



**APPLIED SCIENCE FACULTY
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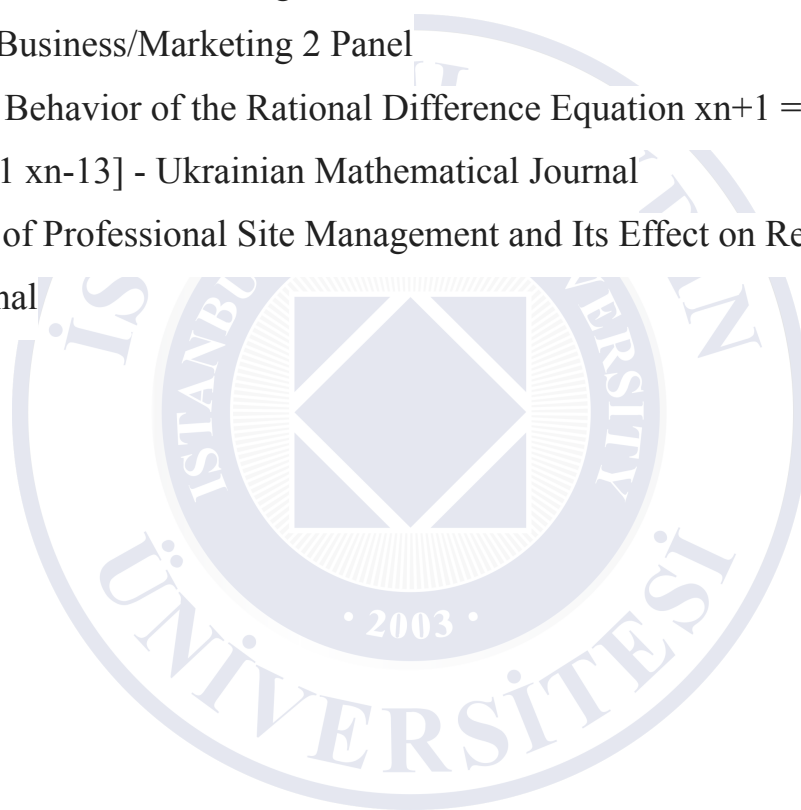
Assist. Prof. Dr. Eray KARAASLAN – Faculty Member

Prepared for Publication

Assist. Prof. Dr. Eray KARAASLAN – Faculty Member

CONTENTS

- BLUESKY AWARDS 2024 Award Ceremony
- AKEV and BİL Colleges Recycling Design Competition
- Sustainable Life event
- Webinar - Sustainable Life Festival
- Panel Moderation - Business/Marketing 1 Panel
- Panel Moderation - Business/Marketing 2 Panel
- Article - Dynamical Behavior of the Rational Difference Equation $x_{n+1} = [x_{n-13}] / [1+x_{n-1} x_{n-3} x_{n-5} x_{n-7} x_{n-9} x_{n-11} x_{n-13}]$ - Ukrainian Mathematical Journal
- Article - “Necessity of Professional Site Management and Its Effect on Real Estate Value” - Sosyoekonomi Journal



Our Faculty of Applied Sciences Pilotage Department was deemed worthy of the "Prestigious Pilotage University of the Year" award at the BLUESKY AWARDS 2024. Our faculty member Assoc. Prof. Dr. Salim Kurnaz represented our university and faculty by attending the award ceremony. We would like to thank our valuable academicians, students and our entire team for their efforts in this success.



November 07, 2024

Dean of the Faculty of Applied Sciences Prof. Dr. Meltem NURTANIŞ VELİOĞLU participated in the Award Ceremony of AKEV and BİL Colleges Recycling Design Competition as a Jury Member.



November 14, 2024

Dean of the Faculty of Applied Sciences Prof. Dr. Meltem NURTANIŞ VELİOĞLU, organized the Sustainable Life-Women's Planet event in cooperation with the Sustainability Board and participated in it.



November 20, 2024

Dean of the Faculty of Applied Sciences Prof. Dr. Meltem NURTANIŞ VELİOĞLU participated in the pre-festival preparation Webinar for the "Sustainable Life Festival", Turkey's first and only sustainability-themed festival, of which our university is also a stakeholder.

DAVET: Sürdürülebilir Yaşam Festivali öncesinde buluşuyoruz.

Bugün İstanbul'daki üniversitelerde "sürdürülebilirlik" ve "kariyer" alanında çalışanlarla online buluşuyoruz.

Online toplantımız **20 Kasım Çarşamba** 13.30 - 14.30 **saatleri** arasında gerçekleşiyor.

=> Toplantı Katılım Linki: <https://meet.google.com/svp-drzj-wzq>

Sürdürülebilir Yaşam Festivali

www.surdurulebiliryasamfestivali.com



November 22, 2024

TÜBİTAK

Dean of the Faculty of Applied Sciences Prof. Dr. Meltem NURTANIŞ VELİOĞLU, as a member of the TÜBİTAK Advisory Board, served as the “Panel Moderator” in the panel titled "2024-2-Business/Marketing 1 Panel (Online Panel)" held on 22/11/2024 (09:30).



November 29, 2024

Dean of the Faculty of Applied Sciences Prof. Dr. Meltem NURTANIŞ VELİOĞLU, as a member of the TÜBİTAK Advisory Board, served as the “Panel Moderator” in the panel titled "2024-2-Business/Marketing 2 Panel (Online Panel)" held on 29/11/2024 (09:30).

The article titled "Dynamical Behavior of the Rational Difference Equation $x_{n+1} = [x_{n-13}] / [1+x_{n-1} x_{n-3} x_{n-5} x_{n-7} x_{n-9} x_{n-11} x_{n-13}]$ " by Dr. Burak OĞUL, faculty member of the Department of Management Information Systems of the Faculty of Applied Sciences, has been published in the "Ukrainian Mathematical Journal" with the Sci-exp. (Q3) index. We congratulate our professor and wish him continued success.

Article title: Dynamical Behavior of the Rational Difference Equation $x_{n+1} = [x_{n-13}] / [1+x_{n-1} x_{n-3} x_{n-5} x_{n-7} x_{n-9} x_{n-11} x_{n-13}]$
 Journal: Ukrainian Mathematical Journal
 Magazine platform: Springer
 Index: Sci-exp. (Q3)



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 Ukrainian Mathematical Journal, Vol. 76, No. 7, December, 2024 (Ukrainian Original Vol. 76, No. 7, July, 2024)

DYNAMICAL BEHAVIOR OF THE RATIONAL DIFFERENCE EQUATION

$$x_{n+1} = \frac{x_{n-13}}{\pm 1 \pm x_{n-1} x_{n-3} x_{n-5} x_{n-7} x_{n-9} x_{n-11} x_{n-13}}$$

D. Şimşek,^{1,2} B. Oğul,³ and F. G. Abdullayev⁴

UDC 517.9

Discrete-time systems are sometimes used to explain natural phenomena encountered in nonlinear sciences. We study the periodicity, boundedness, oscillation, stability, and some exact solutions of nonlinear difference equations. Exact solutions are obtained by using the standard iterative method. Some well-known theorems are used to test the stability of equilibrium points. Some numerical examples are also provided to confirm the validity of the theoretical results. The numerical component is implemented with the Wolfram Mathematica. The presented method may be simply applied to some other rational recursive issues. We explore the dynamics of adhering to the rational difference formula

$$x_{n+1} = \frac{x_{n-13}}{\pm 1 \pm x_{n-1} x_{n-3} x_{n-5} x_{n-7} x_{n-9} x_{n-11} x_{n-13}}$$

where the initials are arbitrary nonzero real numbers.

1. Introduction

The evolution of certain natural phenomena is often described in the course of time by using differential equations. However, numerous real-life problems can be sometimes simulated by using discrete time steps, which lead to difference equations. Hence, the recursive equations play an efficient and powerful role in mathematics. They are successfully used in the investigation of various applications in engineering, physics, biology, economics, and other fields. Thus, the recursive equations can be efficiently used in modeling some natural phenomena, such

The article titled “Necessity of Professional Site Management and Its Effect on the Value of Real Estate” by Dr. Lecturer Mustafa Koray Erentürk, Department of Management Information Systems English, Faculty of Applied Sciences, was published in the “SOCYOECONOMY” magazine in the ESCI category. We congratulate our professor and wish him continued success.

Sosyoekonomi

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Profesyonel Site Yönetiminin Gerekliliği ve Gayrimenkulün Değerine Etkisi Konusunda Bir Araştırma

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Research on The Necessity of Professional Site Management and Its Effect on The Value of Real Estate

Abstract

This study aims to determine the opinions of people living in collective housing complexes on the necessity of professional complex management and its impact on the value of real estate and to investigate whether their views differ based on their demographic characteristics. For the study, a field study was conducted in 26 housing complexes built by TOKİ in Istanbul by using the survey method. According to the findings obtained from the study, people with higher education and income levels believe that professional site management is necessary and that professional site management increases the value of real estate. There is a high degree of dependency between the opinion that professional site management is needed and that the value of real estate will increase in a professionally managed site. Since no related studies have been found demonstrating the relationship between facility management and real estate value, this study is thought to contribute to the literature. Real estate investors, academics, and professionals in the field of facility management will benefit from the study's findings.

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