

CONTENTS:

1. Sonia GUTT, Alina PSIBILSCHI, Eufrozina NIGA , Influence of temperature upon ethanol yield of no-cooking mash fermentation	1
2. Yarema TEVTUL, Sonia GUTT , Prevention of the anthropogenic pollution of natural water in the near-border regions	8
3. Boris GĂINĂ, Rodica STURZA, Violeta BEJAN, Constantin BODEAN , The content of ochratoxin a in moldavian wine products	16
4. Cristina POPOVICI, Olga DESEATNICOV, Rodica STURZA , Effect of naturale extracts of plants on the oxidative stability of iodine-fortified sunflower oil	25
5. Georg GUTT, Sonia GUTT, Rodica STURZA , Neues spektrometrisches Verfahren und Einrichtung zur in situ Wein- und Bier Analyse	33
6. Sergey BORUK, Igor WINKLER , The chemical plants wastewater utilization as a source for the water- coal fuel production	38
7. C. E. WALKER, J. XUE , Ovens and heat transfer – review	46
8. Monica BUTNARIU, Veronica SĂRĂȚEAN, Marinel Nicolae HORABLAGA , Case study concerning the heavy metals phyto-extraction three different soil types by species from asteraceae family	56
9. Cristina DAMIAN , A study on the properties of reactions with solid phase participations	63
10. Alina ROGOJANU, Mihaela DULCESCU, Dana-Ortansa DOROHAI , Ultrasound interactions with biological fluids	68
11. C. MIHOC, E. BURKEL , Synthesis and analysis of al-based nanopowders	72
12. Adriana DABIJA, Abdelkrim AZZOUZ , Studies concerning correlation between raw milk's technological indicators and milk acid products' physical-chemical parameters	78
13. Iuliana SION, Adriana DABIJA, Abdelkrim AZZOUZ , Aspects concerning natrium nitrite influence on meat preparats technological properties and shelflife	83
14. Iuliana SION, Adriana DABIJA, Abdelkrim AZZOUZ , researches concerning influence of malt enzymes on wort and beer quality	87
15. Gabriela POP, David KRISHOK , The corelation between quality of bread and exogenous addition of different types of α -amylases	91
16. Maria BOBU, Ilie SIMINICEANU, Elsa LUNDANES , Kinetics of isoproturon and monuron degradation by the UV/H ₂ O ₂ process	97
17. Rodica CIOBANU , The influence of the attack of fungus taphrina deformans (berk) on the activity of peroxidase at redhaven and redskin sorts of peach	106
18. Violeta VASILACHE, Traian VASILACHE, Gheorghe GUTT , Contributions to elaborate a material balance, an energetic balance and an optimization method for nickel electroplating process	110
19. Ana LEAHU, Gabriela Georgiana CODINA , The atmospherically pollution and the soil acidification	118

20. Marcel AVRAMIUC , Research concerning the influence of thermal treatment on some biochemical parameters of maize and sunflower refined oils	122
21. Poroch-Seritan Maria, Gutt Gheorghe , A study regarding the monitoring of the nickel baths pH	126
22. Cristina-Elena HREȚCANU , The golden representation of the complex number and Quaternions	132
23. Juergen HINS, Dirk FLOTTMANN , Determination of additives in beverages by electromigrative methods	137
24. Constantin HUȚUPAȘ, Micu NICU , Research on the impact induced in the environment by milk processing industry case study: S.C. Ecolact Co. Ltd. Milișăuți, Suceava county	143
25. Ioan GONTARIU , The meteorological conditions effect on the vectors aphides by viruses	149
26. Nicolae SOLOMON, Iulia SOLOMON , Influence of stainless steels corrosion resistance on the service life of heat exchangers	154
27. Monica DINU, Florin DUTESCU, Gabriela ROTARU , Researches concerning on making functional bread enrichment with soluble dietary fibers	158