

# **ARTICOLE PUBLICATE ÎN CADRUL PROIECTULUI**

## **SmartAgro**

### **A. Articole în baza de date ISI (Clarivate Analitics)**

1. I. Marcu, G. Suciu, C. Balaceanu, A. Vulpe, A.M. Dragulinescu, "Arrowhead Technology for Digitalization and Automation Solution: Smart Cities and Smart Agriculture", SENSORS, Volume: 20, Issue: 5, Article Number: 1464, DOI: 10.3390/s20051464, WOS: 000525271500226, Published: MAR 2020 (IF: 3.031, Q1) (<https://www.mdpi.com/1424-8220/20/5/1464> )
2. C. Balaceanu, G Suciu, M Balanescu, A Iosif, M Dobrea, O Orza, I. Marcu, "Assessment of climate change effects on the viticulture using ADCON telemetry station", JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 21 Issue: 2 Pages: 471-480 Published: 2020 WOS: 000566784600010
3. I. Marcu, G. Suciu, C. Bălăceanu, A.-M. Drăgulinescu, M. A. Dobrea, "IoT Solution for Plant Monitoring in Smart Agriculture", 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Electronic ISBN: 978-1-7281-3330-0, Cluj-Napoca, Romania, Romania, Oct. 2019 (URL: <https://ieeexplore.ieee.org/document/8990798> ) WOS:000564733700038
4. Cristina Bălăceanu, George Suciu, Romulus Chevereșan, Marius Dobrea, Andreea Iosif, Raluca Iosu, Ioana Marcu, "Monitoring Solutions for Smart Agriculture", 11th Edition of the International Conference "Air and Water Components of the Environments", pp. 173-180, Cluj-Napoca, Romania, DOI: 10.24193/AWC2019\_17, 2019 WOS: 000564733700038
5. A.-E. Marcu, G. Suciu, E. Olteanu, D. Miu, A. Drosu, I. Marcu, "IoT System for Forest Monitoring", 42nd International Conference on Telecommunications and Signal Processing (TSP), ISBN: 978-1-7281-1864-2, 629-632, Budapest, Hungary, WOS: 000493442800138, July 2019 (URL: <https://ieeexplore.ieee.org/document/8768835> )
6. I. M. Marcu, G. Suciu, C. M. Balaceanu, A. Banaru, "IoT based System for Smart Agriculture", 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), ISBN: 978-1-7281-1624-2, Pitesti, Romania, June 2019 (URL: <https://ieeexplore.ieee.org/document/9041952> ) WOS: 000569985400006
7. G. Suciu, I. Marcu, C. Balaceanu, M. Dobrea, E. Botezat, "Efficient IoT system for Precision Agriculture", 15th International Conference on Engineering of Modern Electric

Systems (EMES), ISBN: 978-1-7281-0773-8, Pages: 173-176 Oradea, Romania, June 2019 WOS:000503434500044 (URL: <https://ieeexplore.ieee.org/document/8795102> )

8. C. M. Balaceanu, I. Marcu, G. Suciu, “Telemetry System for Smart Agriculture”, International Conference on Business Information Systems (BIS 2019: Business Information Systems Workshops), Part of the Lecture Notes in Business Information Processing book series (LNBIP, volume 373), ISBN 978-3-030-36690-2, pp 573-584, June 2019, Sevilla, Spain (URL: [https://link.springer.com/chapter/10.1007/978-3-030-36691-9\\_48](https://link.springer.com/chapter/10.1007/978-3-030-36691-9_48) ) WOS: 000611408800048
9. I. Marcu, C. Voicu, A.M.D. Drăgulescu, O. Fratu, G. Suciu, C. Bălăceanu, M.M Andronache, “Overview of IoT basic platforms for precision agriculture”, FABULOUS 2019: Future Access Enablers for Ubiquitous and Intelligent Infrastructures, Publisher: Springer, ISBN: 978-3-030-23975-6, pp 124-137, March 2019 (URL: [https://link.springer.com/chapter/10.1007/978-3-030-23976-3\\_13](https://link.springer.com/chapter/10.1007/978-3-030-23976-3_13)) WOS: 000552334400013
10. M. Vochin, A. Vulpe, I. Marcu, G. Suciu, "Low-power intelligent displaying system with indoor mobile location capability", FABULOUS 2019: Future Access Enablers for Ubiquitous and Intelligent Infrastructures, Publisher: Springer, ISBN: 978-3-030-23975-6, pp 146-153, March 2019 (URL: [https://link.springer.com/chapter/10.1007/978-3-030-23976-3\\_15](https://link.springer.com/chapter/10.1007/978-3-030-23976-3_15) ) WOS: 000552334400015
11. G. Suciu Jr., H. Ijaz, I. Zatreanu, A.-M. Drăgulescu, “Real Time Analysis of Weather Parameters and Smart Agriculture Using IoT”, FABULOUS 2019: Future Access Enablers for Ubiquitous and Intelligent Infrastructures, Publisher: Springer, ISBN: 978-3-030-23975-6, pp 181-194, March 2019 (URL: [https://link.springer.com/chapter/10.1007/978-3-030-23976-3\\_18](https://link.springer.com/chapter/10.1007/978-3-030-23976-3_18) ) WOS: 000552334400018

## **B. Articole în baze de date BDI**

1. I. Marcu, A.-M. Drăgulescu, C. Florea, C Bălăceanu, M. A. Dobrea, G. Suciu, “Agricultural Data Fusion for SmartAgro Telemetry System”, Advances in Science, Technology and Engineering Systems Journal Vol. 5, No. 5, 1266-1272 (2020) (Open Access journal) (URL: [https://www.astesj.com/publications/ASTESJ\\_0505152.pdf](https://www.astesj.com/publications/ASTESJ_0505152.pdf) )
2. Cristina Bălăceanu, George Suciu, Ioana Marcu, “Libelium-based IoT Monitoring Solution for Precision Agriculture”, Journal of E – Technology, open access journal, Volume: 10, Issue: 1, Feb. 2019 (URL: [https://www.dline.info/jet/fulltext/v10n1/jetv10n1\\_1.pdf](https://www.dline.info/jet/fulltext/v10n1/jetv10n1_1.pdf) )