world providing current, current-edge, and provocative scientific work in the three domains of pharmacoinformatics: decision making domains, knowledge utilization and representation environment, and the technological and infrastructural context.

Topics Covered:

- Artificial neural networks
- Capacity building
- Cluster analysis and data mining
- Computing paradigms
- Education
- Information representation
- Pharmacoinformatics infrastructure
- Pharmacovigilance
- Pharmacy management
- Reporting systems



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Tagelsir Mohamed Gasmelseid holds BSc, MSc, postgraduate diploma, MPhil and PhD degrees in information systems. He published some articles in referred journal and contributed to some international conferences. His research interests include multi-agent, mobile and context aware systems, agent oriented software engineering and simulation, service oriented architectures and the use of software agents in management and decision support systems for Hydroinformatics, electronic commerce, medical informatics and electronic government. He is affiliated as an associate professor, Information Systems, College of Computer Sciences and Information Technology, King Faisal University (Saudi Arabia).



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