

CONTENTS:

1. **Igor WINKLER, Antonia ANDRUSYAK,** **5**
Lifetime of freezing - activated water
2. **Alina-Petronela HALLER,** **10**
Romanian trade liberalization of food products in terms of export benefits in the knowledge society
3. **Marian PETRE, Alexandru TEODORESCU,** **17**
Biotechnology of edible mushrooms cultivation on vine and winery wastes
4. **Diana CURCHI, Rodica STURZA,** **22**
Oxidative stability of iron enriched oil-in-water emulsions
5. **Monica CATANĂ, Luminița CATANĂ, Mioara NEGOIȚĂ, Enuța IORGA, Alina BĂLEA, Gabriela LILIOS,** **27**
Determination of dioxins and furans from eggs and oils, through high resolution gas chromatography in combination with high resolution mass spectrometry
6. **Loredana DUMITRAȘCU, Alina ARDELEAN and Nicoleta STĂNCIUC,** **34**
The influence of processing and medium composition on the thiol availability of whey protein concentrate
7. **Iosif GERGEN, Despina Maria BORDEAN, Monica HARMANESCU, Florina RADU, Marilena MICLAU,** **40**
Selectivity of calix [6]arene-coated piezoelectric quartz crystal sensor for the detection of some organic amine in gas flow
8. **Gabriel – Dănuț MOCANU, Oana – Viorela NISTOR, Elisabeta BOTEZ, Doina – Georgeta ANDRONOIU,** **44**
Study on the parameters' variation in fruits drying process
9. **Violeta VASILACHE,** **50**
The present state of researches regarding electroplating problems (Review)
10. **Andrei STURZA, Olga DESEATNICOVA,** **59**
Optimization of the extraction of polyphenols from grape seeds
11. **Dumitru DIMA, Monica MURARESCU, Gabriel ANDREI, Simona CHICULITA,** **66**
An obtaining method for carbon nanotubes with modified surface
12. **Iuliana Mihaela LAZAR, Arcadie SOBETKII, Ileana Denisa NISTOR, Neculai Doru MIRON, Marius STAMATE, Gabriel Octavian LAZAR,** **72**
Dielectrophoretic devices for separating foodborne pathogens
13. **Luminița CATANĂ, Monica CATANĂ, Mioara NEGOIȚĂ, Enuța IORGA, Gabriela LILIOS,** **78**
Fruit-based concentrated products, iron fortified, intended for prevention and diet therapy of iron deficiencies of vulnerable population groups

14. **Oana Viorela NISTOR, Elena POPA, Elisabeta BOTEZ, Oana Emilia CONSTANTIN,** **84**
Researches on the evolution of concentrated fruit juices quality at storage
15. **Mihaela MARDARE (CHIRILĂ), Gheorghe ZGHEREA, Gabriel MURARIU, Constantin MATEESCU, Iosif GERGEN, Gabriela CONSTANTINESCU (POP),** **90**
Effect of tq processing on cell wall in relation to firmness of carrot tissue – part I.
The tissue model
16. **Cristina POPOVICI, Tatiana CAPCANARI, Olga ZAGARSCHIH, Olga DESEATNICOVA, Rodica STURZA** **97**
Antioxidant activity of plant extracts containing polyphenol compounds
17. **Monica HĂRMĂNESCU, Alexandru MOISUC, Iosif GERGEN** **105**
Near infrared spectroscopy – an alternative to determine the crude fiber content of forages
18. **Gintaras SVECEVIČIUS¹, Nijolė KAZLAUSKIENĖ¹** **110**
Use of fish behavioral responses in identifying sublethal exposure to pollutants
19. **AUTHOR INSTRUCTIONS** **114**