

CONTENTS

Food Technology

Luana Fernandes, José A. Pereira, Jorge A. Saraiva, Susana Casal, Elsa Ramalhosa

The effect of different post-harvest treatments on the quality of borage (*Borago officinalis*) petals . . . 5

Marianna Raczyk, Anna Paszel-Jaworska, Magdalena Rudzińska

Cytotoxic activity of stigmasteryl esters and products of their thermo-oxidative degradation against drug sensitive and drug resistant human acute lymphoblastic leukemia cells 11

Krešimir Mastanjević, Dragan Kovačević

Physico-chemical and thermal properties of chicken myofibrillar protein concentrate (CMPC) mixed with barley bran flour during frozen storage 19

Izabela Steinka, Anita Kukulowicz

Identification and study of the behavior of *S. aureus* and *S. epidermidis* in fresh and frozen strawberries 27

Safinaze El-Shibiny, Mona Abd El-Kader Mohamed Abd El-Gawad, Fayza Mohamed Assem, Samah Mosbah El-Sayed

The use of nano-sized eggshell powder for calcium fortification of cow's and buffalo's milk yogurts . . . 37

Katarzyna Turek, Jacek Domagała, Monika Wszolek

Fatty acid profile and oxidation tests of fat extracted from yogurt using rose hip seed oil 51

Małgorzata Dżugan, Monika Wesołowska, Grzegorz Zagula, Czesław Puchalski

The comparison of the physicochemical parameters and antioxidant activity of homemade and commercial pomegranate juices 59

Corinna Konieczna, Agnieszka Olejnik-Schmidt, Marcin T. Schmidt

Lactobacillus spp. belonging to the *Casei* group display a variety of adhesins 69

Human Nutrition

Anatoly V. Skalny, Alexey A. Tinkov, Irina Voronina, Olga Terekhina, Margarita G. Skalnaya, Tatiana G. Bohan, Lyubov A. Agarkova, Yulia Kovas

The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester 83

Joanna Bajerska, Agata Chmurzynska, Sylwia Mildner-Szkudlarz, Sławomira Drzymala-Czyż, Paweł Górnaś, Agnieszka Waśkiewicz, Agata Muzsik, Tomasz Podgórski, Paulina Nowaczyk, Małgorzata Woźniewicz

Effects of unextruded and extruded cranberry pomace on selected metabolic parameters in high-fat diet fed rats 91