

CONTENT

1. THE STUDY OF CLIMATE CHANGE AND THEIR EFFECTS ON SOIL Irina-Ramona Pecingină, Roxana-Gabriela Popa	11
2. RENEWABLE ENERGY DEVELOPMENT Adina Tătar , Bogdan Diaconu	16
3 A GROUPOID ASSOCIATED TO DISCRETE-TIME SYSTEM THAT DOES NOT SATISFIES SEMIGROUP PROPERTY Mădălina Roxana Buneci	20
4. RESEARCH NOISE LEVELS FROM ROAD TRAFFIC IN TARGU - JIU Emil Catalin Șchiopu.....	24
5. CO₂ CAPTURE TECHNOLOGY Adriana Foaene, Adina Tătar.....	28
6. REMOVING FINE PARTICULATE MATTER FROM THE ATMOSPHERE USING ANIONS George Popescu , Adina Tatar	33
7. SYSTEM PROPOSAL TO DETECT THE LOCATION OF HOT SPOTS APPEARED INSIDE A SOLID BLOCK BY MONITORING ITS SURFACE Cotoi Alina, Grofu Florin, Cerel Constantin.....	36
8. QUANTUM VACUUM ENERGY DENSITY Popescu George.....	40
9. OXY-FUEL COMBUSTION Adriana Foaene.....	42
10. SUSTAINABLE DEVELOPMENT – THE ASSAULT OF UNCONVENTIONAL TECHNOLOGIES Nicoleta Mihuț, Alin Nioață, Florin Ciofu.....	46
11. ASPECTS OF THE INFLUENCE OF THE NOMINAL SUPPLY VOLTAGE ON THE CAPACITIVE CURRENT PASSING THROUGH THE ELECTRIC LINES IN CABLE Cristinel Popescu.....	52
12. RANCHING OF GENERALIZED TRAPEZOIDAL INTUITIONISTIC FUZZY NUMBERS BASED ON RANK, MODE, DIVERGENCE AND SPREAD Iuliana Carmen Bărbăcioru.....	56
13. STUDY ON THE ENERGY BALANCE SHEETS OF AIR BURNING STEAM PLANT OF GENERATORS OPERATING WITH COAL Cristinel Racoceanu.....	62