

# Contents

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Solution to Chaotic Situations in Higher Education:<br/>New Generation Universities as Intelligent Organizations . . . . .</b>            | <b>1</b>  |
|          | A. Murat Tuncer and Şuay Nilhan Açıkalin   |           |
| <b>2</b> | <b>From Chaos to Cosmos: Strategic Depth and Turkish<br/>Foreign Policy in Syria . . . . .</b>   | <b>11</b> |
|          | Hüseyin Bağcı and Şuay Nilhan Açıkalin   |           |
| <b>3</b> | <b>History, Development and Trend of Fractal Based<br/>Biometric Cryptography . . . . .</b>  | <b>27</b> |
|          | Md Ahadullah, Mohamad Rushdan Md Said and Santo Banerjee   |           |
| <b>4</b> | <b>The Incorporation of Fractals into Educational Management<br/>and Its Implications for School Management Models . . . . .</b>             | <b>35</b> |
|          | Şefika Şule Erçetin and Ssali Muhammadi Bisaso   |           |
| <b>5</b> | <b>Cleopatra's Nose and Complex International Politics . . . . .</b>   | <b>57</b> |
|          | Dylan Kissane  |           |
| <b>6</b> | <b>Complexity Theory in Public Administration<br/>and Metagovernance. . . . .</b>  | <b>73</b> |
|          | Ege Erkoçak and Şuay Nilhan Açıkalin   |           |
| <b>7</b> | <b>Limits and Criticalities of Predictions and Forecasting<br/>in Complex Social and Economic Scenarios:<br/>A Cybernetics Key . . . . .</b> | <b>85</b> |
|          | Gandolfo Dominici and Federica Palumbo   |           |
| <b>8</b> | <b>Leadership in the Formation and Change of School Culture. . . . .</b>   | <b>93</b> |
|          | Mehmet Şişman  |           |

|           |  |            |
|-----------|--|------------|
| <b>9</b>  | <b>Differential Entropy Dynamics: A Possible Cause of Coherence Resonance . . . . .</b>  | <b>111</b> |
|           | Juhi Rajhans and A.N. Sekar Iyengar  |            |
| <b>10</b> | <b>Reliability Properties of Systems with Three Dependent Components . . . . .</b>   | <b>117</b> |
|           | Mehmet Yılmaz, Nihan Potas and Birol Topçu   |            |
| <b>11</b> | <b>Cryptosystems Based on Chaos Theory . . . . .</b>   | <b>129</b> |
|           | Mohammad Ahmad Alia  |            |
| <b>12</b> | <b>Understanding Chaos and Complexity in Education Systems Through Conceptualization of Fractal Properties . . . . .</b>                       | <b>147</b> |
|           | Şefika Şule Erçetin, Ssali Muhammadi Bisaso and Fathimath Saeed  |            |
| <b>13</b> | <b>Chaotic Pseudorandom Sequences and the Security of Cryptosystems . . . . .</b>  | <b>163</b> |
|           | Aliyu Danladi Hina, Mohamad Rushdan Md Said and Santo Banerjee   |            |
| <b>14</b> | <b>Object Oriented Modelling of Corporate Complexity Performance Balance Card: CBBC . . . . .</b>  | <b>175</b> |
|           | Fatma Çınar and C. Coşkun Küçüközmen   |            |
| <b>15</b> | <b>Chaotic Awareness in Gezipark . . . . .</b>   | <b>183</b> |
|           | K. Gediz Akdeniz   |            |
| <b>16</b> | <b>Unraveling the Complexity of Tourist Experience with NFC Technology and Mobile Wallets . . . . .</b>  | <b>189</b> |
|           | Federica Palumbo and Gandolfo Dominici   |            |
| <b>17</b> | <b>Protection of Fundamental Rights and Freedoms as a Universal Problem and Chaos Theory . . . . .</b>   | <b>197</b> |
|           | Sami Sezai Ural and Şuay Nilhan Açıkalin   |            |
| <b>18</b> | <b>The Use of Systems Approach in Psychological Counseling and Guidance . . . . .</b>  | <b>213</b> |
|           | Filiz Bilge, Dilek Avcı, Emine Feyza Dinçel, Evrim Alkış Demirel, Hilal Karatekin, Özlem Koç and Selen Demirtaş Zorbaz                         |            |
| <b>19</b> | <b>Using Balance Theory for the Sequential and Correlated Development of Vision, Strategies and Projects in Complex Environments . . . . .</b> | <b>229</b> |
|           | Ömer Livvarçin and Dilek Kurt  |            |

|           |  |            |
|-----------|--|------------|
| <b>20</b> | <b>Chaotic Interaction in Abnormal Leadership Processes<br/>from the Perspective of Leaders and Followers . . . . .</b>                                      | <b>235</b> |
|           | Şefika Şule Erçetin, Halime Güngör and Şuay Nilhan Açıkalin  |            |
| <b>21</b> | <b>A Comparative Study on Three Different Types of Music<br/>Based on Same Indian Raga and Their Effects<br/>on Human Autonomic Nervous Systems. . . . .</b> | <b>243</b> |
|           | Sayan Mukherjee, Sanjay Kumar Palit, Santo Banerjee<br>and D.K. Bhattacharya   |            |
| <b>22</b> | <b>Injustice as a Judicial Product: A Problematic Tendency<br/>in Legal Thinking and Practice . . . . .</b>  | <b>255</b> |
|           | Emir Kaya  |            |
| <b>23</b> | <b>Selected Indicators and Methods for Evaluation<br/>of E-Participation . . . . .</b>   | <b>261</b> |
|           | Jitka Komarkova and Devanjan Bhattacharya  |            |
| <b>24</b> | <b>Stock Market Development and Economic Growth:<br/>An Empirical Analysis Between Turkey<br/>and BRICS Countries . . . . .</b>                              | <b>269</b> |
|           | Abdu Seid Ali  |            |
| <b>25</b> | <b>Teachers' and Principals' Views on Principals' Characteristics<br/>and Importance of Principal's Characteristics in Chaos . . . . .</b>                   | <b>285</b> |
|           | Nursel Yardibi   |            |
| <b>26</b> | <b>Social Networks: Connections in Structures . . . . .</b>  | <b>299</b> |
|           | Şefika Şule Erçetin and Nilay Başar Neyişci  |            |
| <b>27</b> | <b>Leadership in the Future Experts' Creativity Development<br/>with Scientific Research Activities . . . . .</b>  | <b>305</b> |
|           | Shynar Ismuratova and Kadisha Shalgynbayeva  |            |
| <b>28</b> | <b>The Conflict Management Styles Used by Managers<br/>of Private Primary Schools: An Example of Ankara. . . . .</b>   | <b>315</b> |
|           | Sabri Çelik  |            |
| <b>29</b> | <b>Contemporary Leadership Theories. . . . .</b>   | <b>327</b> |
|           | Mina Abbasiyannejad and Abu Daud Silong  |            |

|           |   |            |
|-----------|---|------------|
| <b>30</b> | <b>Comparison of the Models Adopted Regarding the Training and Appointment of School Administrators (Turkey, France, Denmark and England Sample). . . . .</b> | <b>331</b> |
|           | Alican Pelit  |            |
| <b>31</b> | <b>Complexity of Leadership in the Context of Political Governance in Niger. . . . .</b>  | <b>343</b> |
|           | Mahamadou Yahaya  |            |
| <b>32</b> | <b>The Development and Modernization of Minangkabau People in Sumatera Barat in Indonesia and Its Impact on Local Identity . . . . .</b>                      | <b>359</b> |
|           | Silfia Hanani   |            |
| <b>33</b> | <b>Family Leadership for Development of Rural Malay Herbal Entrepreneurship in Malaysia . . . . .</b>   | <b>367</b> |
|           | Kamal Chandra Paul, Azimi Hamzah, Bahaman Abu Samah, Ismi Arif Ismail and Jeffrey Lawrence D'Silva  |            |
| <b>34</b> | <b>Evaluating the Application of Possibility and Equality of Opportunity in Higher Education According to Chaos Theory. . . . .</b>                           | <b>379</b> |
|           | Müjdat Avcı, Mehmet Özbaş and Sait Akbaşlı  |            |
| <b>35</b> | <b>Chaos in Secondary Education Programs and Textbooks in Terms of Literature from Turkish Republic to Today . . . . .</b>                                    | <b>393</b> |
|           | M. Abdullah Arslan  |            |
| <b>36</b> | <b>Assessing the Impact of Project Atmosphere and Leaders on Risk Management in Chaotic Environments . . . . .</b>  | <b>403</b> |
|           | Nilgün Dinçarslan Ergel and Ömer Livvarçın  |            |
| <b>37</b> | <b>The Main Problems of High Quality Training of Future Specialists . . . . .</b>   | <b>409</b> |
|           | Zhumabekova Fatima Niyazbekovna   |            |
| <b>38</b> | <b>An Evaluation of the Classroom Teachers' Attitudes Towards the Constructivist Approach According to Complexity Theory: A Case of Mersin . . . . .</b>      | <b>419</b> |
|           | Sait Akbaşlı and Lütfi Üredi  |            |
| <b>39</b> | <b>The Impact of Human Resource Management Functions on Corporate Image . . . . .</b>   | <b>435</b> |
|           | Halil Seval and Hale Caner  |            |

|           |   |            |
|-----------|---|------------|
| <b>40</b> | <b>Is It Really a Sisyphus Torture? Political Economy of Everyday Life. . . . .</b>   | <b>459</b> |
|           | Ali Tarhan  |            |
| <b>41</b> | <b>Competence-Based Approach in the System of Forming Deontological Preparedness of Specialists . . . . .</b>   | <b>473</b> |
|           | Kaliyabanu Kertayeva and Aida Meirkulova  |            |
| <b>42</b> | <b>Rural Malay Youth Leadership and Malaysian Herbal Entrepreneurship Development . . . . .</b>   | <b>479</b> |
|           | Kamal Chandra Paul, Azimi Hamzah, Bahaman Abu Samah, Ismi Arif Ismail and Jeffrey Lawrence D'Silva  |            |
| <b>43</b> | <b>Integration of Roma in European Union Within Context of Complexity Theory in the New World . . . . .</b>   | <b>483</b> |
|           | Tuğçe Atak  |            |
| <b>44</b> | <b>Leading and Managing Organizational Change in Chaos and Complexity . . . . .</b>   | <b>497</b> |
|           | Çağlar Doğru  |            |
| <b>45</b> | <b>Improving School Leadership: A Way to Challenging Chaos . . . .</b>  | <b>509</b> |
|           | Esen Arzu Kayman  |            |
| <b>46</b> | <b>Managing Successful Projects to Prevent Chaos and Complexity in Organizations . . . . .</b>  | <b>517</b> |
|           | Haydar Ateş   |            |
| <b>47</b> | <b>Postgraduate Students' Perceptions of Leadership in Politics: A Metaphor Analysis Sample of Hacettepe University, Department of Educational Sciences . . . . .</b> | <b>527</b> |
|           | Leyla Yılmaz Fındık   |            |
| <b>48</b> | <b>Evaluating the Primary School Teachers' Level of Forming a Constructivist Learning Environment According to Chaos Theory. . . . .</b>                              | <b>537</b> |
|           | Lütfi Üredi   |            |



<http://www.springer.com/978-3-319-09709-1>

Chaos, Complexity and Leadership 2013

Erçetin, Ş.Ş.; Banerjee, S. (Eds.)

2015, XIII, 566 p. 37 illus., 30 illus. in color., Hardcover

ISBN: 978-3-319-09709-1