

CONTENTS

Food Technology

Vasfiye Hazal Ozyurt, Semih Ötles

Effect of food processing on the physicochemical properties of dietary fibre 233

Sylwia Onacik-Gür, Anna Żbikowska, Ewa Kapler, Hanna Kowalska

Effect of barley β -glucan addition as a fat replacer on muffin quality 247

Katarzyna Mikolajczyk-Bator, Sylwia Pawlak

The effect of thermal treatment on antioxidant capacity and pigment contents in separated betalain fractions 257

Bartosz Kulczyński, Joanna Kobus-Cisowska, Dominik Kmiecik, Anna Gramza-Michałowska, Dorota Golczak, Józef Korczak

Antiradical capacity and polyphenol composition of asparagus spears varieties cultivated under different sunlight conditions 267

Urszula Złotek, Monika Karaś, Urszula Gawlik-Dziki, Urszula Szymańska, Barbara Baraniak, Anna Jakubczyk

Antioxidant activity of the aqueous and methanolic extracts of coffee beans (*Coffea arabica* L.) 281

Małgorzata Wroniak, Agnieszka Rękas, Katarzyna Ratusz

Influence of impurities in raw material on sensory and physicochemical properties of cold pressed rapeseed oil produced from conventionally and ecologically grown seeds 289

Dorota Walkowiak-Tomczak, Janusz Czapski, Karolina Mlynarczyk

Assessment of colour changes during storage of elderberry juice concentrate solutions using the optimization method 299

Agnieszka Latoch, Paweł Glibowski, Justyna Libera

The effect of replacing pork fat of inulin on the physicochemical and sensory quality of guinea fowl pate 311

Teresa Cegielska-Taras, Małgorzata Nogala-Kałucka, Laurencja Szala, Aleksander Siger

Study of variation of tocochromanol and phytosterol contents in black and yellow seeds of *Brassica napus* L. doubled haploid populations 321

Human Nutrition

Magdalena Zielińska-Dawidziak, Halina Staniek, Ewelina Król, Dorota Piasecka-Kwiatkowska, Tomasz Twardowski

Legume seeds and cereal grains' capacity to accumulate iron while sprouting in order to obtain food fortificant 333

Marta Stelmach-Mardas, Marcin Mardas, Wojciech Warchol, Paweł Bogdański

An analysis of the meal pattern at the nutrient level in Polish women 339