

Table of Contents

Alda S., Alda Liana Maria, Nita L., Cristea T., Gogoasa I., Pirvulescu Luminita, Carciu G., Bordean Despina Maria - Rapid monitoring of Ca and K in plants by X-ray fluorescence spectrometry method	1
Nita Simona, Nita L., Panaitescu Liliana - Preliminary studies on the production capacity of triticale (<i>Triticosecale Wittmack</i>) grains under the influence of fertilization and varieties	5
Pirvulescu Luminita - Comparative evaluation of antioxidant capacity of herbal plants by different methods	9
Pirvulescu Luminita - Apples Total Antioxidant Capacity, Water and Mineral Content	13
Velciov Ariana, Rada Maria, Gergen I., Mărutoiu Olivia Lorena, Măruțoiu C., Moigrădean Diana, Băghină N. and Gogoasă I. - Leafy Vegetables, Important Sources of Microelements	17
Dobre Steliana, Giura A. - Aspects regarding wheat genotypic response to PGR treatments applied <i>in vivo</i>	21
Malaescu Mihaela, Blidariu C., Dobrei A., Dobrei Alina, Nistor Eleonora, Drăgunescu Anca, Olaru Daniela, Velicevici Giancarla, Dobromir Daniela - Research concerning the effect of temperature on pollen germination capacity from several grape cultivars grown in Timisoara Didactic Station area	25
Malaescu Mihaela, Blidariu C., Dobrei A., Dobrei Alina, Nistor Eleonora, Drăgunescu Anca, Olaru Daniela, Velicevici Giancarla, Dobromir Daniela - Germination of pollen from several grape varieties depending on interactions: variety - temperature - period of germination	36
Olaru Daniela Nicoleta, Iordănescu Olimpia Alina, Blidariu Aurelia, Mălăescu Mihaela, Drăgunescu Aneta Anca, Răveanu M. F., Carciu G., Chis S. - The herbicides and hand weeding effectiveness upon weed degree and productions in plum tree orchard belonging Timisoara Didactic Station	41
Olaru Daniela Nicoleta, Iordănescu Olimpia Alina, Mălăescu Mihaela, Drăgunescu Aneta Anca, Blidariu Daciana, Răveanu Silvia Daniela, Chis S.jr. - The behavior of some local walnut biotypes in Banat – Romania	47
Cîrciu G., Alda S., Cristea T., Turc Alina Cîrciu D.V. - Influence of pre-emergent crop on yield and biometric and weight indices in grain maize	51
Cocan Ileana, Poiana Mariana-Atena, Dogaru Diana¹, Moigradean Diana¹, Dobrei Alina², Negrea Monica - Recovery and physico-chemical characterisation of grape seed oil	57
Prakash Bhattarai - Sweet Potato Research for Enhancing Food and Nutrition Security in Nepal	62
Turc Alina, Cîrciu G., Olaru Daniela - Influence of fertilisation and weed	71

control methods on weeding in the maize hybrid Fundulea 376

Sărac I., Petrescu Irina, Madosa E., Chereches B., Oprisan E. - The influence of cadmium in morphological development at *Allium sativum* L. 79

Sărac I., Petrescu Irina, Madosa E., Antonie I. F. - Copper effects at seed germination of *Secale cereale* L. 84

Petrescu Irina , Sarac I., Onisan E., Madosa E., Stroia C. - Morphological aspect for the grain pollen of *Alopecurus pratensis* and *Dactylis glomerata* 89