

# Lista lucrărilor publicate în 2019-2020

d.h.s.t. Valentin Oleşciuk

## *LUCRĂRI CARE FAC ELIGIBILĂ PARTICIPAREA LA CONCURS:*

### *Articole în reviste WoS sau în reviste SCOPUS*

1. **OLESCHUK, V., ERMURATSKII, V.,** TWO-INVERTER-BASED PHOTOVOLTAIC INSTALLATION ADJUSTED BY THE MODIFIED SCHEME OF SPACE-VECTOR MODULATION. ISSN 1607-7970. Technical Electrodynamics. 2020. No. 5, pp. 26-30 (SCOPUS).
2. **OLESCHUK, V., ERMURATSKII, V.,** Synchronous Balanced Regulation of Multiphase System on the Base of Modulated Diode-Clamped Inverters. ISSN 1607-7970. Technical Electrodynamics. 2019. No. 5, pp. 27-35 (SCOPUS).
3. **OLESCHUK, V., ERMURATSKII, V.** Power Balanced Adjustment of Quad-Inverter Installation with Modified Discontinuous PWM. PROBLEMELE ENERGETICII REGIONALE, ISSN 1857- 0070, NO. 1-3 (42), pp. 35-42, 2019.
4. **OLESCHUK, V.** Synchronous PWM Regulation of Inverters of Drive Installation with Two Stator Windings of Electrical Motor. PROBLEMELE ENERGETICII REGIONALE, ISSN 1857-0070, NO. 4 (48), pp. 1-10, 2020.

## *II. ALTE LUCRĂRI ŞI ACTE CARE ÎN OPINIA PARTICIPANTULUI LA CONCURS POT CONTRIBUI LA EVALUAREA DOSARULUI*

### **Articole in reviste internaţionale:**

5. **OLESCHUK, V., ERMURATSKII, V.** DOUBLE-DELTA-WINDING SYSTEM WITH NEUTRAL-POINT-CLAMPED CONVERTERS CONTROLLED BY SYNCHRONOUS MULTI-ZONE PWM. THE PROCEEDINGS OF THE INSTITUTE OF ELECTRODYNAMICS OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE, ISSN 1727-9895, issue 56, pp.59-63, 2020.

### **Articole in culegeri internaţionale:**

6. **OLESCHUK, V., ERMURATSKII, V., BARRERO, F.** Synchronous Balanced Control of Dual Split Phase Drive Topology with PWM Diode-Clamped Inverters. In IEEE Proceedings; Ukrainian Conf. on Electrical and Computing Engineering (UKRCON-2019). pp. 375-381.
7. **OLESCHUK, V., ERMURATSKII, V.,** Open-End Winding Multiphase Installation Regulated by Modified Techniques of Space-Vector PWM. In IEEE Proceedings; Ukrainian Conf. on Electrical and Computing Engineering (UKRCON-2019). pp. 299-304.
8. **OLESCHUK, V., ERMURATSKII, V., BARRERO, F.** Multilevel Installation based on Diode-Clamped Inverters Controlled by Synchronous Multi-Zone PWM. In IEEE Proceedings: Int'l Conf. on Electromechanical and Energy Systems (SIELMEN'2019), pp. 158-165.

9. **OLESCHUK, V.**, ERMURATSKII, Review of Methods and Techniques of Space-Vector PWM for Dual and Triple Inverters of PV Systems. In IEEE Proceedings: Int'l Conf. on Electromechanical and Energy Systems (SIELMEN'2019), pp. 205-212.
10. **OLESCHUK, V.**, ERMURATSKII, V. Alternative Methods of Synchronous Space-Vector PWM for Transport-Oriented Converters and Drives. In IEEE Proceedings: International Conference on Electrical Drives & Power Electronics (EDPE-2019), pp. 379-334.
11. **OLESCHUK, V.**, ERMURATSKII, V. Synchronous Adjustment of Modular Converter Based on Diode-Clamped Inverters with Multi-Zone PWM. In IEEE Proceedings: International Conference on Electrical Drives & Power Electronics (EDPE-2019), pp. 327-384.
12. **OLESCHUK, V.**, ERMURATSKII, VASILIEV, I. Review of Overmodulation Control Techniques of Drive Inverters with Synchronous Space-Vector PWM, In IEEE Proceedings: 15th International Conference on DEVELOPMENT AND APPLICATION SYSTEMS (DAS-2020), pp. 98-105.
13. **OLESCHUK, V.**, TIRSU, M., GALBURA, V., VASILIEV, I. Transformer-Based PV System with Modified Techniques of PWM of Diode-Clamped Inverters. In IEEE Proceedings: 15th International Conference on DEVELOPMENT AND APPLICATION SYSTEMS (DAS-2020), pp. 106-111.
14. **OLESCHUK, V.**, ERMURATSKII, V. Novel Methods, Schemes and Techniques of Synchronous Modulation for Control of Transport Power Conversion Systems: An Overview. In IEEE Proceedings: Electric Vehicles International Conference (EV-2019). 6 pp.
15. **OLESCHUK, V.**, ERMURATSKII, V. PWM Switching Strategy of Three-Phase Inverters for Synchronous Control of Double-Delta-Winding System. In IEEE Proceedings: Int. conf. KhPI Week on Advanced Technology (KhPIWeek-2020), pp. 268-272.
16. **OLESCHUK, V.**, VASILEVI, I. Motor Drive System with Double-Delta-Sourced Stator Winding and Two Modulated NPC Converters. In IEEE Proceedings: Int. conf. KhPI Week on Advanced Technology (KhPIWeek-2020), pp. 357-362.

**Articole in culegeri naționale:**

17. **ОЛЕЩУК, В.** Синхронно-регулируемый Многоуровневый преобразователь на базе ШИМ-инверторов с отсекающими диодами. В сб.: Энергетическая Безопасность и управляемые элетропередачи, ISBN 978-9975-4472-7-0, Chişinau, CEP USM, 4 стр., 2020.

Certifică Lista lucrărilor publicate în 2019-2020 al d.h.s.t. V. Oleşciuk

Secretar științific al Institutului de Energetică

**Dr. Igor Clesnic** \_\_\_\_\_