

**Knowledge Management & E-Learning:  
An International Journal**

---

**Guest Editor**

**Mudasser F. Wyne, PhD**

*Technology & Health Sciences Center,*

*School of Engineering and Technology*

*National University, USA*

*E-mail: [mwyne@nu.edu](mailto:mwyne@nu.edu)*

## **Contents**

---

- 337      **Editorial: Web-Based Learning: Innovations and Challenges**  
*Mudasser F. Wyne*
- 340      **Information Quality Framework for e-Learning Systems**  
*Mona Alkhattabi, Daniel Neagu and Andrea Cullen*
- 363      **Roles of Administrators in Ensuring the Quality of Online Programs**  
*Yi Yang*
- 370      **The Dynamics of Interactivity Modeling for e-Learning**  
*Chima Adiele and Ezeamaka David Nwanze*
- 385      **Recommendation of Complementary Material during Chat Discussions**  
*Stanley Loh, Daniel Lichtnow, Adriana Justin Cerveira Kampff and José Palazzo Moreira de Oliveira*
- 400      **Analysing the Relationship between Learning Styles and Navigation Behaviour in Web-Based Educational System**  
*Nabila Bousbia, Issam Rebai, Jean-Marc Labat and Amar Balla*
- 422      **Facilities Management and Digital Application of Web Engineering: Implications for Business Informatics Systems**  
*Ezendu Ariwa and Marios Michael*
- 433      **An Investigation of Faculty's Perceptions and Experiences when Transitioning to a New Learning Management System**  
*Xun Ge, Ian Lubin and Ke Zhang*
- 448      **Cross-Cultural Challenges in Web-Based Instruction**  
*Bolanle A. Olaniran, Indi M. Williams and Natasha Rodriguez*