

CONTENTS

Przemysław Marciniak, Dariusz Sochacki, Karolina Nowakowska

Karrikins – effect on plants, interaction with other growth regulators, and potential use in horticulture3

Yichen Wang, Xiuyun Yang, Xiaogang Wu, Shuhui Du, Meiling Han

The temporal changes of pigments content and key enzyme activities during autumnal turning period of *Pistacia chinensis bunge*17

Magdalena Śmigala-Lasota, Kinga Dziurka, Agnieszka Dąbrowska, Krystyna Winiarczyk

Development of the male and female gametophyte, fertilization, and assessment of germination and regulation of dormancy in *Iris aphylla* L. seeds 29

Katarzyna Wójcik, Krzysztof Klamkowski, Waldemar Treder, Anna Tryngiel-Gać, Agnieszka Masny

The influence of chilling hours on root starch content, growth and yield of strawberry tray plants41

Agata Konarska

Localisation of active substances in *Hedera helix* leaves and *Linaria vulgaris* shoots used in pharmaceutical and cosmetic industry 53

Boris Adamović, Ranko Cabilovski, Đorđe Vojnović, Žarko Ilin

Effect of mulching on nutrient uptake and efficiency of fertilizers in mid-early cabbage production69

Marzena Błażewicz-Woźniak

The impact of selected agrotechnical treatments on the growth of wild garlic (*Allium ursinum* L.) leaves in field cultivation81

Renata Wojciechowska, Anna Dąbrowa, Anna Kolton

How monochromatic and composed light affect the kale ‘Scarlet’ in its initial growth stage93