

LUCRĂRILOR ȘTIINȚIFICE PUBLICATE

LIST OF PUBLISHED SCIENTIFIC PAPERS

1. Gheorghiuoiaie M.V., Bodale I., **Achiței V.**, Teliban G.C., Cojocaru A., Caruso G., Mihalache G., și Stoleru V. 2022 - *Potential of Continuous Electric Current on Biometrical, Physiological and Quality Characteristics of Organic Tomato*. Applied Science, 2022, vol. 12(9), p. 4211.
2. Bodale I., Mihalache G., **Achiței V.**, Teliban G. C., Cazacu A., Stoleru V., 2020 - *Evaluation of the Ions Uptake by Tomato Plants in Different Phenological Stages*, Agriculture 2021, 11(4), p. 292.
3. **Achiței V.**, Stoleru V., Cojocaru Al., Teliban G., Pereș Cătălina, Mihalache Gabriela, Bodale I. (p.47), 2020 - *Use of tomato plants as a biosensor in greenhouse fertigation systems*, International Scientific Congress "Life sciences, a challenge for the future", Engineering and Environmental Protection Section, 22-23 October 2020, Iasi – Romania.
4. Gheorghiuoiaie M.V., **Achiței V.**, Teliban G.C., Stoleru V. *Optimization of tomato cultivation technology under greenhouse through the use of continuous electric current*. Scientific Papers. Series B. Horticulture, Vol. LXIV, No. 1, 2020 p. 379-383.
5. Mihalache G., Pereș C.I., Bodale I., **Achiței V.**, Gheorghiuoiaie M.V., Teliban G.C., Cojocaru A., Butnariu M., Muraru V. și Stoleru V. 2020. *Tomato Crop Performances under Chemical Nutrients Monitored by Electric Signal*. Agronomy 2020, vol. 10(12), p. 1915.
6. **Achiței V.**, Bodale I., Gheorghiuoiaie M.V., Cazacu A., Teliban G.C., Cojocaru A., Stoleru V. *Possibility of using tomato plants as biosensor in the fertilization systems. Posibilitatea utilizării plantelor de tomate ca biosenzor în sistemele de fertilizare*. Lucrări științifice seria Horticultură, 62 (2) / 2019, USAMV IAȘI p. 25-28.
7. Bodale I., Cazacu A., Mihalache G., Pereș C., Teliban G.C., Cojocaru A., **Achiței V.**, Gheorghiuoiaie M.V., Munteanu N., Jităreanu G., Stoleru V. (p.51), 2019 - *Evaluation of the physiological activity using the electric signal in tomato plants generated by nitrogenous nutritional elements*. International Scientific Congress "Life sciences, a challenge for the future", 17-18 October, Iasi – Romania.
8. Bodale I., Mihalache G., Cazacu A., **Achiței V.**, Gheorghiuoiaie M., V., Teliban G.C., Cojocaru A., Filipov F., Stoleru V., (pp.47), 2019 - *The electric signal measurements in tomato plants generated by the most important nutritional elements*, International Scientific Congress "Life sciences, a challenge for the future", 17-18 October, Iasi – Romania.
9. Bodale I., Vasile S., Gabriela M., Cazacu A., Peres C., Teliban G.C., **Achitei V.**, Cojocaru A., Feodor F., 2019 - *Measurements of the electric signal in tomatoes generated by the most important nutritional elements*, United Nations/Romania International Conference on Space Solutions for Sustainable Agriculture and Precision Farming - Parallel session on The 9th International Symposium Soil Minimum Tillage Systems, pp.35, 06-10 May, Cluj-Napoca – Romania.
10. Gheorghiuoiaie M.V. , **Achiței V.**, Bodale I. , Teliban G.C., Stoleru V. *Optimization of tomato cultivation technology in protected areas through the use of continuous electric current*. Lucrări științifice seria Horticultură, 62 (1) / 2019, USAMV IAȘI, p. 219-224
11. **Achiței V.**, Gheorghiuoiaie M., Teliban G.C., Cojocaru A., Stoleru V. *Preliminary results regarding the determination of the water supply of eggplants*. Lucrări științifice Vol. 61 Nr. 1 seria Horticultură editura "Ion Ionescu de la Brad" Iași 2018 p. 255-258.
12. Gheorghiuoiaie M., **Achiței V.**, Teliban G.C., Stoleru V. *Preliminary results regarding electrostimulation of the physiological rithm by using continuous electric current in pepper*

crops. Lucrări științifice Vol. 61 Nr. 1 seria Horticultură editura “Ion Ionescu de la Brad” Iași
2018 pag 259-262.

BREVET: Brevet de invenție nr. a 2020 00094 cu data de depozit 24/02/2020, cu titlul PROCEDU
ȘI INSTALAȚIE DE IRIGARE A PLANTELOR CU BIOSENZOR – autori: Stoleru V., **Achiței V.**,
Gheorghitoaie M.V., Bodale I., Muraru V.M

CARTE: Stoleru V., Țenu I., Stan T., Muraru V., Teliban G.C., Cojocaru A., Bodale I., Cazacu A.,
Mihalache G., Gheorghitoaie M.V., **Achiței V.**, Pereș C.I., 2020 - *Perspective moderne în fertirigarea
legumelor din spații protejate*. Editura „Ion Ionescu de la Brad”, Iași.

PREMI:

1. Diplomă, medalie de bronz, Stoleru V, Muneanu N., Țenu I., Stan T., Muraru V., Teliban G.C.,
Cojocaru A., Bodale I., Cazacu A., Mihalache G., Gheorghitoaie M.V., **Achiței V.**, Pereș C.I.
Perspective moderne în fertirigarea legumelor în spații protejate. Euro Invent Book Salon - mai 2021

2. Diplomă de excelență, medalie de argint, Stoleru V., **Achiței V.**, Gheorghitoaie M.V., Bodale I.,
Muraru V.M., *Procedeu și instalație de irigare a plantelor cu biosenzor/ Procedure and installation of
plant irrigation with biosensor*.
Inventica iun 2021