

Contents

Vol. 46 No. 1 2012

REVIEWS

Biotechnology

- 1 Genomic Analysis of *Koji* Mold *Aspergillus oryzae* and Investigation of Novel Peptidases by Post-genomic Approach

Ken-Ichi KUSUMOTO

Agricultural Environment

- 7 Overview of Recent Effects of Global Warming on Agricultural Production in Japan

Toshihiko SUGIURA,
Hirokazu SUMIDA,
Shigeki YOKOYAMA &
Hiroshi ONO

Horticulture

- 15 Development and Implementation of an Environmentally Conscious System for Producing Cruciferous Vegetables by Small Farms in a Hilly and Mountainous Area of Western Japan

Manabu HAGIMORI,
Koukichi NAGASAKA,
Kazushi OJIMA,
Jun-ichiro ABE,
Teruaki SHIMAZU,
Hiroshi HAMAMOTO,
Tadashi KAMENO &
Hiroshi KUMAKURA

Animal Husbandry

- 27 Central Regulation of Stress Response in Cattle
- 35 Rat Damage Control to Round-Baled Silage by Modifying Storage Layout

Ken-ichi YAYOU

Hidenori KAWAMOTO,
Hiroyuki SEKIYA,
Akinori OSHIBE,
Tokushi KOMATSU,
Naoki FUKUJYU &
Takuya SHIMADA

Biomass Utilization

- 41 A Review of Life Cycle Assessment (LCA) of Bioethanol from Lignocellulosic Biomass

Poritosh ROY,
Ken TOKUYASU,
Takahiro ORIKASA,
Nobutaka NAKAMURA &
Takeo SHIINA

ARTICLES

Crop Production

- 59 Occurrence of Insect Pests in a Tomato Field under a Pesticide-free Dry Season Water-saving Cultivation in Northeast Thailand

Masato ODA,
Yupa HANBOONSONG,
Tasanee JAMJANYA,
Kasem SRICHOMPOO &
Toyomi KOTAKI

Contents

Vol. 46 No. 1 2012

Agricultural Environment

- 65 Aggregation Ability of Virus-Specific Antibodies is Correlated with their Capacity to Neutralize *Rice dwarf virus*
Hongyan CHEN,
Taiyun WEI,
Ai SAOTOME,
Kengo SAKAGUCHI,
Yasuo SHIKAMOTO,
Hiroshi MIZUNO,
Fusamichi AKITA,
Takumi SHIMIZU,
Tamaki UEHARA-ICHIKI &
Toshihiro OMURA
- 73 Experimental Study on Sample Size for Laboratory Calibration Tests of Commercial Dielectric Soil Water Sensors
Shinji SUZUKI,
Tomoyoshi HIROTA &
Yukiyoshi IWATA

Food Technology

- 81 Antioxidant Potential of Green and Black Teas of Selected South India Cultivars
Yuko TAKANO-ISHIKAWA,
Jun WATANABE,
Masao GOTO,
Lingamallu Jagan Mohan RAO &
Kulathooran RAMALAKSHMI
- 89 Degradation of Wheat Epitope Peptides for Atopic Dermatitis and Exercise-Induced Anaphylaxis by Microbial Proteases
Shigeru OITA

Horticulture

- 95 Spectral Sensitivity of the Extension Growth of Tulips Grown with Night Lighting under a Natural Photoperiod
Katsuhiko SUMITOMO,
Toshiaki TSUJI,
Atsuko YAMAGATA,
Masaki ISHIWATA,
Makoto YAMADA,
Koji SHIMA &
Tamotsu HISAMATSU

Fisheries

- 105 Molecular Cloning and Expression Analysis of cDNAs Encoding an Insulin-like Androgenic Gland Factor from Three Palaemonid Species, *Macrobrachium lar*, *Palaemon paucidens* and *P. pacificus*
Kota BANZAI,
Susumu IZUMI &
Tsuyoshi OHIRA