

# PLANT, SOIL AND ENVIRONMENT

---

Volume 62, No. 3

March 2016

## CONTENTS

- Wojciechowski W., Zawieja J., Lehmann A., Sekutowski T.R.:  
The effect of catch crops cultivated in accordance with the agri-environment scheme  
on weed infestation of spring wheat stand ..... 99
- Hlisnikovský L., Kunzová E., Menšík L.:  
Winter wheat: results of long-term fertilizer experiment in Prague-Ruzyně  
over the last 60 years ..... 105
- Barányiová I., Klem K.:  
Effect of application of growth regulators on the physiological and yield parameters  
of winter wheat under water deficit ..... 114
- Marcolini G., Toselli M., Quartieri M., Gioacchini P., Baldi E., Sorrenti G., Mariani S.:  
Nitrogen and carbon mineralisation of different Meliaceae derivatives ..... 121
- Zhao J.C., Su W.H., Fan S.H., Cai C.J., Zhu X.W., Peng C., Tang X.L.:  
Effects of various fertilization depths on ammonia volatilization  
in Moso bamboo (*Phyllostachys edulis*) forests ..... 128
- Szulc P., Waligóra H., Michalski T., Rybus-Zajac M., Olejarski P.:  
Efficiency of nitrogen fertilization based on the fertilizer application method  
and type of maize cultivar (*Zea mays* L.) ..... 135
- Burak Batir M., Candan F., Büyük İ.:  
Determination of the DNA changes in the artichoke seedlings (*Cynara scolymus* L.)  
subjected to lead and copper stresses ..... 143