

# PLANT, SOIL AND ENVIRONMENT

---

Volume 64, No. 12

## CONTENTS

Chen Y.L., Liu J.T., Liu S.T.: Effect of long-term mineral fertilizer application on soil enzyme activities and bacterial community composition .....	571
Balík J., Černý J., Kulhánek M., Sedlář O.: Soil carbon transformation in long-term field experiments with different fertilization treatments .....	578
Koukolíček J., Herout M., Pulkrábek J., Pazderů K.: Influence of soil conservation practices on legume crops growth .....	587
Pszczółkowska A., Okorski A., Olszewski J., Fordoński G., Krzebietke S., Chareńska A.: Effects of pre-preceding leguminous crops on yield and chemical composition of winter wheat grain .....	592
Oo A.Z., Gonai T., Sudo S., Win K.T., Shibata A.: Surface application of fertilizers and residue biochar on N <sub>2</sub> O emission from Japanese pear orchard soil .....	597
Hamouz K., Bečka D., Capouchová I.: Ascorbic acid content in potato tubers with coloured flesh as affected by genotype, environment and storage .....	605
Jin F., Ran C., Anwari Q.A., Geng Y.Q., Guo L.Y., Li J.B., Han D., Zhang X.Q., Liu X., Shao X.W.: Effects of biochar on sodium ion accumulation, yield and quality of rice in saline-sodic soil of the west of Songnen plain, northeast China .....	612
Mühlbachová G., Čermák P., Káš M., Marková K., Vavera R., Pechová M., Lošák T.: Crop yields, boron availability and uptake in relation to phosphorus supply in a field experiment .....	619
Procházka P., Štranc P., Pazderů K., Vostřel J., Řehoř J.: Use of biologically active substances in hops .....	626
Index of volume 64 .....	I
List of reviewers .....	VII