# **Contents**

## Vol. 52 No. 2 2018

#### **REVIEWS**

#### **Crop Science**

91 Genetic Dissection of Agronomic Traits in Introgression Lines and Improvement of an Elite *Indica* Rice Variety

Daisuke FUJITA, Yohei KOIDE & Nobuya KOBAYASHI

## **Agricultural Environment**

Authenticity of the Geographical Origin and Production
 Methods of Agricultural Products
 Application of Element Composition and Stable

Akimasa NAKANO & Tiejun ZHAO

## **Agricultural Engineering**

Isotope Analyses -

115 Agricultural Product Authenticity and Geographical
Origin Traceability

- Use of Nondestructive Measurement -

Tiejun ZHAO & Akimasa NAKANO

#### **Animal Husbandry**

123 Effect of Pasture Intake on the Profile of Volatile Organic Compounds in Dairy Cow Milk

Yasuko UEDA

## **Information Technology**

Development and Diffusion Strategies of Agricultural Production History Management Systems

Atsushi ITOH

#### **Biomass Utikization**

137 Selection and Development of Stress-tolerant Yeasts for Bioethanol Production

Toshihide NAKAMURA & Jun SHIMA

#### **ARTICLES**

#### Horticulture

143 Comparison of the Chemical Components of Powdered Green Tea Sold in the US

Hideki HORIE, Kaori EMA, Hiroshi NISHIKAWA & Yoriyuki NAKAMURA

## **Animal Husbandry**

 Nucleotide Sequences of Porcine α1 and α2 Chains of Type I Collagen cDNA and Their Different Expression Levels in Tissues

Satoshi YANAI, Toshimi MATSUMOTO, Etsumori HARADA & Eiji KOBAYASHI

# **Contents**

- 155 An Estimation for Total Digestible Nutrients in Fresh Herbage from a Perennial Ryegrass – White Clover Mixed Pasture
- 163 Effects of Grazing or Exercise in the Middle of the Fattening Period on the Growth and Carcass Traits of Japanese Shorthorn Steers

# Vol. 52 No. 2 2018

Miwa NAKANO, Kazuhiro MATOBA & Yasuko TOGAMURA

Mikito HIGUCHI, Nobuya SHIBA, Mai IMANARI, Miharu YONAJ & Akira WATANABE