

CONTENTS

Editor's column	ii
Salama Heba H., Abdel-Wahhab Khaled G., Khalil Heba M. A., Abdelhamid Samy M., Hassan Laila K. Acid curd (Karish) cheese supplemented with ashwagandha and/or probiotics: Modulatory efficiency on induced behavioral and neurochemical changes in rats	1
Bobrysheva Tatyana N., Anisimov Georgy S., Zolotoreva Marina S., Evdokimov Ivan A., Budkevich Roman O., Muravyev Alexandr K. Encapsulated polyphenols in functional food production	18
Amraoui Abdelatif, Djerrou Zouhir, Haimoud Safia Ali, Zerouki Khayra, Elmokli Samira Antihyperlipidemic and antioxidant potential of <i>Olea europaea</i> L. leaves: An experimental study <i>in vivo</i> , <i>in vitro</i> and <i>in silico</i>	35
Pushpakaran Arun M. K., Singh Jyoti, Rasane Prasad, Kaur Sawinder, Kaur Jaspreet, Kaur Jasjit, Kumar Mukul, Assouguem Amine Immunomodulatory effect of ashwagandha (<i>Withania somnifera</i> L. Dunal) and its impact on COVID-19	46
Danyo Emmanuel Kormla, Ivantsova Maria N. Fruit phytochemicals: Antioxidant activity and health-promoting properties	58
Moawad Shima, El-Kalyoubi Mamdouh H., Khallaf Mohamed F., Gawad Ramadan A., Saed Badr, Farouk Amr Microencapsulation by coacervation: Physicochemical and sensory properties of food flavorings	73
Oleghe Peace Omoikhudu, Akharaiyi Fred Coolborn, Ehis-Eriakha Chioma Bertha Phylogenetic identification of microbes from fermented botanicals used in gluten-free composite flour mixes	82
Dave Jaydeep, Kumar Nishant, Upadhyay Ashutosh, Purba Daniel Tua, Kudre Tanaji, Nukthamna Pikunthong, Sa-nguanpuag Sampatee, Moula Ali Ali Muhammed, Bavisetty Sri Charan Bindu Sustainable fish oil extraction from catfish visceral biomass: A comparative study between high-shear homogenization and high-frequency ultrasound on wet rendering process	94
Rabhi Loubna, Jabir Brahim, Fali Nouredine, Afraite Lekbir, Bouikhalen Belaid Digital transformation metamodel in smart farming: Crop classification prediction based on recurrent neural network	107
Pogorelov Alexander G., Ipatova Larisa G., Panait Artem I., Stankevich Anna A., Pogorelova Valentina N., Suvorov Oleg A. Oil emulsion stability in electrolyzed water solutions	119
Abdelwahab Siddig Ibrahim, Taha Manal Mohamed Elhassan, Mariod Abdalbasit Adam Bibliometric analysis of scientific research on <i>Sclerocarya birrea</i> (A. Rich.) Hochst.	128
Asan-Ozusaglam Meltem, Celik Irem Formulating edible films with red pitahaya extract and probiotic	144
Tekin Zehra, Küçükbay Fatümetüzzehra Pomegranate leaves, buds, and flowers: phytochemical, antioxidant, and comparative solvent analyzes	155
Pankov Nikita A., Lushnikova Anastasia Yu., Perezhogina Tatiyana A., Gnuchikh Evgeniya V., Lobanov Vladimir G., Vanitskaya Tamara V. Oral tobacco-free nicotine products: Quality and safety during storage	172
Kochkarev Pavel V., Perevozchikova Maria A., Sergeyev Alexey A., Shiryaev Valery V., Dvornikov Mikhail G. The impact of lead, cadmium, and mercury on the reproduction of mountain hares (<i>Lepus timidus</i> L., 1758) in the north of Krasnoyarsk Krai	178
Vesnina Anna D., Milentyeva Irina S., Le Violeta M., Fedorova Anastasiya M., Altshuler Olga G., Prosekov Alexander Yu. Quercetin isolated from <i>Hedysarum neglectum</i> Ledeb. as a preventer of metabolic diseases	192
Abdolmaleki Farzaneh, Rezaei Mokarram Reza, Daneshniya Milad, Maleki Mohammad Hossein Iranian grape syrup used as a prebiotic and its effect on the physicochemical, microbiological, and sensory properties of probiotic yogurt	202