

## CONTENTS

|  |           |
|--|-----------|
| <b>Sustainability in the exploitation of an aquifer for agriculture and urban water supply uses - Roberto MARTÍNEZ-ALEGRÍA, Javier TABOADA, Germán SANZ, Eduardo GIRALDEZ .....</b>  | <b>9</b>  |
| <b>Influence of soil chemical reaction and crop rotation on the capacity of reddish preluvosoil for free (asymbiotical) - fixing of the atmospheric dinitrogen - Maria-Daniela BUTURUGĂ, Dumitru Ilie SĂNDOIU, Gheorghe ȘTEFANIC .....</b>   | <b>13</b> |
| <b>Calcium alleviates stress in plants: insight into regulatory mechanisms - Elena DELIAN, Adrian CHIRA, Liliana BĂDULESCU, Lenuța CHIRA .....</b>   | <b>19</b> |
| <b>Restoration of heavy metals polluted soils case study - <i>camelina</i> – Delia DIMITRIU .....</b>  | <b>29</b> |
| <b>Coliform bacteria contamination profiling of raw milk cheeses using statistical assessment of type-linked correlations - Mara GEORGESCU, Constantin SAVU, Iuliana NEAGU, Dragoș GEORGESCU .....</b>   | <b>39</b> |
| <b>Influence of sowing time on the expression of barley and wheat plants physiology - Nicolae IONESCU, Aurelian PENESCU, Sorin Gabriel IONESCU .....</b>   | <b>45</b> |
| <b>Industrial wastewater treatment plant sound impact - Sebastian MUSTAȚĂ, Dragoș DRĂCEA, Augustina TRONAC .....</b>   | <b>51</b> |
| <b>Determining adaptive capacity to climate change in the grape and wine industry - Kerrie PICKERING, Ryan PLUMMER, Gary PICKERING .....</b>   | <b>55</b> |
| <b>The influence of tillage system and pre-emerging plant on economic efficiency and production at wheat cultures in the Somes Plateau - Adrian Ioan POP, Teodor RUSU, Ileana BOGDAN, Doru Ioan MARIN, Paula MORARU, Bogdan Matei DUDA, Camelia Liliana COSTE .....</b>  | <b>62</b> |
| <b>Beef meatballs adulteration tests with real time quantitative pcr detection for halal authentication - case studies sellers at traditional market and small medium enterprises (SMEs) merchants in Indonesia - Lobo Balia OOSTITA, Hendronoto Arnoldus Walewangko LENGKEY, Lilis SURYANINGSIH, Obin RACHMAWAN, Wendy Setyadi PUTRANTO, Eka WULANDARI, Gemilang Lara UTAMA .....</b> | <b>66</b> |
| <b>Analysis of water balance for determine cropping patterns for food crops in watershed Karangmumus - the province of east Kalimantan - Akas Pinarangan SUJALU, Ismail, Sigit HARDWINARTO, Chandradewana BOER, Sumaryono .....</b>  | <b>69</b> |