Applied Chaos and Complexity
Theory in Education

Part of the Advances in Educational Marketing, Administration, and Leadership Book Series

Şefika Şule Erçetin (Hacettepe University, Turkey)

Description:

As a field of mathematical study, chaos and complexity theory analyzes the state of dynamical systems by evaluating how they interact, evolve, and adapt. Though this theory impacts a variety of disciplines, it also has significant influence on educational systems and settings.

Applied Chaos and Complexity Theory in Education examines the application of the theories of chaos and complexity in relation to educational systems and institutions. Features emergent research and perspectives on mathematical patterns in educational settings and instructional practices.

Readers:

This book is a comprehensive reference source for researchers, scholars, mathematicians, and graduate students.


Topics Covered:

- Classroom Discipline
- Conflict Management
- Corruption
- Educational Management
- Emotional Intelligence
- Leadership Skills
- Self-Assessment
- Social Networks

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Table of Contents

Chapter 1: Chaotic and Complex Situations in Girls' Education: Problems and Solutions
Mehmet Özbaş, Erzincan University Faculty of Education, Department of Educational Sciences, Department of Educational Administration Supervision Planning and Economics, Erzincan, Turkey.

Chapter 2: The Influence of Changing Paradigms on Educational Management and School Administration
Şefika Şule Erçetin, Hacettepe University, Faculty of Education, Ankara, Turkey. International Science Association, Ankara, Turkey
Ssali Muhammedi Bisaoso, Islamic University in Uganda & Hacettepe University, Department of Educational Management and Supervision, Ankara, Turkey.

Chapter 3: Principal Proactivity: School Principals' Proactive Behavior Forms and Their Levels Of Display
Tuncer Fidan, Institute of Educational Sciences, University of Ankara, Ankara, Turkey
Ali Balci, University of Ankara, Faculty of Educational Sciences, Ankara, Turkey

Chapter 4: Leaders' Emotional Intelligence in the Chaos and Complexity Situations of Educational Organizations
Şefika Şule Erçetin, Hacettepe University, Ankara, Turkey. International Science Association, Ankara, Turkey
Bane Ercok, Nevşehir Hacı Bektaş Veli University, Nevşehir, Turkey
Anıl Kadir Erani, Nevşehir Provincial Directorate of National Education, Nevşehir, Turkey

Chapter 5: The University System as a Mere Organized Conflict Environment
Yusuf Abubakar, Sokoto State University, Sokoto Nigeria
Abubakar Mansur Danjeka, Federal College of Education, Economics Department, Zaria, Nigeria

Chapter 6: Principals' Views on Stigma Tendency
Halime Güngör, Hacettepe University, Department of Educational Management, Planning, Supervision and Economics, Ankara, Turkey

Chapter 7: Managing the Chaos and Complexities of Informal Organizations for the Effectiveness of Schools as Formal Organizations
Sa'adu Isa Bashar, Department of Education Foundations, Faculty of Education, Sokoto State University, Sokoto, Nigeria
Zayyanu Sambo, Department of Islamic Studies, Shehu Shagari College of Education, Sokoto, Nigeria

Chapter 8: Education and Leadership in Social Networks
Kenan Ili, Hacettepe University, Ankara, Turkey
Mehmet Menteşe, Hacettepe University, Ankara, Turkey

Chapter 9: Complexity of School Leadership in the Wake of Teacher Insularity
Ssali Muhammedi Bisaoso, Islamic University in Uganda & Hacettepe University, Department of Educational Management and Supervision, Ankara, Turkey.

Chapter 10: Reflection of Chaos and Complexity Theory Properties within Classroom discipline
Fatimath Saeed, Ministry of Education, Maldives & Gazi University, Department of Educational Management and Supervision, Ankara, Turkey.

Chapter 11: Corruption as a Challenge to Quality and Quantity of Education in Sokoto State, Nigeria
Mukhtar Salihu Nawait, Department of Educational Psychology and Counseling, Faculty of Education Sokoto State University, Sokoto State, Nigeria.

Chapter 12: Complexity Ramifications of High Stakes Examinations as a Measure of Accountability in Education Systems
Ssali Muhammedi Bisaoso, Islamic University in Uganda & Hacettepe University, Department of Educational Management and Supervision, Ankara, Turkey.
Shakira Bodlo, Department of Literature, Language & Linguistics, Islamic University in Uganda

Chapter 13: Conflict Management in Higher Educational Institutions: A Complexity Perspective
Faroq Miro, Department of Educational Management and Administration, Islamic University in Uganda

Chapter 14: Leadership Skills in Complex Collegial Adult Groups
Muhamadi Kaweesi, Department of Educational Management and Administration, Faculty of Education, Islamic University in Uganda

Chapter 15: Decision Making and Problem Solving in Higher Educational Institutions
Muhamadi Kaweesi, Department of Educational Management and Administration, Islamic University in Uganda
Faroq Miro, Department of Educational Management and Administration, Islamic University in Uganda.

Chapter 16: Self-Assessment of Principals Based on Leadership in Complexity
Leyla Yılmaz Fındık, Hacettepe University, Department of Educational Management, Planning, Supervision and Economics, Ankara, Turkey

Şefika Şule Erçetin graduated from the Faculty of Economics, Administrative and Social Sciences Department of Business Administration at Anadolu University in 1984. In 1987 she has started to work as research assistant at the Division of Educational Administration, Supervision, Planning, and Economics in Hacettepe University and completed the doctorate there. In 1994 she was invited by The University of Texas at Austin, where she worked as visiting scholar for six months. Since 2003 she has been working as professor. In 2009-2012 she directed many international and national projects about “organizational intelligence, municipalities, vocational education,” as project coordinator. She is the president, board member and founder member of the International Science Association (ISCASS). Along with ISCASS, Prof. Dr. Şefika Şule ERÇETIN organized three international symposiums and now is calling for the new international symposium “4rd International Symposium on Chaos, Complexity and Leadership (ICCLS 2016). She is editor in chief of different national and international journals. She has many published articles both national and international journals. She has written seven national books, twenty four international book chapters and edited seven international books, latter of them published by SPRINGER and IGI Global. She is one of rare academicians in Turkey who interests in “chaos, complexity, quantum leadership” since 1990. She has directed many theses and she gives seminars about these topics. Other main research fields of her are comparative education policies, research methods organizational intelligence and stupidity and wisdom, leadership, migration, fuzzy logic, children at risk, women and peace studies, social media.