

CONTENTS

R. Skuodienė, J. Aleinikovienė, D. Tomchuk, G. Šiaudinis. Impact of sward formation on soil organic carbon variation and relations with soil microbial activity	195
L. Belyavskaya, Y. Belyavskiy, M. Kulyk, A. Taranenko, S. Didovich. Soybean growing under inoculation by <i>Bradyrhizobium japonicum</i> strains in the Forest-steppe and Steppe zones of Ukraine	203
G. Staugaitis, K. Poškus, Z. Brazienė, D. Avižienytė. Effect of sulphur and nitrogen fertilisation on winter wheat in <i>Calcaric Luvisol</i>	211
S. Ilin, B. Jocković, M. Mirosavljević, V. Momčilović, V. Aćin, D. Živančev, S. Mikić, L. Brbaklić. The performance of the genetic gain and breeding progress of historical winter wheat cultivars set in the period from 1930 to 2013 in South-eastern Europe	219
I. Motsnyi, M. Lytvynenko, E. Golub, T. Nargan, M. Nakonechnyy, S. Lyfenko, O. Molodchenkova, Y. Fanin, I. Mishchenko, A. Smertenko, L. Mishchenko. Disease resistance and adaptation of winter wheat lines derived from wide hybridisation under arid environments	227
N. Daskalova, S. Doneva, Y. Stanoeva, P. Spetsov. Characterisation of synthetic hexaploid wheat (BBA ^u A ^u A ^m A ^m) and its potential use in wheat breeding	237
M. Nemati, N. Zare, N. Hedayat-Evrigh, R. Asghari. Meta-analysis of common wheat physiological response to biotic stresses	245
D. Szabó, É. N. Zámboriné, M. A. Falade, P. Radácsi, K. Inotai, Z. Pluhár. Effect of water deficit on growth and concentration of secondary metabolites of <i>Thymus vulgaris</i>	251
L. Jocienė, E. Krokaitė, T. Rekašius, A. Paulauskas, E. Kupčinskienė. Evaluation of genetic diversity of Himalayan balsam (<i>Impatiens glandulifera</i> Royle) populations using microsatellites	259
O. Ivashchenko, J. Makukh, S. Remeniuk, S. Moshkivska, V. Riznyk, O. Auškálnienė, G. Kadžienė. Non-chemical control methods of Sosnowsky's hogweed (<i>Heracleum sosnovskyi</i> Manden.)	269
A. Shatkovskiy, V. Vasiuta, O. Zhuravlev, F. Melnychuk, M. Kochiieru, Y. Kochieru, K. Shatkovska. Dependence of apple productivity and fruit quality on the method of drip irrigation terms appointment	277
SHORT COMMUNICATION	
Y. W. Khoo, S. Li, K. P. Chong. Development of rapid DNA extraction and PCR amplification methods for fungi and parasitic plants	283