

Lista de lucrări publicate

Lucrări științifice cotate ISI

1. **Dusa Alexandru**, Balanuta Ciprian Daniel, Gurguiatu Gelu, ”Reactive power compensation for a PV park connected at a long distance”, THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, 18-20 octombrie 2019, DOI: 10.1109/ISIEEE48094.2019.9136104, <https://ieeexplore.ieee.org/document/9136104>.
2. Balanuta Ciprian Daniel, **Dusa Alexandru**, Gurguiatu Gelu, Luca Laurentiu, ”Reactive power compensation for consumers connected at long-distances”, THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, 18-20 octombrie 2019, DOI: 10.1109/ISIEEE48094.2019.9136108, <https://ieeexplore.ieee.org/document/9136108>.
3. Gelu Gurguiatu, Ciprian Daniel Bălănuță, **Alexandru Dușa**, Emil Mina Roșu, Ion Voncilă, Mariana Dumitrescu, Alexandra Anton, ”Active Power Filter Control Strategy Choosing by M-Tool Application”, THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, 18-20 octombrie 2019, DOI: 10.1109/ISIEEE48094.2019.9136154, <https://ieeexplore.ieee.org/document/9136154>.
4. **Dusa Alexandru**, Petru Livinti, Daniel Ciprian Balanuta, Gelu Gurguiatu, ”A New Hybrid System Used to Connect PV to a Microgrid”, Digital Technologies and Applications, iunie 2021, https://doi.org/10.1007/978-3-030-73882-2_123.

Lucrări științifice cotate BDI

1. G. Gurguiatu, C. D. Bălănuță, **A. Dușa**, E. M. Roșu, T. Munteanu, ”P-tool - A Software Application for Choosing the Topology for Active Power Filters”, (pp. 31-38) - THE ANNALS OF “DUNĂREA DE JOS” UNIVERSITY OF GALATI, FASCICLE III, 2018, VOL. 41, NO.2, ISSN 2344-4738, ISSN-L 1221-454X ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS, <https://www.gup.ugal.ro/ugaljournals/index.php/eeaci/article/view/272>.
2. Ciprian Daniel Bălănuță, Gelu Gurguiatu, **Alexandru Dușa**, Emil Mina Roșu, Ion Voncilă, Constantin Drogeanu, ”L, LC and LCL Filter Choosing by C-Tool Application”, (pp. 10-14)- THE ANNALS OF “DUNĂREA DE JOS” UNIVERSITY OF GALATI FASCICLE III, 2019, VOL. 42, NO.2, ISSN 2344-4738, ISSN-L 1221-454X ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS, <https://doi.org/10.35219/eeaci.2019.2.02>.
3. Ciprian Daniel Bălănuță, Gelu Gurguiatu, **Alexandru Dușa**, Ion Voncilă, Cătălin Puiu, Daniel Necula, ”Choosing the Control and Data Acquisition System Using Daq-Tool Application”, (pp. 23-27)- THE ANNALS OF “DUNĂREA DE JOS” UNIVERSITY OF GALATI FASCICLE III, 2019, VOL. 42, NO.2, ISSN 2344-4738, ISSN-L 1221-454X

ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS,
<https://doi.org/10.35219/eeaci.2019.2.05>.

4. **Alexandru Duşa**, "Integration of photovoltaic systems in a low voltage electrical grid", (pp. 28-35)- THE ANNALS OF "DUNĂREA DE JOS" UNIVERSITY OF GALATI FASCICLE III, 2020, VOL. 43, NO.1, ISSN 2344-4738, ISSN-L 1221-454X ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS,
<https://doi.org/10.35219/eeaci.2020.1.04>.
5. **Alexandru Duşa**, Ciprian Daniel Bălănuţă, Gelu Gurguiatu, Constantin Drogeanu, "Choosing the main elements of an active power filter with FAP-tool application", (pp. 42-48)- THE ANNALS OF "DUNĂREA DE JOS" UNIVERSITY OF GALATI FASCICLE III, 2020, VOL. 43, NO.1, ISSN 2344-4738, ISSN-L 1221-454X ELECTROTECHNICS, ELECTRONICS, AUTOMATIC CONTROL, INFORMATICS,
<https://doi.org/10.35219/eeaci.2020.1.06>.
6. Nicolae Badea, **Alexandru Duşa**, Nicu Roman, "Power Quality Comparative Analysis between UPF and SAPF", Journal of Energy and Power Engineering, vol 15. pp. 117 - 127, 2021, DOI:10.17265/1934-8975/2021.04.001,
<https://www.davidpublisher.com/index.php/Home/Article/index?id=45864.html>
7. **Alexandru Duşa**, Petru Livinti, Nicolae Badea, Laurentiu Luca, "Comparative Analysis of the Methods Used for Active Power Filtering in a Grid-Connected Photovoltaic System", Journal of Energy and Power Engineering, vol 15. pp. 135 - 149, 2021, DOI:10.17265/1934-8975/2021.04.003,
<https://www.davidpublisher.com/index.php/Home/Article/index?id=45866.html>.
8. **Alexandru Duşa**, Emil Roşu, Silviu Epure, Răzvan Şolea, Marian Găiceanu, Arsene Liviu Sorin, "Improving the power quality using the Active Power Filter. Experimental results", 2021 7th International Symposium on Electrical and Electronics Engineering (ISEEE), octombrie 2021, DOI: 10.1109/ISEEE53383.2021.9628806,
<https://ieeexplore.ieee.org/document/9628806>.
9. Dache Cristinel, Silviu Epure, **Alexandru Duşa**, Răzvan Şolea, Marian Găiceanu, Constantin Drogeanu, "The influence of the type of connection of the filter coils on the efficiency of the filtration process",. 2021 7th International Symposium on Electrical and Electronics Engineering (ISEEE), octombrie 2021, DOI: 10.1109/ISEEE53383.2021.9628558, <https://ieeexplore.ieee.org/document/9628558>.
10. Ion Voncilă, **Alexandru Duşa**, Cristi Marin, "Comparative analysis of APPF modelling and simulation", The Annals of "Dunarea de Jos "University of Galati. Fascicle III, Electrotechnics, Electronics, Automatic Control, Informatics. Februarie 2022, <https://doi.org/10.35219/eeaci.2021.1.05>.
11. Petru Livinti, Ioan Viorel Banu, George Culea, Bouderbala Manale, Btissam Majout, **Alexandru Duşa**, "Wireless control of a D.C. Motor Used for Driving a Conveyor Belt", 2024 International Conference on Circuit, Systems and Communication (ICCSC), June 2024, DOI:10.1109/ICCSC62074.2024.10616669,
<https://ieeexplore.ieee.org/document/10616669>.
12. Gurguiatu Gelu, **Duşa Alexandru**, Coman Gelu, Cristian Iosifescu, "Assessing the Role of Residential Battery Storage in Enhancing Energy Autonomy and Grid Flexibility", 2025 9th International Symposium on Electrical and Electronics Engineering (ISEEE), October 2025, DOI: 10.1109/ISEEE67817.2025.11304832,
<https://ieeexplore.ieee.org/document/11304832>.