**Contents**

9-10 Editörden

**Research Articles**

11-36 A NOVEL COLOR IMAGE ENCRYPTION ALGORITHM BASED ON SIX-DIMENSIONAL (6D) HYPER-CHAOTIC SYSTEMS AND FIBONACCI Q-MATRIX FOR ENHANCED CYBERSECURITY IN OPTICAL COMMUNICATIONS

**Wisam Mohammed Enad ALMUSAWI, N. Özlem ÜNVERDİ**

37-62 DYNAMIC ANALYSIS USING THE SUPERPOSITION OF MODES AND

HORIZONTAL EARTHQUAKE SPECTRA: COMPARISON WITH STATIC ANALYSIS IN THE EXAMPLE OF A 20-STOREY BUILDING

**Bashar Hammoodi Khalaf AL-JANABI**

63-71 Effective audio and video-based learning for youngest Age

**BASMAL OMER AKRAM, HAKAN KOYUNCU, HASAN ABDULKADER**

73-87 Integration the Solar Energy with Residential Buildings within Smart Cities – Gulf

Countries

Ghaydaa Shaheen, Gülay Yedekci

89-100 IOT BASED SMART METERING SYSTEM IN SMART HOMES

**Mohammed Hamid Alhawasy, Abdullahi Abdu Ibrahim**

101-110 MANAGING IRAQI CONSTRUCTION PROJECT USING AGILE APPROACH

 **Hanan Qasim HAMEED**

111-119 Phyton İle Yapay Zeka Kullanarak Trafik Levhalarını Tanımlama

 **Hasan KUŞCU, Deniz ÜNLÜ, Mustafa TÜMAY**

121-140USING DEEP LEARNING BASED CLASSIFICATION ALGORITHM TO DETECT

 FAULTS IN TURBINE ENGINES

 **Ali Khalid Younis AL-TAIE, Osman Nuri UÇAN**

141-149 West texas Crude oil forcasting using ARIMA and Holt winter models using R

 **Ellaf saleh Rustam**