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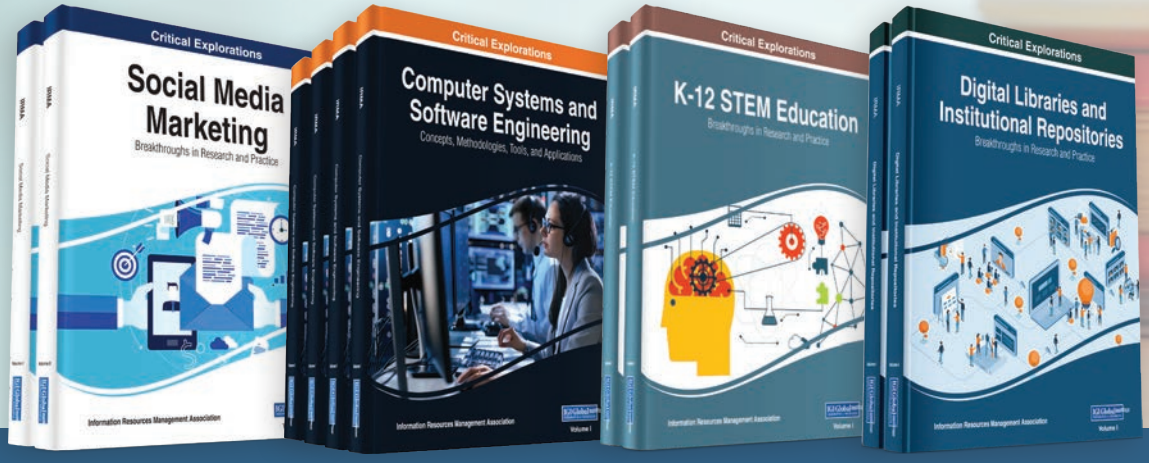

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Sincerely,

Melissa Wagner
Editorial Director

Editor-in-Chief of IGI Global's Research Anthologies

Mehdi Khosrow-Pour, D.B.A.
Executive Editor, IGI Global

Dr. Mehdi Khosrow-Pour has decades of experience and expertise editing authoritative major reference works and scholarly journals. Some of his most recognizable career achievements have been editing the five-volume **Encyclopedia of Information Science and Technology, First Edition** (2005) which has now led up to the **Fifth Edition** set for release in July of 2020. He also served as Editor-in-Chief of the three-volume **Encyclopedia of Criminal Activities and the Deep Web** (February 2020), the two-volume **Encyclopedia of E-Commerce, E-Government, and Mobile Commerce** (March 2006), along with over 24+ major reference works. Furthermore, he is the Founding Editor-in-Chief of four highly-indexed journals, the **Information Resources Management Journal**, the **Journal of Electronic Commerce in Organizations**, the **Journal of Cases on Information Technology**, and the **Journal of Information Technology Research**. Having collaborated in the academic publishing arena for more than 30 years, he has had the opportunity to conduct his own research and writing activities as well as serve as IGI Global's Executive Editor, cultivating some of the most innovative research findings from prominent researchers all over the world. His positive experiences leading book and journal projects paired with his strong command of the latest trending research topics inspired these comprehensive research anthologies.

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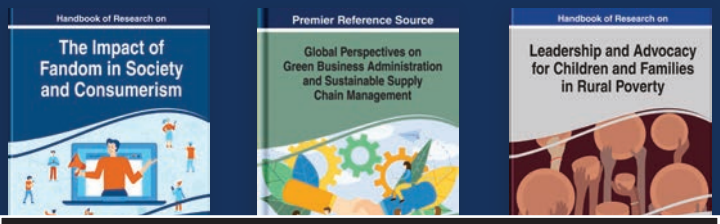

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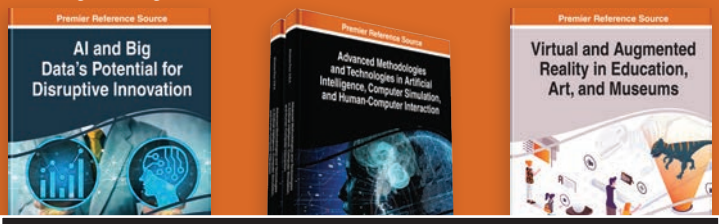

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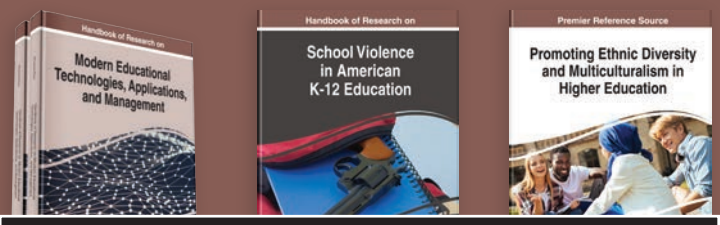

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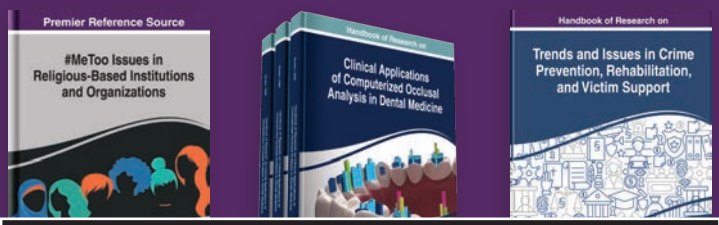

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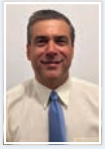

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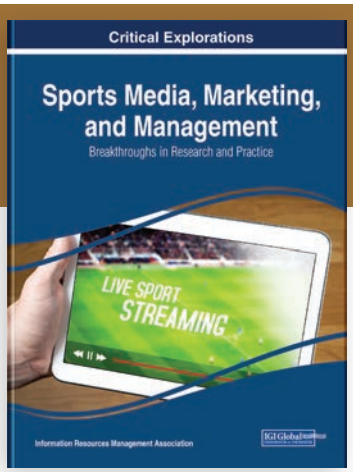

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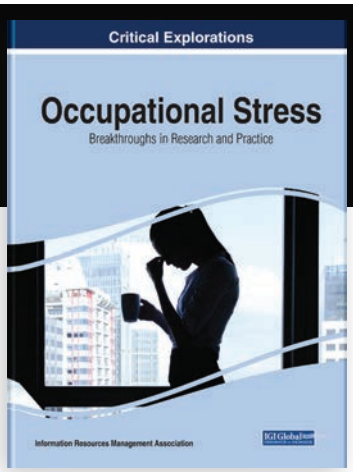
Occupational Stress: Breakthroughs in Research and Practice



Modern society places a great deal of importance on work and work dedication. Current occupational culture incentivizes an employee's willingness to work longer hours and the inclination to take on more responsibilities. However, overextension at work can have profound negative impacts on the physical health and mental health of employees. Long hours, heavy workloads, and tight deadlines can lead to a significant increase in the amount of stress that an employee feels in the workplace. These factors can lead to higher turnover and absenteeism among an otherwise enviable group of employees. More serious stressors, such as a toxic work environment or workplace bullying, can exacerbate these problems.

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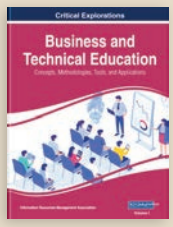

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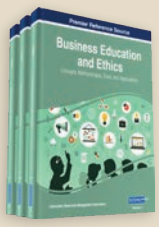

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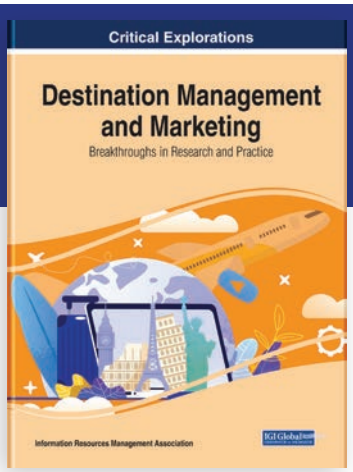

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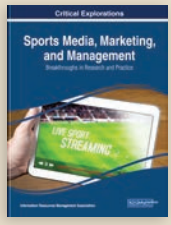

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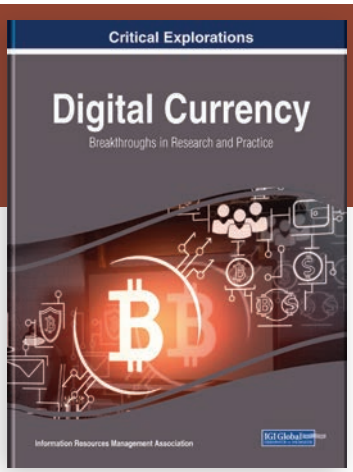

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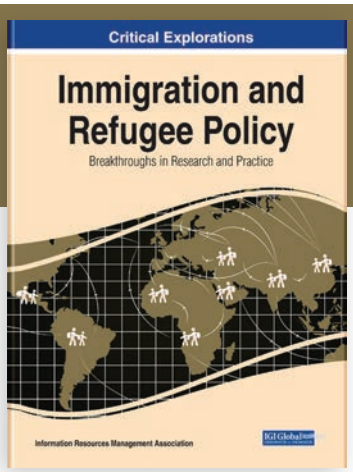

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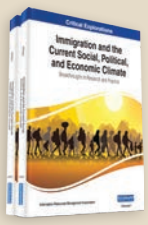

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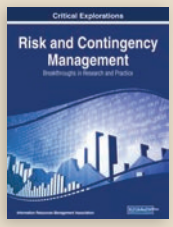

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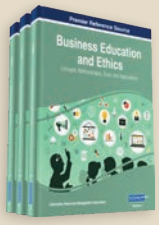

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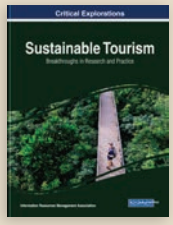

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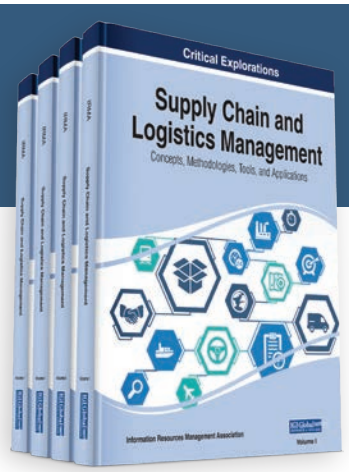

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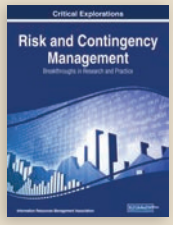

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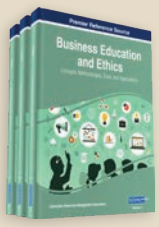

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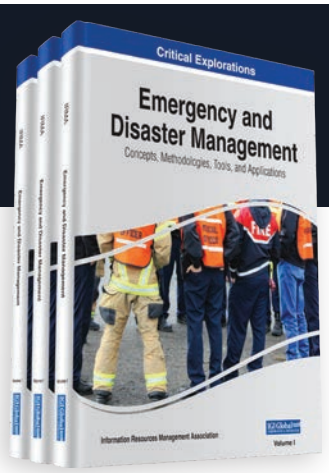

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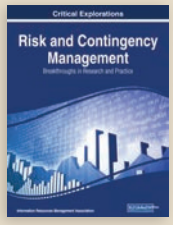

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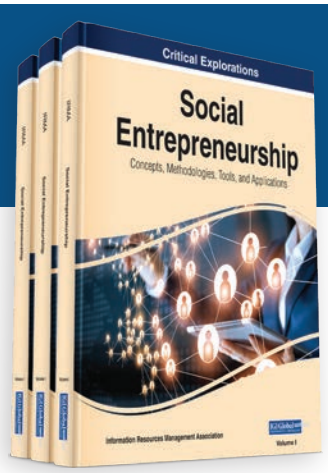

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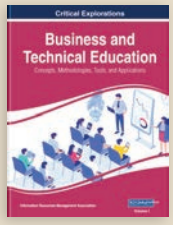

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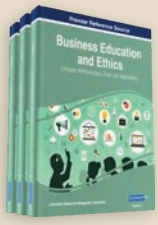

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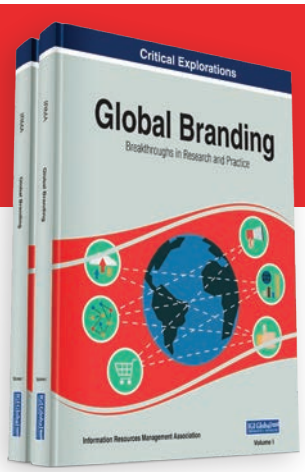

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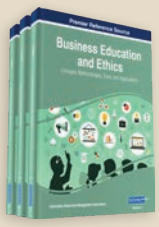

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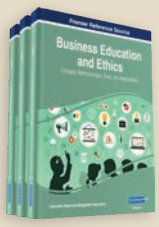

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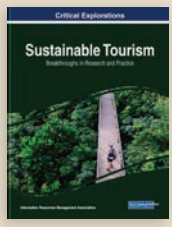

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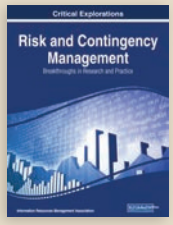

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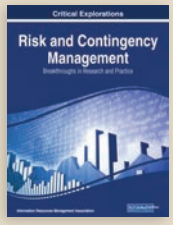

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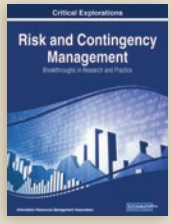

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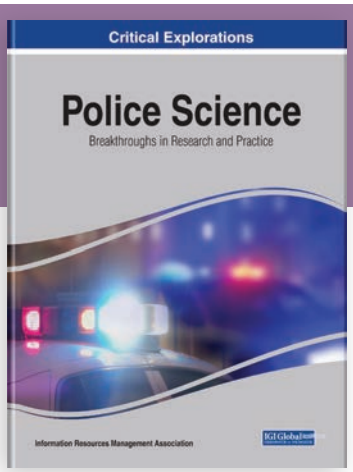

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Violent behavior is an unavoidable aspect of human nature, and as such, it has become deeply integrated into modern society. In order to protect and defend citizens, the foundational concepts of fairness and equality must be adhered to within any criminal justice system. As such, examining police science through a critical and academic perspective can lead to a better understanding of its foundations and implications.

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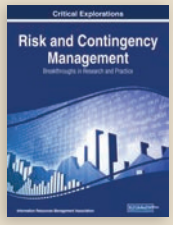

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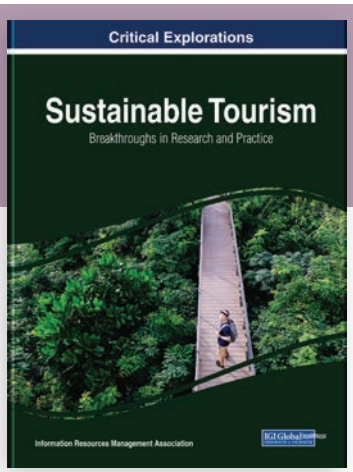

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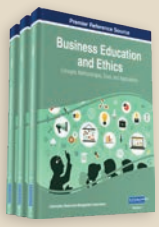

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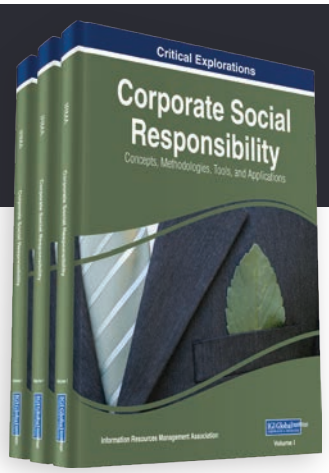

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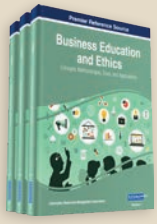

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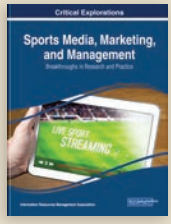

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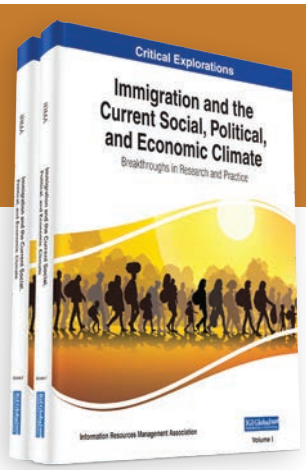

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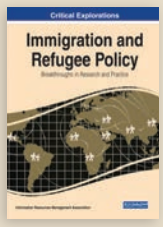

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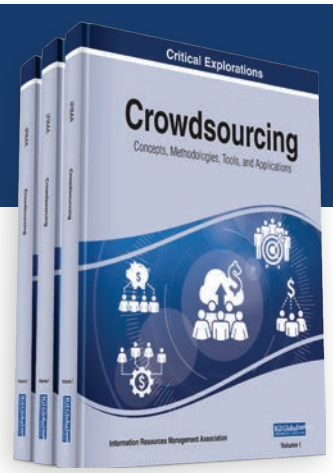

With the growth of information technology, many new communication channels and platforms have emerged. This growth has advanced the work of crowdsourcing, allowing individuals and companies in various industries to coordinate efforts on different levels and in different areas. Providing new and unique sources of knowledge outside organizations enables innovation and shapes competitive advantage.

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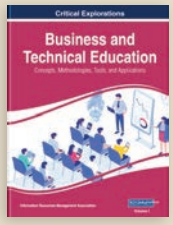

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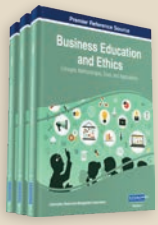

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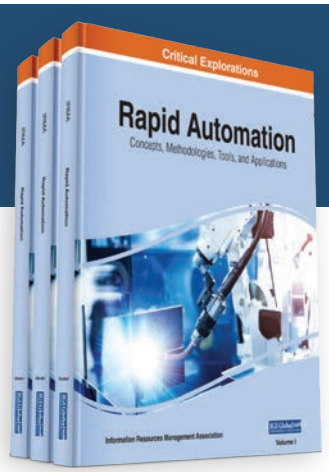

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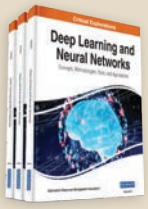

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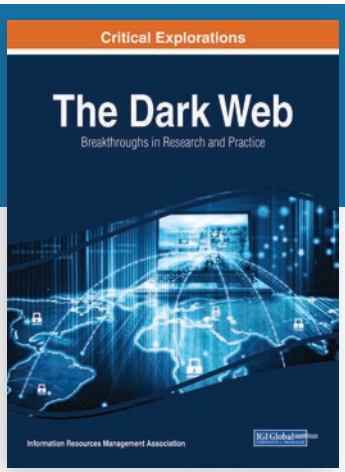

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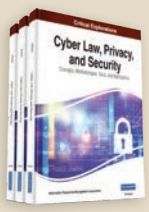

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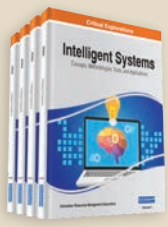

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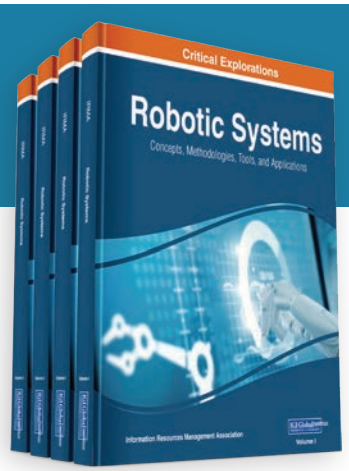

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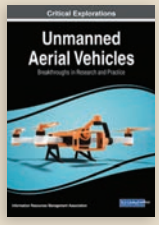

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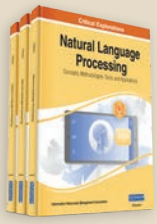

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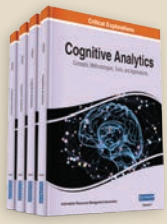

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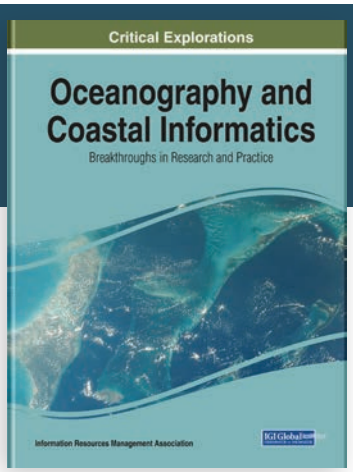

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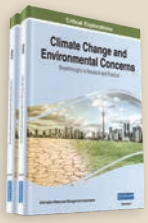

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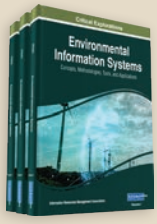

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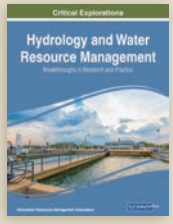

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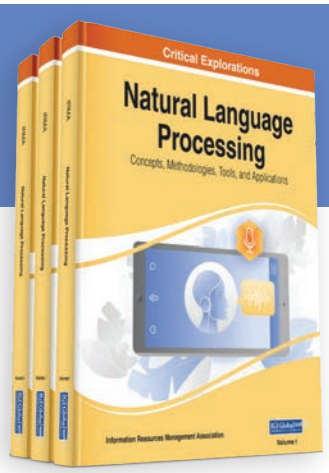

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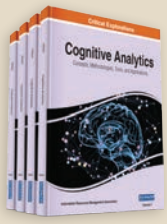

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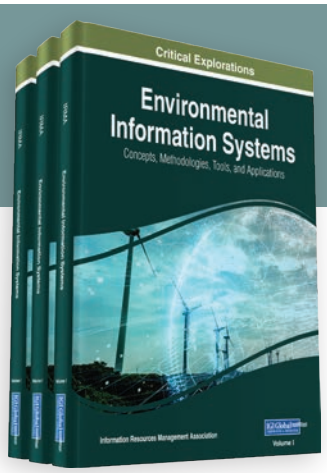

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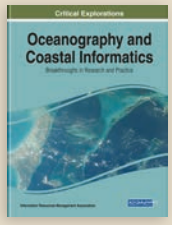

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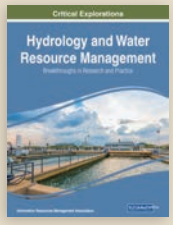

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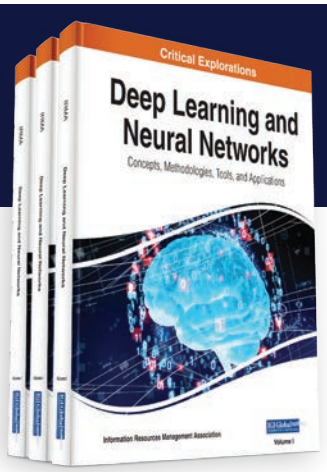

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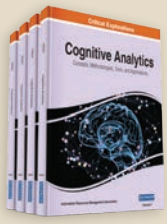

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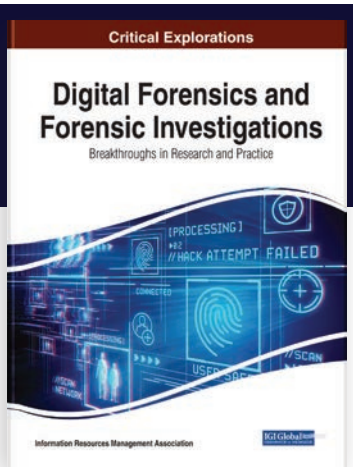

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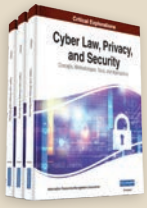

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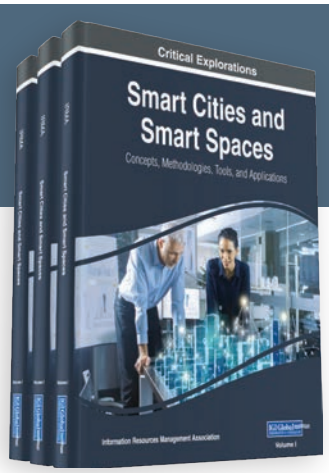

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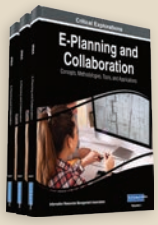

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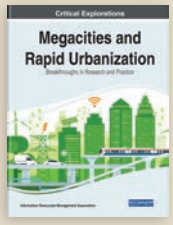

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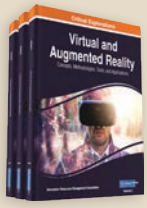

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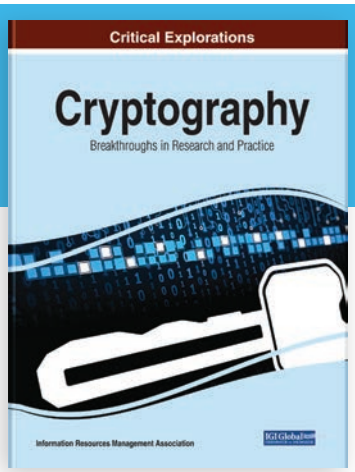

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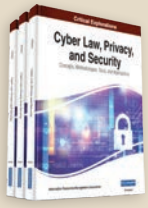

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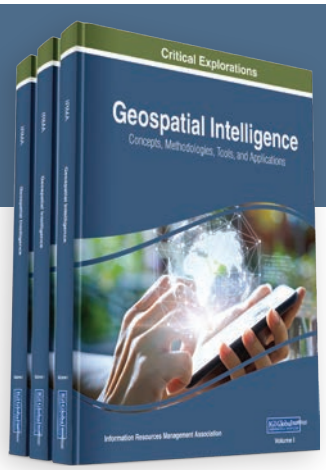

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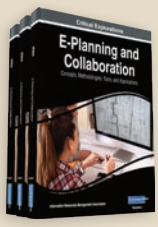

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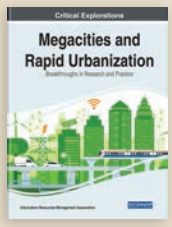

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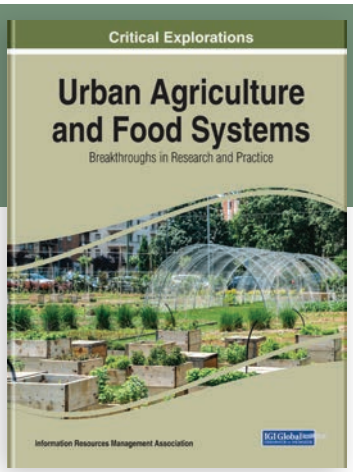

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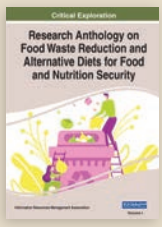

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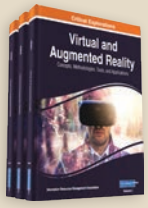

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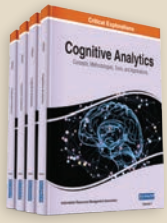

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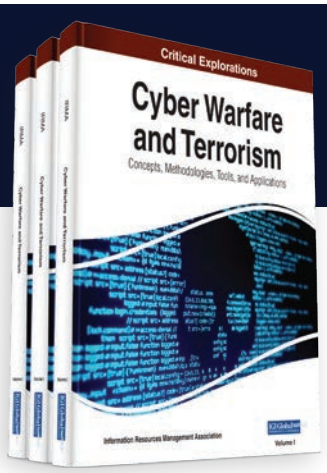

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Through the rise of big data and the internet of things, terrorist organizations have been freed from geographic and logistical confines and now have more power than ever before to strike the average citizen directly at home. This, coupled with the inherently asymmetrical nature of cyberwarfare, which grants great advantage to the attacker, has created an unprecedented national security risk that both governments and their citizens are woefully ill-prepared to face. Examining cyber warfare and terrorism through a critical and academic perspective can lead to a better understanding of its foundations and implications.

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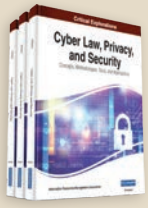

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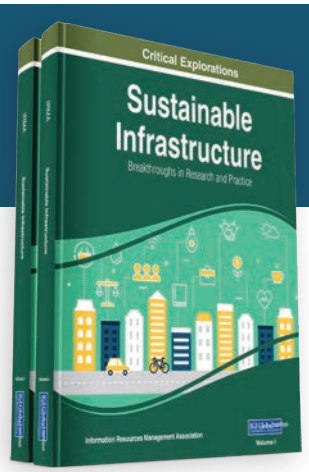

The continued growth of any nation depends largely on the development of their built infrastructures and communities. By creating stable infrastructures, countries can more easily thrive in competitive international markets.

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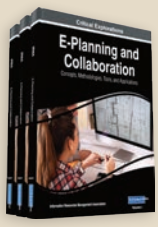

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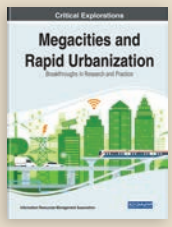

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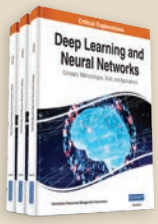

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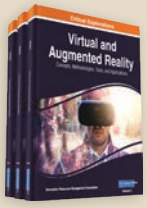

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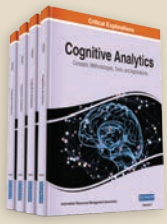

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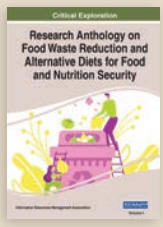

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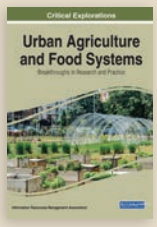

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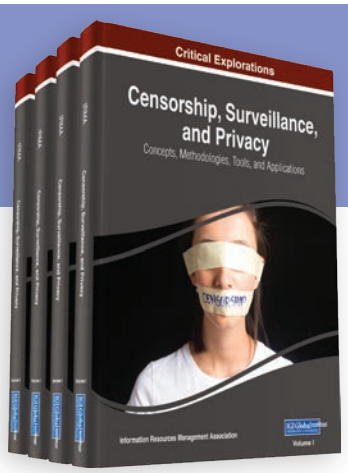

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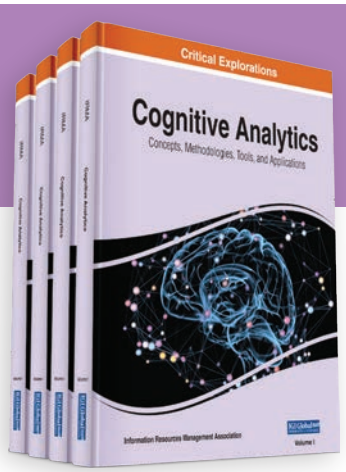

Due to the growing use of web applications and communication devices, the use of data has increased throughout various industries, including business and healthcare. It is necessary to develop specific software programs that can analyze and interpret large amounts of data quickly in order to ensure adequate usage and predictive results.

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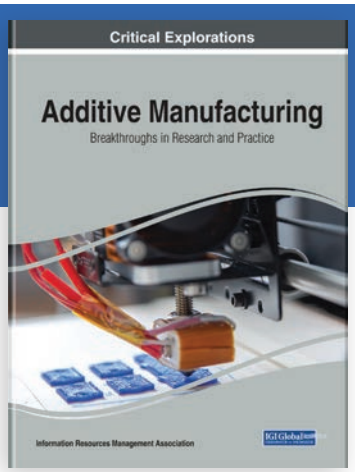

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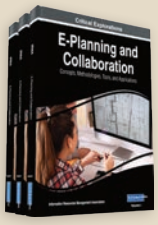

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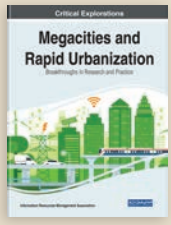

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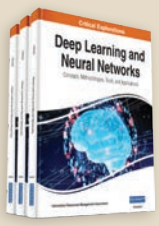

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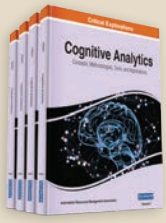

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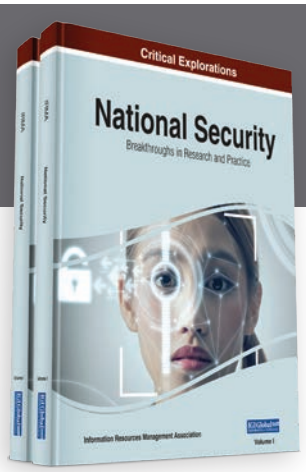

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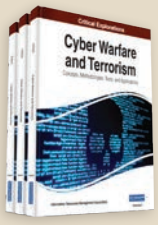

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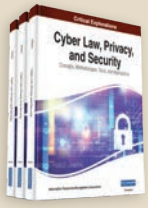

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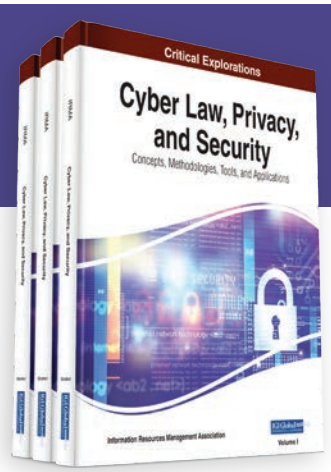

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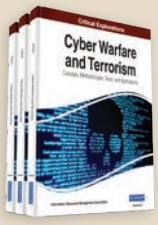

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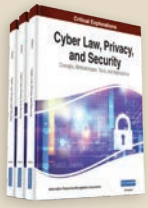

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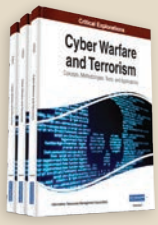

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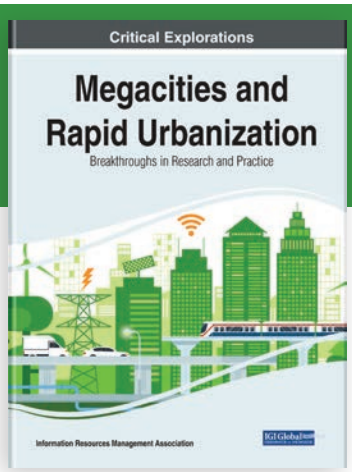

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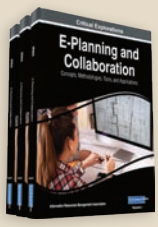

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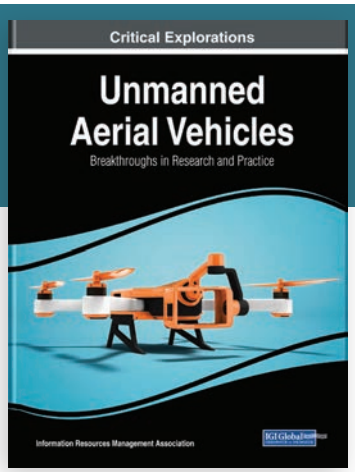

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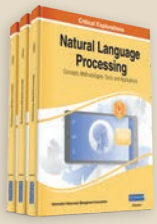

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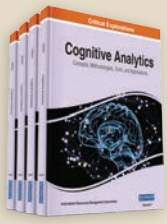

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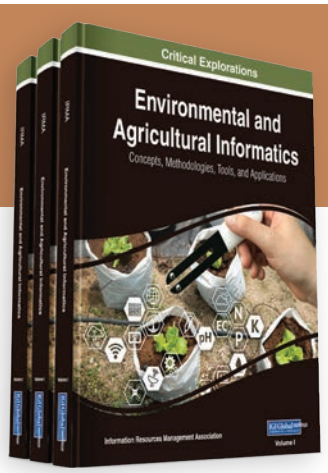

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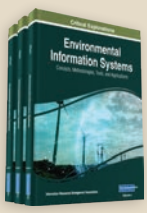

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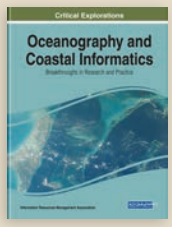

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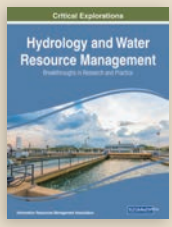

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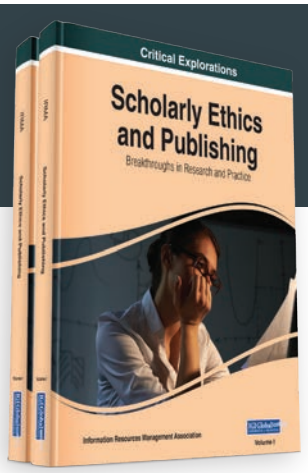

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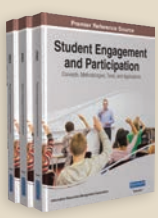

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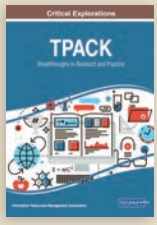

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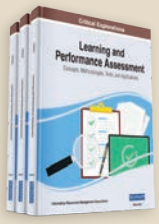

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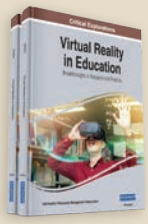

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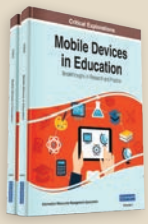

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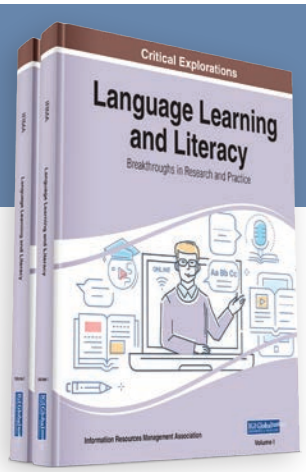

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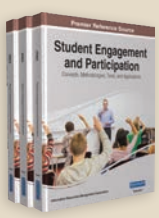

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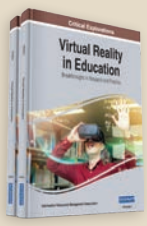

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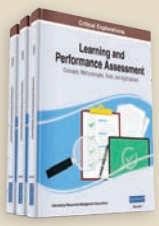

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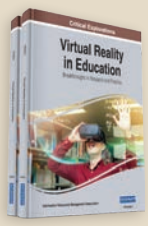

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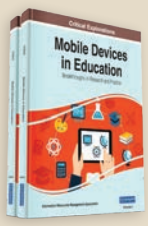

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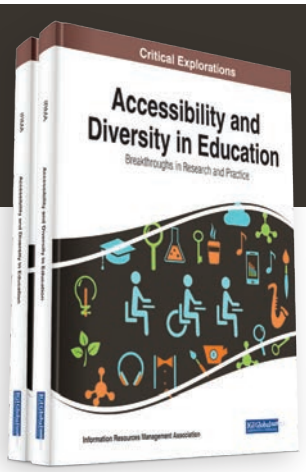

Research Anthology on

Accessibility and Diversity in Education: Breakthroughs in Research and Practice (2 Volumes)

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Education is a necessary foundation for improving one's livelihood in today's society. However, traditional learning has often excluded or presented a challenge to students with visual, physical, or cognitive disabilities and can create learning gaps between students of various cultures. It is vital that learning opportunities are tailored to meet individual needs, regardless of individual disabilities, gender, race, or economic status in order to create more inclusive educational practices.

Research Anthology on Accessibility and Diversity in Education: Breakthroughs in Research and Practice examines emerging methods and trends for creating accessible and inclusive educational environments and examines the latest teaching strategies and methods for promoting learning for all students. It also addresses equal opportunity and diversity requirements in schools. Highlighting a range of topics such as open educational resources, student diversity, and inclusion barriers, this publication is an ideal reference source for educators, principals, administrators, provosts, deans, curriculum developers, instructional designers, school boards, higher education faculty, academicians, students, and researchers.

Topics Covered:

- Accessible Learning Environments
- Assistive Technologies
- Bullying
- Common Core
- Education Policies
- Equal Opportunity
- Higher Education
- Human-Centered Design
- Inclusion Barriers
- Learning Disabilities
- Online Diversity Education
- Open Educational Resources
- Social and Emotional Learning
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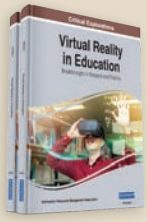

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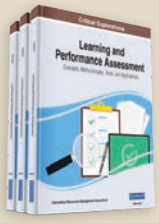

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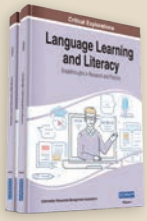

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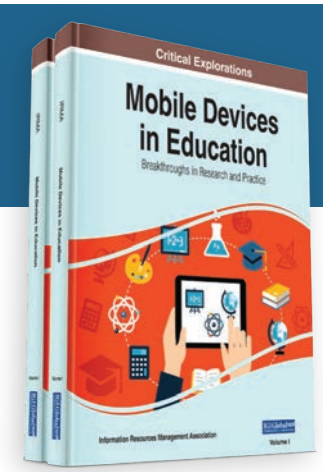
Research Anthology on

Mobile Devices in Education: Breakthroughs in Research and Practice (2 Volumes)



TAs technology advances, mobile devices have become more affordable and useful to countries around the world. The use of technology can significantly enhance educational environments for students. It is imperative to study new software, hardware, and gadgets for the improvement of teaching and learning practices.

Research Anthology on Mobile Devices in Education: Breakthroughs in Research and Practice is a collection of innovative research on the methods and applications of mobile technologies in learning and explores best practices of mobile learning in educational settings. Highlighting a range of topics such as educational technologies, curriculum development, and game-based learning, this publication is an ideal reference source for teachers, curriculum developers, educational software developers, instructional designers, administrators, professionals, upper-level students, academicians, and practitioners actively involved in the education field.

Topics Covered:

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- Augmented Reality
- Blackboard Mobile
- Culturally Responsive Teaching
- Distance Learning
- E-Teaching
- Hyperaudio Learning Environments
- iPad integration
- Mobile Application Development
- Mobile Learning
- Open Educational Resources
- Professional Learning
- Smart-Devices
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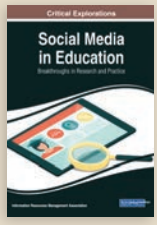

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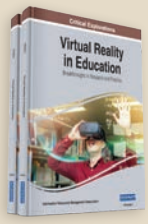

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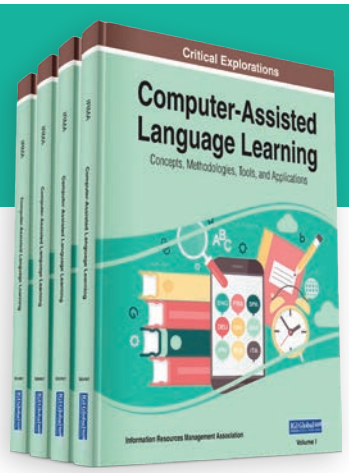

Research Anthology on

Computer-Assisted Language Learning: Concepts, Methodologies, Tools, and Applications (4 Volumes)

In a diverse society, the ability to cross communication barriers is critical to the success of any individual personally, professionally, and academically. With the constant acceleration of course programs and technology, educators are continually being challenged to develop and implement creative methods for engaging English-speaking and non-English-speaking learners.

Research Anthology on Computer-Assisted Language Learning: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the relationship between language education and technology and the potential for curriculum enhancements through the use of mobile technologies, flipped instruction, and language-learning software. This multi-volume book is geared toward educators, researchers, academics, linguists, and upper-level students seeking relevant research on the improvement of language education through the use of technology.

ISBN: 978-1-5225-7663-1
EISBN: 978-1-5225-7664-8
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- Language Education
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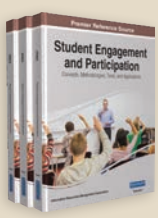

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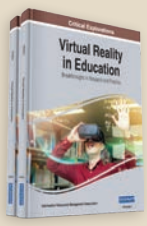

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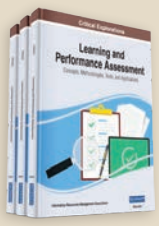

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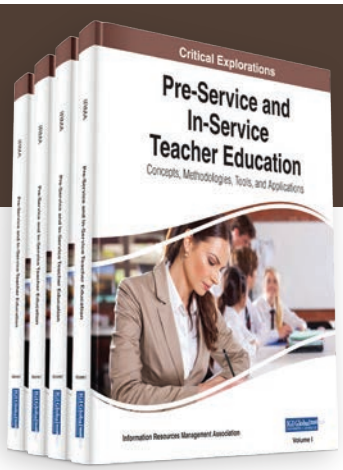

As with any industry, the education sector goes through frequent changes due to modern technological advancements. It is every educator's duty to keep up with these shifting requirements and alter their teaching style to best fit the needs of their classroom.

Research Anthology on Pre-Service and In-Service Teacher Education: Concepts, Methodologies, Tools, and Applications explores the current state of pre-service teacher programs as well as continuing education initiatives for in-service educators. It also emphasizes the growing role of technology in teacher skill development and training as well as key pedagogical developments and methods. This multi-volume book is designed for pre-service teachers, teacher educators, researchers, professionals, and academics in the education field.

Topics Covered:

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- Effective Pedagogy
- Fieldwork and Practicum Experiences
- Leadership Training
- Learning Technologies
- Lifelong Learning Programs
- Linguistic Competency
- Performance-Based Assessments
- Professional Development
- Reform Initiatives
- Study Abroad
- Teacher Preparation Program
- Teacher Training
- Teaching and Learning Theory
- Teaching Quality
- Teaching Standards

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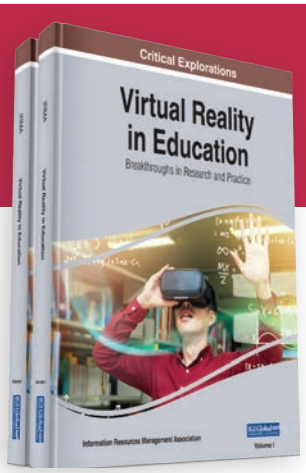

Research Anthology on

Virtual Reality in Education: Breakthroughs in Research and Practice (2 Volumes)

Modern technology has infiltrated many facets of society, including educational environments. Through the use of virtual learning, educational systems can become more efficient at teaching the student population and break down cost and distance barriers to reach populations that traditionally could not afford a good education.

Research Anthology on Virtual Reality in Education: Breakthroughs in Research and Practice is an essential reference source on the uses of virtual reality in K-12 and higher education classrooms with a focus on pedagogical and instructional outcomes and strategies. Highlighting a range of pertinent topics such as immersive virtual learning environments, virtual laboratories, and distance education, this publication is an ideal reference source for pre-service and in-service teachers, school administrators, principles, higher education faculty, K-12 instructors, policymakers, and researchers interested in virtual reality incorporation in the classroom.

ISBN: 978-1-5225-8179-6
EISBN: 978-1-5225-8180-2
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- Augmented Reality
- Avatars
- Collaborative Learning
- Distance Education
- Educational Technologies
- Ethics in Virtual Reality
- Foreign Language Teaching
- Gamification in Education
- Immersive Virtual Learning Environments
- Language Learning
- Mixed Reality
- Problem-Based Learning
- STEM Education
- Student Engagement
- Ubiquitous Learning
- Virtual Laboratories
- Virtual Museums
- Virtual Self
- Virtual Worlds

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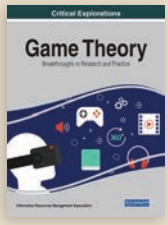

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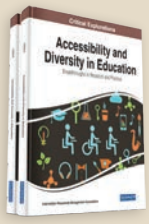

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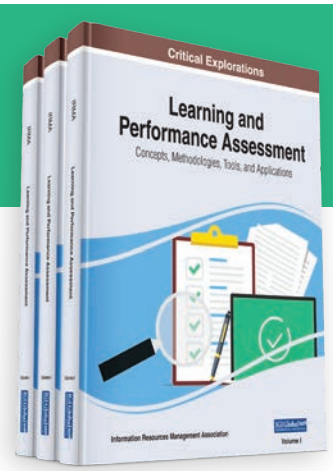

As teaching strategies continue to change and evolve, and technology use in classrooms continues to increase, it is imperative that their impact on student learning is monitored and assessed. New practices are being developed to enhance students' participation, especially in their own assessment, be it through peer-review, reflective assessment, the introduction of new technologies, or other novel solutions.

Research Anthology on Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance-based assessment techniques and applications within educational settings. This multi-volume book is ideally designed for educators, administrative officials, instructional designers, school boards, academicians, researchers, and education students.

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- Inclusive e-Learning
- Intellectual Disability
- Learner Analysis
- Learner-Centered Classrooms
- Non-Cognitive Domains
- Peer Assessment
- Performance-Based Funding
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Chapter 31: Evidence-Centered Concept Map in Computer-Based Assessment of Critical Thinking Prof. Yigal Rosen, Harvard University, USA Prof. Maryam Mosharraf, Pearson, USA	**Chapter 48: Assessing the Non-Cognitive Domains: Measuring What Matters Well** Prof. James G. M. Crossley, University of Sheffield, UK
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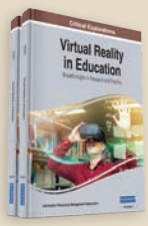

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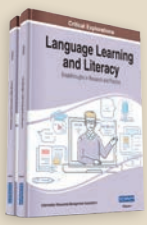

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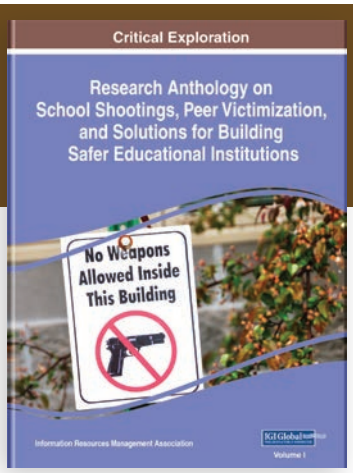

Research Anthology on

School Shootings, Peer Victimization, and Solutions for Building Safer Educational Institutions

Though decades ago school shootings were rare events, today they are becoming normalized. Active shooter drills have become more commonplace as pressure is placed on schools and law enforcement to prevent the next attack. Yet others argue the traumatizing effects of such exercises on the students.

Research Anthology on School Shootings, Peer Victimization, and Solutions for Building Safer Educational Institutions examines the current sources of violence within educational systems, and it offers solutions on how to provide a safer space for both students and educators alike. Broken into four sections, the book examines the causes and impacts that peer victimization has on students and how this can lead to further violence and investigates strategies for detecting the warning signs. The book provides solutions that range from policies and programs that can be established to strategies for teaching nonviolence and promoting coexistence in the classroom.

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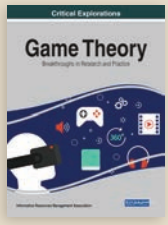

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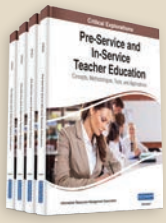

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Learning strategies for critical thinking are a vital part of today's curriculum as students have few additional opportunities to learn these skills outside of school environments. Therefore, it is essential that educators be given practical strategies for improving their critical thinking skills as well as methods to effectively provide critical thinking skills to their students.

Research Anthology on Critical Thinking: Concepts, Methodologies, Tools, and Applications is a vital reference source that helps to shift and advance the debate on how critical thinking should be taught and offers insights into the significance of critical thinking and its effective integration as a cornerstone of the educational system. Highlighting a range of topics such as discourse analysis, skill assessment and measurement, and critical analysis techniques, this multi-volume book is ideally designed for teachers/instructors, instructional designers, curriculum developers, education professionals, administrators, policymakers, researchers, and academicians.

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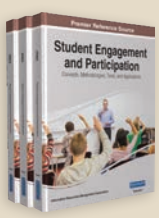

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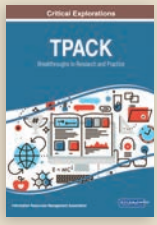

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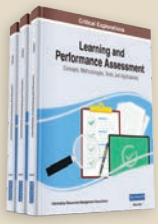

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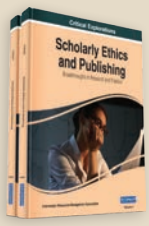

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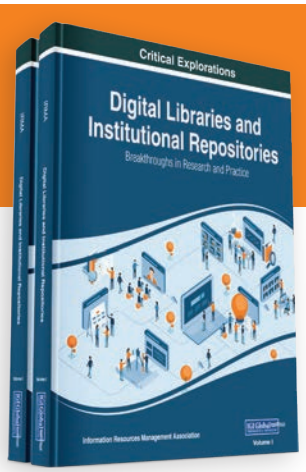

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Research Anthology on

Digital Libraries and Institutional Repositories: Breakthroughs in Research and Practice

Technology has revolutionized the ways in which libraries store, share, and access information, as well as librarian roles as knowledge managers. As digital resources and tools continue to advance, so too do the opportunities for libraries to become more efficient and house more information. Effective administration of libraries is a crucial part of delivering library services to patrons and ensuring that information resources are disseminated efficiently.

Research Anthology on Digital Libraries and Institutional Repositories: Breakthroughs in Research and Practice addresses new methods, practices, concepts, and techniques, as well as contemporary challenges and issues for libraries and university repositories that can be accessed electronically. It also addresses the problems of usability and search optimization in digital libraries. Highlighting a range of topics such as content management, resource sharing, and library technologies, this publication is an ideal reference source for librarians, IT technicians, academicians, researchers, and students in fields that include library science, knowledge management, and information retrieval.

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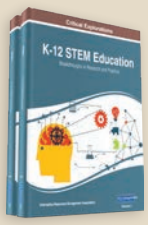

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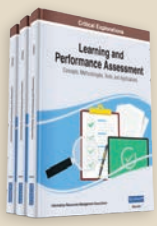

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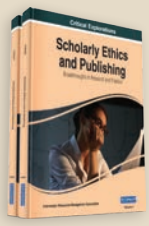

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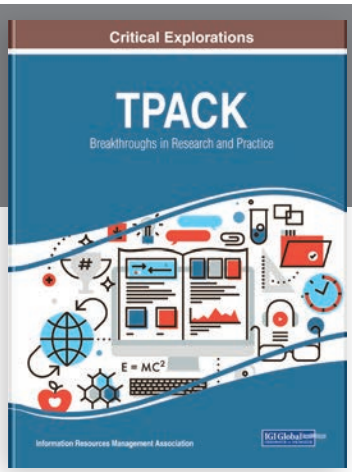

Educational technologies are becoming commonplace entities in classrooms as they provide more options and support for teachers and students. However, many teachers are finding these technologies difficult to use due to a lack of training and instruction on how to effectively apply them to the classroom.

Research Anthology on TPACK: Breakthroughs in Research and Practice is an authoritative reference source for the latest research on the integration of technological knowledge, pedagogical knowledge, and content knowledge in the contexts of K-12 education. Highlighting a range of pertinent topics such as pedagogical strategies, blended learning, and technology integration, this publication is an ideal resource for educators, instructional designers, administrators, academicians, and teacher education programs seeking current findings on the implementation of technology in instructional design.

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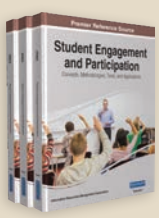

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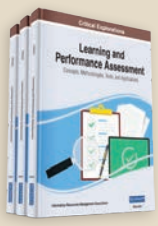

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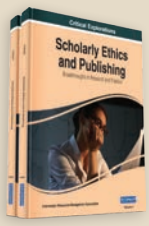

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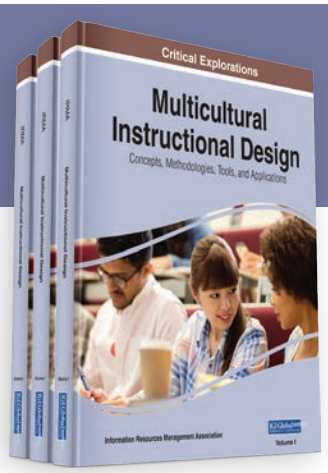

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As the world becomes more globalized, student populations in educational settings will continue to grow in diversity. To ensure students develop the cultural competence to adapt to new environments, educational institutions must develop curriculum, policies, and programs to aid in the progression of cultural acceptance and understanding.

Research Anthology on Multicultural Instructional Design: Concepts, Methodologies, Tools, and Applications is a vital reference source for the latest research findings on inclusive curriculum development for multicultural learners. It also examines the interaction between culture and learning in academic environments and the efforts to mediate it through various educational venues. Highlighting a range of topics such as intercultural communication, student diversity, and language skills, this multi-volume book is ideally designed for educators, professionals, school administrators, researchers, and practitioners in the field of education.

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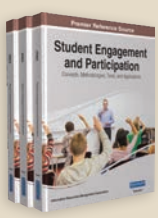

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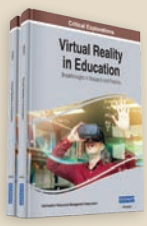

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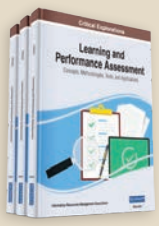

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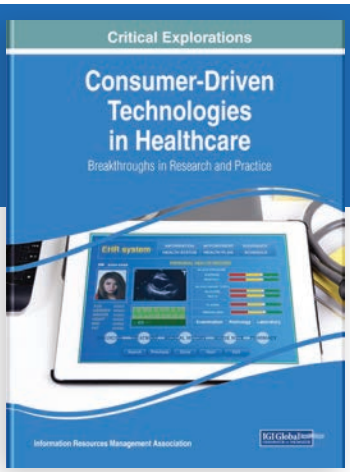
Research Anthology on

Consumer-Driven Technologies in Healthcare: Breakthroughs in Research and Practice



The world of medical technologies is undergoing a sea change in the domain of consumer culture. Having a grasp on what appeals to consumers and how consumers are making purchasing decisions is essential to the success of any organization that thrives by offering a product or service. As such, it is vital to examine the consumer-centered aspects of medical technological developments that have a patient-centered focus and allow patients to take part in their own personal health and wellness.

Research Anthology on Consumer-Driven Technologies in Healthcare: Breakthroughs in Research and Practice is a critical source of academic knowledge on the use of smartphones and other technological devices for cancer therapy, fitness and wellness, chronic disease monitoring, and other areas. The tracking of these items using technology has allowed consumers to take control of their own healthcare. This publication is an ideal reference source for doctors, nurse practitioners, hospital administrators, medical professionals, IT professionals, academicians, and researchers interested in advancing medical practice through technology.

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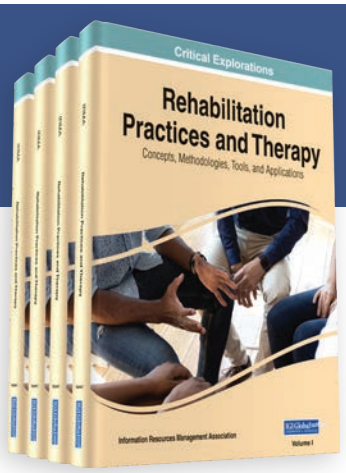

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The availability of practical applications, techniques, and case studies by international therapists is limited despite expansions to the fields of clinical psychology, rehabilitation, and counseling. As dialogues surrounding mental health grow, it is important to maintain therapeutic modalities that ensure the highest level of patient-centered rehabilitation and care are met across global networks.

Research Anthology on Rehabilitation Practices and Therapy: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the latest scholarly material on trends and techniques in counseling and therapy and provides innovative insights into contemporary and future issues within the field. Highlighting a range of topics such as psychotherapy, anger management, and psychodynamics, this multi-volume book is ideally designed for mental health professionals, counselors, therapists, clinical psychologists, sociologists, social workers, researchers, students, and social science academicians seeking coverage on significant advances in rehabilitation and therapy.

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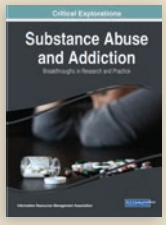

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Research Anthology on

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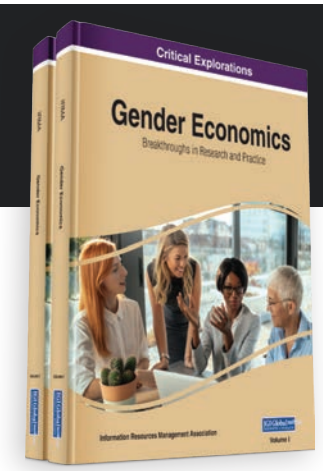

Gender Economics challenges current economic theory, targeting the way gender is often used for economic gain or increased market share. Experts realize that company growth can no longer be achieved by taking a conventional approach, but few follow through with introducing new frameworks that change the way diversity is treated.

Research Anthology on Gender Economics: Breakthroughs in Research and Practice features current research that combines the concepts of gender theory, sociology, and economics observing how diversity influences numerous dimensions of business and consumerism. Covering topics including gender empowerment and also bias, economic equality, industrial creativity, leadership, and the impact of social connectedness on life satisfaction, this publication is an ideal reference source for legislators and policymakers, economic developers, corporate practitioners, educational faculties, academicians, researchers, and graduate-level students of all disciplines.

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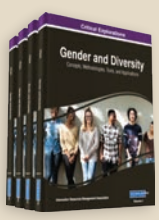

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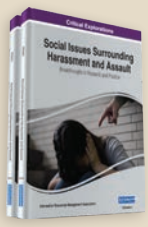

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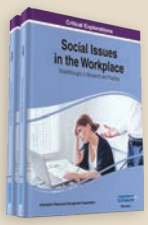

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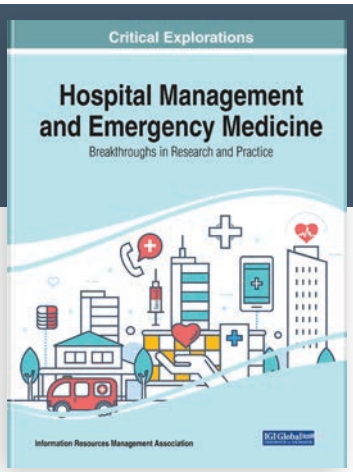

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Improvements in hospital management and emergency medical and critical care services require continual attention and dedication to ensure efficient and proper care for citizens. To support this endeavor, professionals rely more and more on the application of information systems and technologies to promote the overall quality of modern healthcare.

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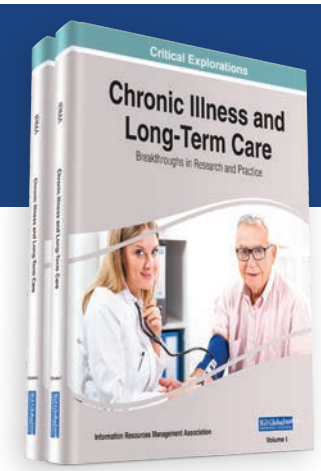

Stemming from environmental, genetic, and situational factors, chronic disease is a critical concern in modern medicine. Managing treatment and controlling symptoms is imperative to the longevity and quality of life of patients with such diseases.

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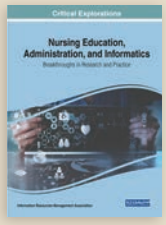

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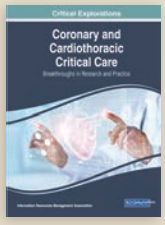

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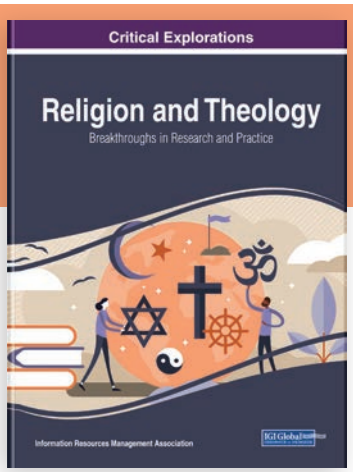

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Religion is considered by many to be something of the past, but it has a lasting hold in society and influences people across many cultures. This integration of spirituality causes numerous impacts across various aspects of modern life. The variety of religious institutions in modern society necessitates a focus on diversity and inclusiveness in the interactions between organizations of different religions, cultures, and viewpoints.

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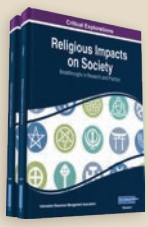

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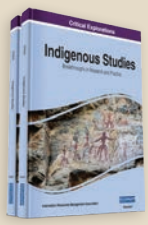

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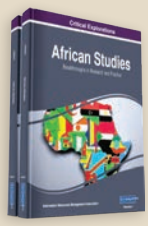

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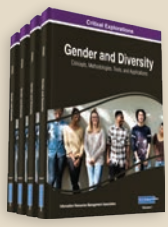

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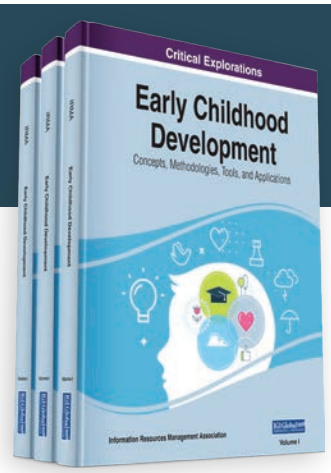

A focus on the developmental progress of children before the age of eight helps to inform their future successes, including their personality, social behavior, and intellectual capacity. However, it is difficult for experts to pinpoint best learning and parenting practices for young children.

Research Anthology on Early Childhood Development: Concepts, Methodologies, Tools, and Applications is an innovative reference source for the latest research on the cognitive, socio-emotional, physical, and linguistic development of children in settings such as homes, community-based centers, health facilities, and school. Highlighting a range of topics such as cognitive development, parental involvement, and school readiness, this multi-volume book is designed for educators, healthcare professionals, parents, academicians, and researchers interested in all aspects of early childhood development.

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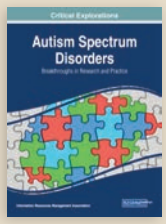

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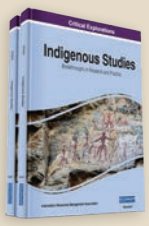

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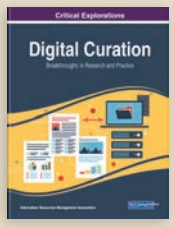

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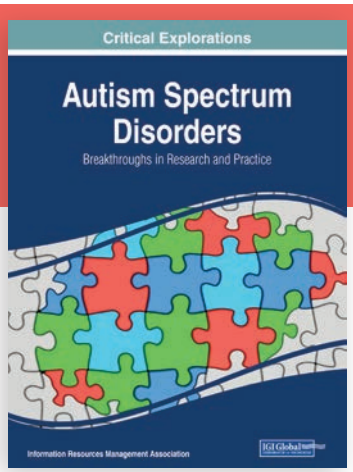

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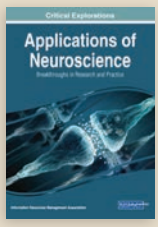

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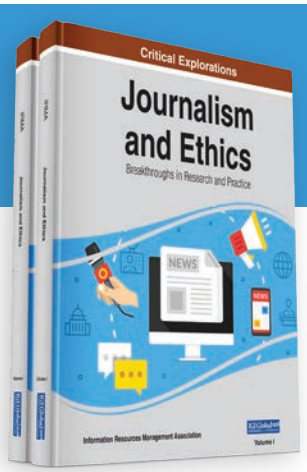

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In the modern hyperconnected society, consumers are able to access news from a variety of channels, including social media, television, mobile devices, the internet, and more. From sensationalist headlines designed to attract click-throughs to accusations of bias assigned to specific news sources, it is more important now than ever that the media industry maintains best practices and adheres to ethical reporting. By properly informing citizens of critical national concerns, the media can help to transform society and promote active participation.

Research Anthology on Journalism and Ethics: Breakthroughs in Research and Practice examines the impacts of journalism on society and the media's responsibility to accurately inform citizens of government and non-government activities in an ethical manner. It also provides emerging research on multimedia journalism across various platforms and formats using digital technologies. Highlighting a range of pertinent topics such as investigative journalism, freedom of expression, and media regulation, this publication is an ideal reference source for media professionals, public relations officers, reporters, news writers, scholars, academicians, researchers, and upper-level students interested in journalism and journalistic ethics.

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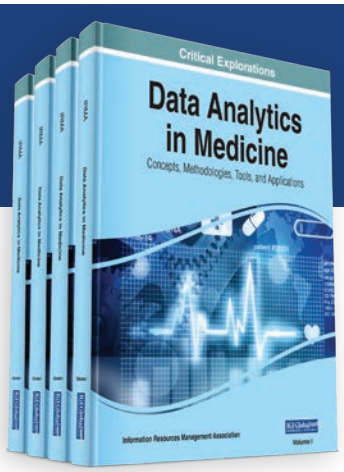

Advancements in data science have created opportunities to sort, manage, and analyze large amounts of data more effectively and efficiently. Applying these new technologies to the healthcare industry, which has vast quantities of patient and medical data and is increasingly becoming more data-reliant, is crucial for refining medical practices and patient care.

Research Anthology on Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines practical applications of healthcare analytics for improved patient care, resource allocation, and medical performance, as well as for diagnosing, predicting, and identifying at-risk populations. This multi-volume book is ideally designed for doctors, hospital administrators, nurses, medical professionals, IT specialists, computer engineers, information technologists, biomedical engineers, data-processing specialists, healthcare practitioners, academicians, and researchers interested in current research on the connections between data analytics in the field of medicine.

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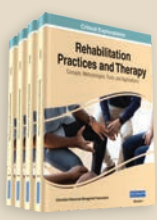

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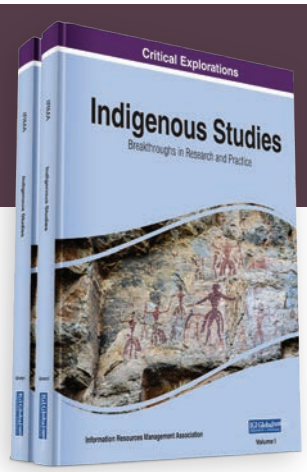

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EISBN: 978-1-7998-0424-6
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Global interest in indigenous studies has been rapidly growing as researchers realize the importance of understanding the impact indigenous communities can have on the economy, development, education, and more. As the use, acceptance, and popularity of indigenous knowledge increases, it is crucial to explore how this community-based knowledge provides deeper insights, understanding, and influence.

Research Anthology on Indigenous Studies: Breakthroughs in Research and Practice examines the politics, culture, language, history, socio-economic development, methodologies, and contemporary experiences of indigenous peoples from around the world, as well as how contemporary issues impact these indigenous communities on a local, national, and global scale. This publication is an ideal reference source for sociologists, policymakers, anthropologists, instructors, researchers, academicians, and graduate-level students in a variety of fields.

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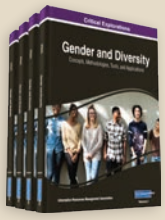

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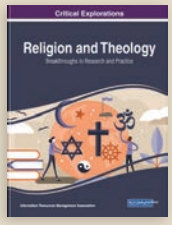

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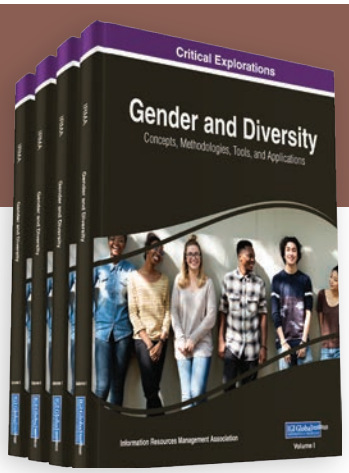

Today, gender inequality and diversity are at the forefront of discussion, as the issue has become an international concern for politicians, government agencies, social activists, and the general public. Consequently, the need to foster and sustain diversity and inclusiveness in the interactions among various groups of people is relevant today more than ever.

Research Anthology on Gender and Diversity: Concepts, Methodologies, Tools, and Applications provides a critical look at gender and modern-day discrimination and solutions to creating sustainable diversity across numerous contexts and fields. Highlighting a range of topics such as anti-discrimination measures, workforce diversity, and gender inequality, this multi-volume book is designed for legislators and policy makers, practitioners, academicians, gender studies researchers, and graduate-level students interested in all aspects of gender and diversity studies.

ISBN: 978-1-5225-6912-1
EISBN: 978-1-5225-6913-8
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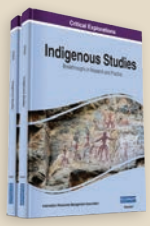

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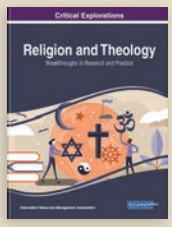

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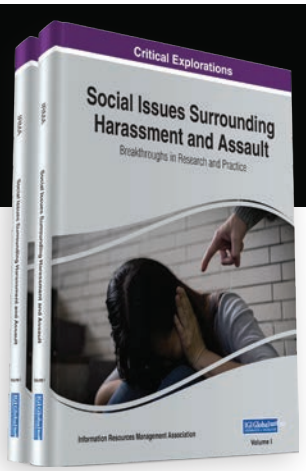

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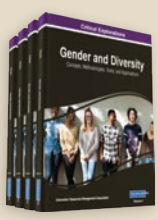

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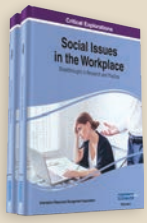

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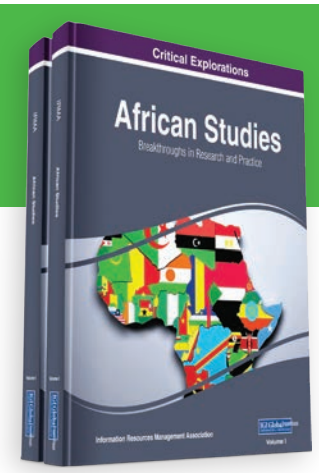

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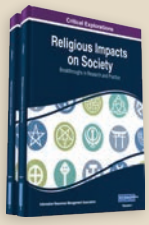

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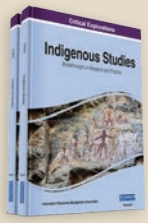

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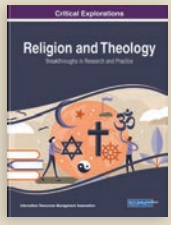

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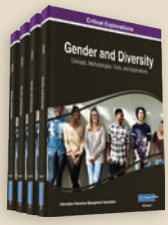

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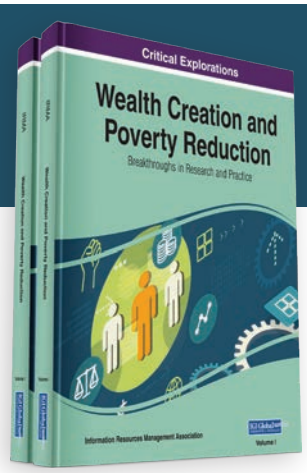

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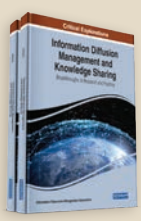

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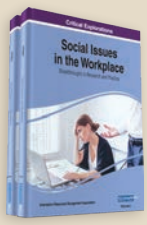

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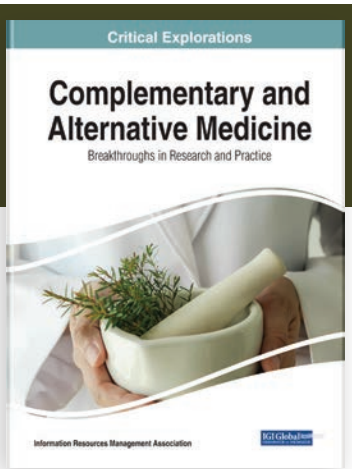

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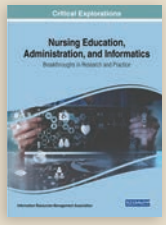

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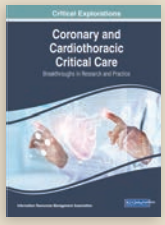

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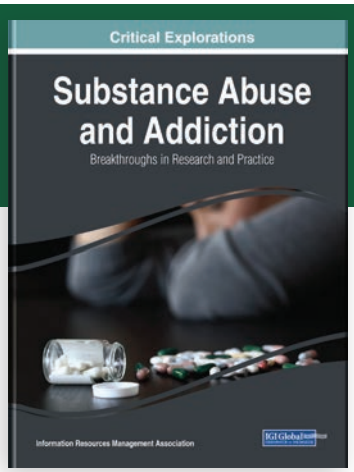

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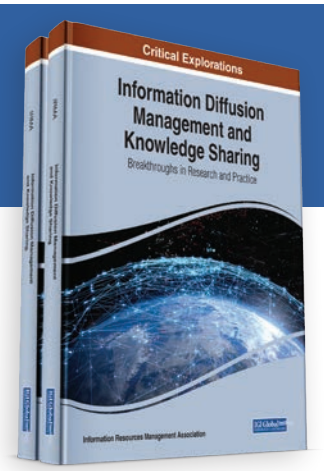

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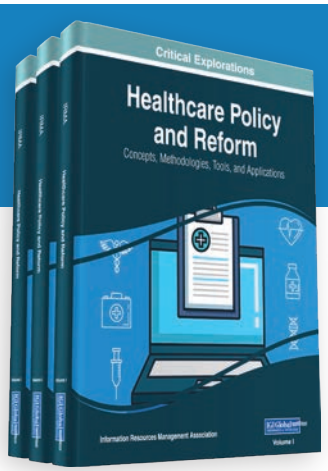

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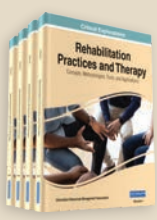

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One of the primary topics at the center of discussion, and very often debate, between industry professionals, government officials, and the general public is the current healthcare system and the potential for an overhaul of its processes and services. Many organizations concerned for the long-term care of patients wish to see new strategies, practices, and organizational tools developed to optimize healthcare systems all over the world. One of the central engines of the current shift toward reorientation of healthcare services is virtual and mobile healthcare.

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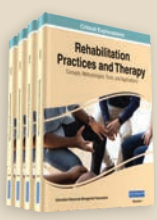

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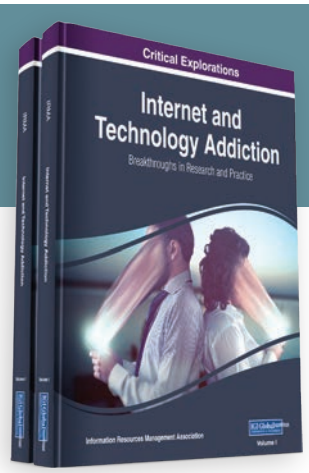

Addiction is a powerful and destructive condition impacting large portions of the population around the world, and because of ubiquitous technology, social networking and internet addiction have become a concern in recent years. With all ages affected by the "fear of missing out," which forces them to stay continually connected in order to stay up-to-date on what others are doing, new research is needed to prevent and treat anxieties caused by internet use.

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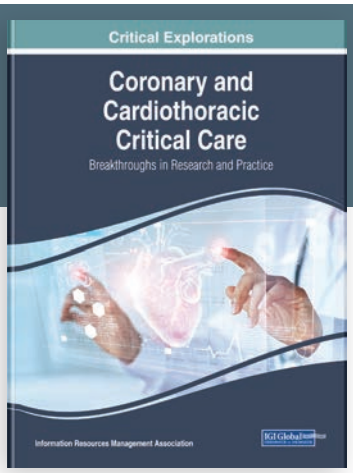

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In order to remain up-to-date on the best healthcare initiatives, medical professionals must continuously seek new research on best practices and procedures to provide efficient medical care to their patients. As heart and lung disease accounts for many illnesses and deaths, and are both a major concern to many members of society, it is especially important for cardiovascular intensivists to hone their skills and use the best surgical and treatment options available.

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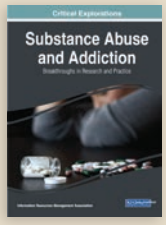

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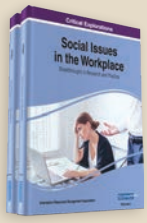

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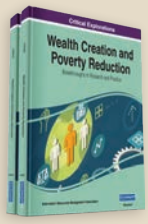

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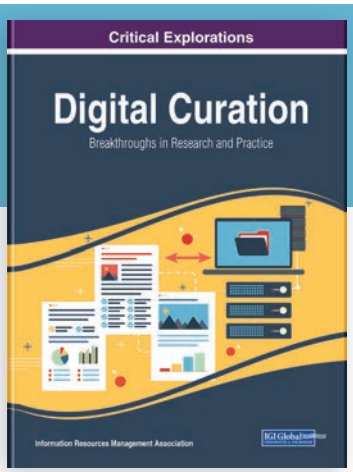

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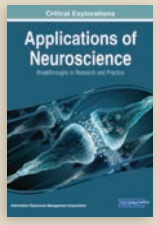

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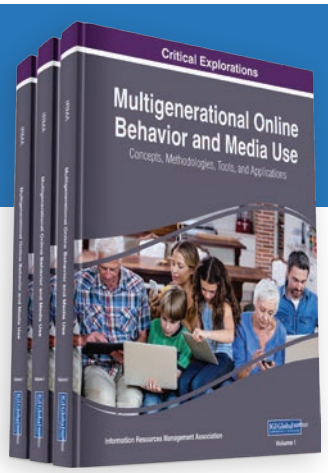

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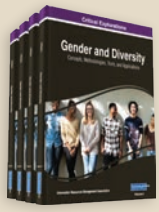

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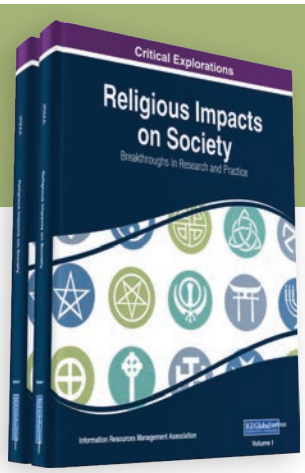

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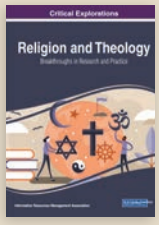

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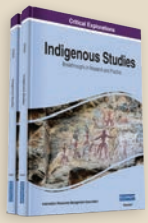

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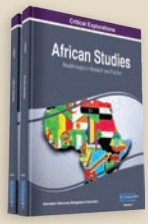

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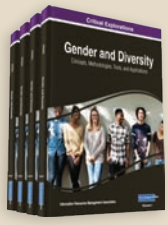

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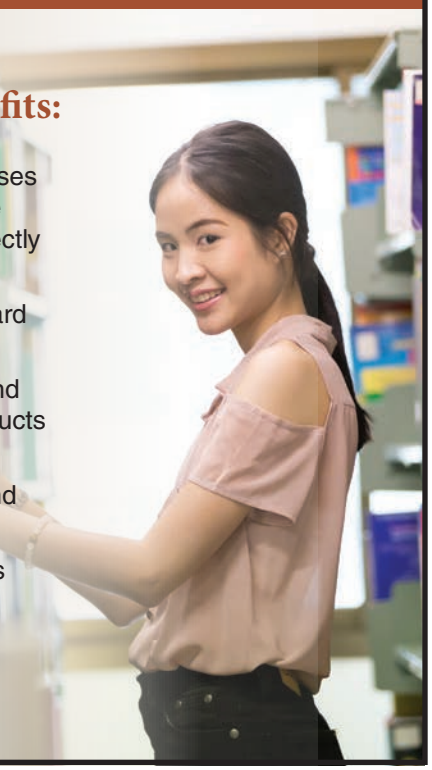

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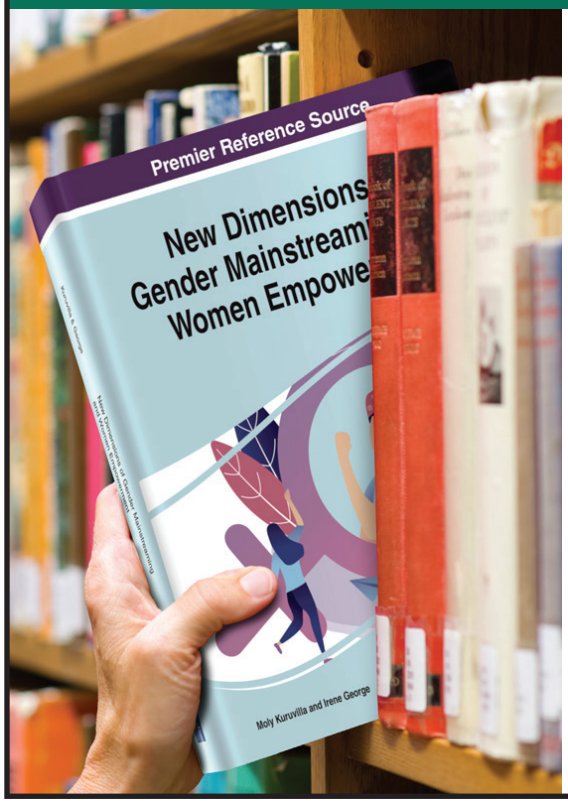

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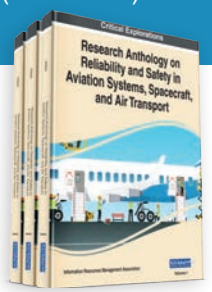

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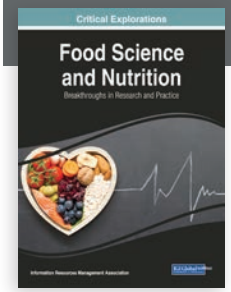

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