

CONTENTS

- Soil chemistry**
- 225 Quantifying the relative importance of soil moisture, nitrogen, and temperature on the urea hydrolysis rate
Tao Lei, Xi-huan Sun, Xiang-hong Guo and Juan-juan Ma
- Soil biology**
- 233 Isolation and characterization of a novel silicate-solubilizing bacterial strain *Burkholderia eburnea* CS4-2 that promotes growth of japonica rice (*Oryza sativa* L. cv. Dongjin)
Sang-Mo Kang, Muhammad Waqas, Raheem Shahzad, Young-Hyun You, Sajjad Asaf, Muhammad Aaqil Khan, Ko-Eun Lee, Gil-Jae Joo, Sang-Jun Kim and In-Jung Lee
- 242 Enzymatic activity and stabilization of organic matter in soil with different detritus inputs
Ewa Błońska, Jarosław Lasota and Piotr Gruba
- Plant nutrition**
- 248 Efficacy of starter N fertilizer and rhizobia inoculant in dry pea (*Pisum sativum* Linn.) production in a semi-arid temperate environment
Jinwen Huang, Reza Keshavarz Afshar, Aifen Tao and Chengci Chen
- 254 Uptake and utilization of applied phosphorus in oilseed rape (*Brassica napus* L. cv. Hayola) plants at vegetative and reproductive stages: Comparison of root with foliar phosphorus application
Soodabeh Bastani and Roghieh Hajiboland
- 264 Effects of salt stress on plant growth characteristics and mineral content in diverse rice genotypes
Thieu Thi Phong Thu, Hideshi Yasui and Takeo Yamakawa
- Soil fertility**
- 274 Practices sustaining soil organic matter and rice yield in a tropical monsoon region
Noppol Arunrat, Nathsuda Pumijumnong and Ryusuke Hatano
- 288 Soil nitrogen dynamics under different quality and application methods of crop residues in maize croplands with contrasting soil textures in Tanzania
Tomohiro Nishigaki, Soh Sugihara, Method Kilasara and Shinya Funakawa
- Environment**
- 300 Effect of the long-term application of anaerobically digested residual slurry on methane emissions in a rice paddy field
Takashi S. T. Tanaka, Yoshiro Nitta, Kaoru Kido, Tomohiro Nishikawa, Toru Matoh and Tatsuya Inamura
- Soil genesis, classification and survey**
- 306 Nitrogen flux patterns through Oxisols and Ultisols in tropical forests of Cameroon, Central Africa
Makoto Shibata, Soh Sugihara, Antoine David Mvondo-Ze, Shigeru Araki and Shinya Funakawa
- Abstracts**
- 318 Abstracts of Nippon Dojo-Hiryogaku Zasshi