

## Pomazan Cătălin-Constantin – Lista publicațiilor și lucrărilor științifice

### Cărți și capitole în cărți

1. Dinu Simona, **Pomazan Cătălin**, *Programarea calculatoarelor – Îndrumar de laborator*, Ed. Nautica, Constanța, 2013, 134 pagini, ISBN 978-606-681-016-6
2. Dinu Simona, **Pomazan Cătălin**, *Structuri de date și algoritmi*, Ed. Nautica, Constanța, 2013, 125 pagini, ISBN 978-606-681-021-0
3. Dinu Simona, **Pomazan Cătălin**, *Programare orientată obiect – Îndrumar de laborator*, Ed. Nautica, Constanța, 2013, 72 pagini, ISBN 978-606-681-022-7
4. Dinu Simona, **Pomazan Cătălin**, *Baze de date – Lucrări practice*, Ed. Nautica, Constanța, 87 pagini, ISBN 978-606-681-032-6, 2014
5. Hnatiuc Mihaela, **Pomazan Cătălin**, *Microcontrolerul PIC16F84 - Aplicații practice*, Ed. Nautica, Constanța, 2015, 88 pagini, ISBN 978-606-681-014-2

### Lucrări indexate ISI/BDI

1. Dinu. S, **Pomazan, C.**, *A New Hybrid Fuzzy Genetic Algorithm Optimization Method For Dynamic Economic Dispatch With Valve-Point Loading Effects*, Proceedings of the 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '13), pag. 217-223.
2. Gh. Mișcoi, A. Costea, R. I. Țicu, **C. Pomazan**, *Algorithms of evaluation of the waiting time and the modelling of the terminal activity based on the traffic coefficient of ships in the seaport*, Ponte Academic Journal, August 2016, Volume 72, Issue 8, ISSN:0032-423X, pag. 237-248
3. Gh. Mișcoi, R. I. Țicu, A. Costea, **C. Pomazan**, *Evaluation algorithms of the waiting time of ships in a seaport*, Proceedings of the International Scientific Conference Mathematics & IT: Research and Education (MITRE-2016), Chișinău, Republica Moldova, pag. 45-46
4. S.R. Sinte, **C.C. Pomazan**, *Cloud connected power inverter*, MODTECH 2021, 2021 IOP Conference Series: Materials Science and Engineering, Eforie Nord, Romania, 2021, DOI: 10.1088/1757-899X/1182/1/012071
5. S.R. Sinte, B. Hnatiuc, M. Hnatiuc, V.M. Pomazan, **C.C. Pomazan**, *Audio message IoT devices for industrial automation and operation - ATOM-N*, Constanța, România, 2022, DOI: 10.1117/12.2642689
6. S.R. Sinte, B. Hnatiuc, M. Hnatiuc, V.M. Pomazan, **C.C. Pomazan**, *Low drop voltage step-down converter for industrial automation and operation*, ATOM-N, Constanța, România, 2022, DOI: 10.1117/12.2642688
7. **Cătălin-Constantin Pomazan**, *Internal Parameters Extraction Algorithm for Mono and Polycrystalline Photovoltaic Panels Using Single-Diode Model*, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iași, România, 2022, pp. 311-316, DOI: 10.1109/EPE56121.2022.9959749
8. **Cătălin-Constantin Pomazan**, *Designing a Programmable Solar Simulator for the Study of Photovoltaic Panels*, 2023 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE), București, România, 2023, pp. 1-5, DOI: 10.1109/ATEE58038.2023.10108143
9. Hnatiuc B., Sinte S., **Pomazan C.**, Hnatiuc M., *Comparative Study Of Harmonic Generation By Different Types Of Dimmers*, ISEEE 2023, 8th International Symposium on Electrical and Electronics Engineering, Galați, România, 2023, DOI 10.1109/ISEEE58596.2023.10310401

10. Cornel Panait, Sorin-Robertino Sinte, Ana Dumitrașcu, Bogdan Hnatiuc, Mihaela Hnatiuc, **Cătălin Pomazan**, *Identifying and Monitoring Recovered Batteries*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iași, România, 2024, DOI: 10.1109/EPEi63510.2024.10758145
11. Cornel Panait, Sorin-Robertino Sinte, Ana Dumitrașcu, Bogdan Hnatiuc, Mihaela Hnatiuc, **Cătălin Pomazan**, *Intelligent Energy Storage for Electric Vehicle Charging Stations*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iași, România, 2024, DOI: 10.1109/EPEi63510.2024.10758121
12. Sorin Sinte, Bogdan Hnatiuc, Mihaela Hnatiuc, Florin Nicolescu, **Catalin Pomazan**, Valentina Pomazan, *Analyzing Analog Signal Transmission over Optical Fibers using Pulse Width Modulation*, 2024 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, România, 2024, DOI: 10.1109/ICATE62934.2024.10749423
13. Sorin Sinte, Cornel Panait, Bogdan Hnatiuc, Mihaela Hnatiuc, Florin Nicolescu, **Catalin Pomazan**, *Proactive Monitoring and Protection of Battery*, 2024 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, România, 2024, DOI: 10.1109/ICATE62934.2024.10748892
14. Sorin Sinte, Cornel Panait, Bogdan Hnatiuc, Marian Tirpan, **Catalin Pomazan** and Mihaela Hnatiuc, *Wind Turbine Electric Signals Simulator*, Energies Journal, MDPI, vol 18, 2025, DOI: 10.3390/EN18184951 (Q1 Scopus Ranking)

#### **Lucrări non ISI/BDI**

1. S.R. Sinte, V.M. Pomazan, **C.C. Pomazan**, *Smart plant energy control using IoT technology*, Scientific Bulletin of Naval Academy, Vol. XXI 2018, pg. 509-517., ISSN: 2392-8956; ISSN-L: 1454-864X

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