Table of Contents

Preface xxi

Chapter 1
Engaging Adult Learners Online Through Technology, Andragogy, and Flexible Course Design: From Theory to Practice 1
Curtis L. Todd, Atlanta Metropolitan State College, USA
Kokila Ravi, Atlanta Metropolitan State College, USA
Harry A. Akoh, Atlanta Metropolitan State College, USA
Vance Gray, Atlanta Metropolitan State College, USA

Chapter 2
Enrollment Management Strategies for Online Learning Environments 17
Terence C. Ahern, West Virginia University, USA
Jeffrey Burgazzoli Jr., West Virginia University, USA

Chapter 3
Using Data Analytics to Foster the Instructional Quality of Online Education 37
B. Jean Mandernach, Grand Canyon University, USA

Chapter 4
Engaging TBR Faculty in Online Research Communities and Emerging Technologies 56
Jasmine Renner, East Tennessee State University, USA

Chapter 5
Academics Mining for Information Analytics as a Method in Improving Student Performance Through Effective Learning Strategies 73
Froilan De Guzman, University of the East-Caloocan, Philippines
Sheila Abaya, University of the East-Caloocan, Philippines
Vince Benito, University of the East-Caloocan, Philippines
Irish Mae Chua, University of the East-Caloocan, Philippines

Chapter 6
Blending Technology-Centric Strategies for Faculty Development in Higher Education 90
Ute S. Lahaie, Walsh University, USA
Jacqueline M. Mumford, Walsh University, USA

Chapter 7
Blended Learning: Bringing the Idea to Life and What Does It Mean for Faculty and Administrators? 108
Mark B. Russell, Khalifa University, UAE
Irene M. Y. Woon, National University of Singapore, Singapore
Stylianos Hatzipanagos, King's College London, UK

Chapter 8
The Role of Learning Management Systems in the Administration of a Multi-Section Course 126
Devin Scott, University of Maryland, USA
Lindsey B. Anderson, University of Maryland, USA
Elizabeth E. Gardner, Westmont College, USA
Andrew D. Wolvin, University of Maryland, USA
Rowena Kirby Straker, Wake Forest University, USA

Chapter 9
Foreign Language Learning: CALL, MALL, and Social Media Perspectives 137
Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand

Chapter 10
Developing Technology-Centric Best Teaching Practices for Higher Education 159
Thomas M. Brinthaupt, Middle Tennessee State University, USA
Lawanna S. Fisher, Middle Tennessee State University, USA
Justin G. Gardner, Middle Tennessee State University, USA
Deana M. Raffo, Middle Tennessee State University, USA

Chapter 11
Teaching Basic Astronomy Concepts to Pre-Service Teachers Using 3D Virtual Environments: Results of a Study in Greece 175
Emmanuel Fokides, University of the Aegean, Greece
Aikaterini Mastrokoukou, University of the Aegean, Greece
Pinelopi Atsikpasi, University of the Aegean, Greece

Chapter 12
Using Technology to Enhance Student and Faculty Success in Online Courses 195
Dianna Z. Rust, Middle Tennessee State University, USA
Thomas M. Brinthaupt, Middle Tennessee State University, USA
Cindy L. Adams, Middle Tennessee State University, USA

Chapter 13
Networking International Student Collaboration and Experiential Exercise Projects 210
José G. Vargas-Hernández, University of Guadalajara, Mexico

Chapter 14
Technology in Higher Education Administration 25 Years of Leveraging Changes to Content Delivery 232
Natalie Ann-Marie Johnson-Leslie, Arkansas State University, USA
H. Steve Leslie, Arkansas State University, USA

Chapter 15
Assessment of Competence Research and Innovation in Higher Education: The Case of Graduates in Postgraduate Studies in Administration 259
Rebeca Flores León, Instituto Politécnico Nacional, ESCA ST, Mexico
Edgar Oliver Cardoso Espinosa, Instituto Politécnico Nacional, ESCA-ST, Mexico
Mayra Alejandra Vargas Londoño, Instituto Politécnico Nacional, ESCA-ST, Mexico

Chapter 16
Innovation and Commercial Orientation: A Case of Premier Technology Institution in India 275
Bhaskar Bhowmick, IIT Kharagpur, India
Susmita Ghosh, IIT Kharagpur, India

Chapter 17
Technology Adoption in Higher Education: A Cross-National Study of University Faculty Perceptions, Attitudes, and Practices 295
Maria Meletiou-Mavrotheris, European University Cyprus, Cyprus
Katerina Mavrou, European University Cyprus, Cyprus
Piedade Vaz-Rebelo, University of Coimbra, Portugal
Silvio Santos, University of Coimbra, Portugal
Pekka Tenhonen, Abo Akademi University, Finland
Mona Riska, Abo Akademi University, Finland
Maria Sundstrom, Abo Akademi University, Finland
Lehti Pilt, University of Tartu, Estonia

Chapter 18
An E-Portfolio System for Cultivating in Students the Ability to Perform Educational Technology Research: For Quality Assurance of Master's Course Students' Problem-Solving Abilities 318
Toshiki Matsuda, Tokyo Institute of Technology, Japan

Chapter 19
An Alternative Approach to Textbook Marketing in Higher Education 339
Jaleh Hassaskhah, University of Guilan, Iran

Chapter 20
Developing Educative Multimodal Conversational Applications for Mobile Devices 354
David Griol, Carlos III University of Madrid, Spain
Zoraida Callejas, University of Granada, Spain

Chapter 21
Entrepreneurial ICT-Based Skills and Leadership for Business Ethics in Higher Education 373
José Manuel Saiz-Alvarez, Tecnológico de Monterrey, Mexico

Chapter 22
Promoting Virtual Collaborative Learning with the Use of Mobile Devices 393
Despo Ktoridou, University of Nicosia, Cyprus
Elli Doukanari, University of Nicosia, Cyprus

Chapter 23
Status and Quality of E-Learning in Context of Indian Universities: Threats, Challenges, and Opportunities 405
Zameer Gulzar, B. S. Abdur Rahman University, India
A. Anny Leema, B. S. Abdur Rahman University, India

Compilation of References 431

About the Contributors 488

Index 498