

CONTENTS

AGRICULTURAL ENTOMOLOGY

- Snowdrop Lectin (GNA) Affects Growth and Development of *Spodoptera exigua* (Hubner).
M. Naghdi, and A. R. Bandani 469

AGRICULTURAL EXTENSION AND EDUCATION

- Agricultural Climate Information Use: An Application of the Planned Behaviour Theory.
M. Sharifzadeh, Gh. H. Zamani, D. Khalili, and E. Karami 479

- Investigating the Researchers' Attitude and the Obstacle Hampering Nanotechnology Development in the Agricultural Sector of Iran.
R. Maghabl, M. Chizari, S. M. Khayyam- Nekouei, and M. Tabatabaei 493

AGRICULTURAL MACHINERY

- A Study on the Seed Susceptibility of Wheat (*Triticum aestivum* L.) Cultivars to Impact Damage.
F. Shahbazi 505

- Applying Artificial Neural Network for Drying Time Prediction of Green Pea in a Microwave Assisted Fluidized Bed Dryer.
L. Momenzadeh, A. Zomorodian, and D. Mowla 513

- Effective Moisture Diffusivity, Activation Energy, and Energy Consumption in Thin-layer Drying of Jujube (*Zizyphus jujube* Mill).
A. Motevali, A. Abbaszadeh, S. Minaei, M. H. Khoshtaghaza, and B. Ghobadian 523

ANIMAL SCIENCE

- Allelic Polymorphism of Makoei Sheep Calpastatin Gene Identified by Polymerase Chain Reaction and Single Strand Conformation Polymorphism.
M. Ranjbari, A. Hashemi, K. Mardani, and R. Darvishzadeh 533

- Counteracting Effect of High Grade Sodium Bentonite during Aflatoxicosis in Broilers.
M. Manafi 539

- Inbreeding and Inbreeding Depression in Iranian Moghani Sheep Breed.
M. Dorostkar, H. Faraji Arough, J. Shodja, S. A. Rafat, M. Rokouei, and H. Esfandyari 549

FOOD SCIENCE

- Dissipation of Imidacloprid in Greenhouse Cucumbers at Single and Double Dosages Spraying.
N. Hassanzadeh, A. Esmaili Sari, and N. Bahramifar 557

- Evaluation and Characterization of Vacuum Drying of Date Paste.
Z. Ashraf, Z. Hamidi-Esfahani, and M. A. Sahari 565

FOOD SCIENCE

Physicochemical Properties and Stability of Oil Extracted from Three Canola Cultivars Grown in Golestan Province of Iran.
Z. Beig mohammadi, Y. Maghsoudlou, H. Safafar, and A. R. Sadeghi Mahoonak **577**

Vacuum Drying Characteristics of *Salicornia herbacea* L.
J. H. Lee, H. J. Kim, and J. W. Rhim **587**

HORTICULTURAL SCIENCE

Postharvest Quality of 'Galaxy' Apple Fruit in Response to Kaolin-Based Particle Film Application.
M. Ergun **599**

PLANT BREEDING

Generation Mean Analysis for Grain Yield and Its Related Traits in Lentil.
M. Khodambashi, N. Bitaraf, and S. Hoshmand **609**

Genetic Studies in Upland Cotton (*Gossypium hirsutum* L.) II. General and Specific Combining Ability.
J. R. Méndez-Natera, A. Rondón, J. Hernández, and J. Fernando Merazo-Pinto **617**

Identification of AFLP Marker Associated with Stress Tolerance Index in Sardari Wheat Ecotypes.
A. Siosemardeh, Z. Osmani, B. Bahramnejad, Kh. Vahabi, and E. Roohi **629**

Targeting Promising Bread Wheat (*Triticum aestivum* L.) Lines for Cold Climate Growing Environments Using AMMI and SREG GGE Biplot Analyses.
J. Ahmadi, A. Mohammadi, and T. Najafi Mirak **645**

PLANT PATHOLOGY

Medicinal Plants Extracts as Source of Antifungal Agents against *Fusarium oxysporum* f. sp. *Albedinis*.
N. Boulenouar, A. Marouf, A. Cheriti, and N. Belboukhari **659**

SOIL SCIENCE

Mulching and Cover Crops Effects on the Soil and Rhizosphere-associated Bacterial Communities in Field Experiment.
E. P. B. Ferreira, and C. C. G. Martin-Didonet **671**

Soil Genesis and Clay Mineralogy Along the Xeric-aridic Climotoposequence in South Central Iran.
M. Moazallahi, and M. H. Farpoor **683**