

CONTENTS

AGRICULTURAL ECONOMICS, EXTENSION AND RURAL DEVELOPMENT

- Efficiency Analysis of Paper Mill Using Data Envelopment Analysis Models (Case Study: Mazandaran Wood and Paper Company in Iran).
M. Zadmirzaei, S. Mohammadi Limaee, and A. Amirteimoori 1381
- Strategic Potential of the Vermicompost Agribusiness in Iran: A SWOT Analysis.
K. Zarafshani, M. Sahraee, and M. M. Helms 1393
- Assessment of Agricultural Farming Systems Sustainability in Hamedan Province Using Ecological Footprint Analysis (Case Study: Irrigated Wheat).
K. Naderi Mahdei, A. Bahrami, M. Aazami, and M. Sheklabadi 1409
- Determinants of Sustainable Irrigated and Rainfed Rice Farming in Bangladesh.
R. Roy, and N. W. Chan 1421
- Determinants of the Transfer of Sustainability Learning in Agricultural Sector of Iran.
P. Ataee, and N. Zamani 1437
- Farmers' Demand for Extra Yield from Improved Tef [(*Eragrostis tef* (Zucc.) Trotter] Varieties in Ethiopia: Implications for Crop Improvement and Agricultural Extension.
E. Wale, and J. N. Chianu 1449
- Measurement and Comparison of Different Dimensions of Sustainable Coastal Fishing Management in Beach Seine Cooperatives in Guilan.
Sh., Choobchian, Kh. Kalantari, A. Asadi, and S. A. Taghavi Motlagh 1463
- ## BIOSYSTEMS AND FOOD SCIENCE
- Antioxidant Activity of Purslane (*Portulaca oleracea* L.) Seed Hydro-alcoholic Extract on the Stability of Soybean Oil.
S. R. Jalali Mousavi, R. Niazmand, and M. Shahidi Noghabi 1473
- Characterization of Structure and Cellular Immunity Bioactivity of Milk-Derived Galactooligosacchrides Prepared by *Lactobacillus delbrueckii subsp. bulgaricus* Fermentation.
X. Liu, J. H. Wu, Y. Gao, Y. Wu, L. Qian, and Zh. Wang 1481
- Effect of Soapwort Root Extract and Glycyrrhizin on Consumer Acceptance, Texture, and Oil Separation of Pistachio Halva.
A. Shakerardekani, and M. Shahedi 1495
- ## PLANT SCIENCE
- Cold-Storage of *Piezodorus guildinii* (Hemiptera: Pentatomidae) Eggs for Rearing *Telenomus podisi* (Hymenoptera: Platygasteridae).
M. Fernanda Cingolani, N. M. Greco, and G. G. Liljesthröm 1507

PLANT SCIENCE

- Effect of Nitrogen Fertilizer on Biological Parameters of the *Aphis craccivora* (Hemiptera: Aphidiae) and Associated Productivity Losses in Common Globe Amaranth.**
A. Hosseini, M. Hosseini, M. Goldani, J. Karimi, and H. Madadi **1517**
- Population Variation of a Specialist versus a Generalist Aphid Sharing the Same Host Plant in Field.**
M. R. Nematollahi, Y. Fathipour, A. A. Talebi, J. Karimzadeh, and M. P. Zalucki **1529**
- Use of Tank-mix Adjuvants to Improve Effectiveness and Persistence of Chlorpyrifos and Cyhalothrin Formulations.**
S. A. M. Abdelgaleil, N. F. Abdel-Aziz, E. A. Sammour, A. M. El-Bakry, and S. M. I. Kassem **1539**
- Using Bee Attractants to Improve Honeybee Foraging on Dangshan Pear (*Pyrus communis* L.).**
W. H. Ma, Y. Q. Shao, H. T. Zhao, S. H. Tian, J. Meng, S. S. Yang, Y. L. Du, and Y. S. Jiang **1551**
- Response of Wheat to Seed Dressing with Humus and Foliar Potassium Fertilization.**
T. Knapowski, M. Szczepanek, E. Wilczewski, and J. Pohoreźny **1559**
- Winter Wheat Yield and Soil Properties Response to Long-term Non-inversion Tillage.**
I. Małacka, A. Blecharczyk, Z. Sawinska, D. Swędrzyńska, and T. Piechota **1571**
- Effect of Kaolin Application on Growth, Water Use Efficiency, and Leaf Epidermis Characteristics of *Physalis peruviana* L. Seedlings under Two Irrigation Regimes.**
S. Segura-Monroy, A. Uribe-Vallejo, A. Ramirez-Godoy, and H. Restrepo-Diaz **1585**
- In vitro* Propagation of Caprifig and Female Fig Varieties (*Ficus carica* L.) from Shoot-tips.**
Ch. Bayoudh, R. Labidi, A. Majdoub, and M. Mars **1597**
- An Efficient Micropropagation System for *Morinda officinalis* How. (Rubiaceae), an Endangered Medicinal Plant.**
Zh. Ch. Deng, H. Jin, and H. He **1609**
- Effects of Different Storage Temperatures and Times on Germination and Antioxidant Responses of *Jatropha curcas* L. Seeds.**
S. Gao, R. Yan, and F. Chen **1619**
- Heat-shock Protein Synthesis Study by Micro-chip.**
S. Tahmasebi Enferadi **1629**
- Molecular Cloning and Characterization of a *Cyclotide* Gene Family in *Viola modesta* Fenzl.**
N. Kodari, B. Bahramnejad, J. Rostamzadeh, H. Maroofi, and S. Torkaman **1637**