

## **L I S T A**

### **lucrărilor științifice în domeniul disciplinelor din postul didactic**

#### **A. Teza de doctorat**

1. T1 **Greco I.S.**, Contributions on the Boundary Layer Flow Numerical Modelling in Turbulent Regime (Contribuții la modelarea numerică a curgerii în stratul limită în regim turbulent), 30 martie 2023, București.

#### **B. Cărți și capitole în cărți publicate în ultimii 10 ani**

1. Dunca G., Bucur D.M., Iovănel R.G., **Greco I.S.**, Mitruț R., Mecanica fluidelor – Îndrumar de laborator, Editura Politehnica Press, București, cod CNCIS 19, ISBN: 978-606-9608-34-0, 2023.

#### **C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani**

1. **Greco I.S.**, Dunca G., Bucur D.M. and Cervantes M.J., *Wall-Layer Treatment Considering the Pressure Gradient for RANS Simulations of Turbulent Flows*, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 2019, pp. 289-293, doi: 10.1109/CIEM46456.2019.8937633, WOS:000630902700061.
2. Dunca G., Bucur D.M., R. Gabriela Iovănel, Călinoiu C., **Greco I.S.** and Mitruț R., *Efficiency Evaluation and Vibration Analysis of Small Pelton Turbines*, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 2019, pp. 384-388, doi: 10.1109/CIEM46456.2019.8937612, WOS:000630902700080.
3. Năstase S., Andrei C.G., Tică E.I., Georgescu S.C., Neagoe A. and **Greco I.S.**, *Hydropower Optimization Test-Case Solved with Nature-Inspired Algorithms*, 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), Timisoara, Romania, 2019, pp. 244-248, doi: 10.1109/CIEM46456.2019.8937643, WOS:000630902700052.
4. **Greco I.S.**, Bucur D.M., Dunca G., Panaitescu V.N. and Cervantes M.J., *Implementation of the standard wall function in numerical computation software*, 2017 International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2017, pp. 231-235, doi: 10.1109/CIEM.2017.8120848, WOS:000427610300049.
5. R. Mitruț, Bucur D.M., Dunca G., **Greco I.S.** and Cervantes M.J., *Passive Control of Flow Around a Circular Cylinder with Different Bluff-Bodies*, 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, Oct. 2023, pp. 1-5, doi: 10.1109/CIEM58573.2023.10349770.
6. Danca P., Bunea F., Babutanu C., Nedelcu A. and **Greco I.S.**, *Experimental study of the flow induced by an axial hydrokinetic turbine*, IOP Conference Series: Earth and Environmental Science, vol. 1136, no. 1, p. 012058, Jan. 2023, doi: 10.1088/1755-1315/1136/1/012058.

7. Bucur D.M., Dunca G., Bunea F., Chihăia R.A., **Grecu I.S.** and Mitruț R., *Experimental investigation of small axial hydro-kinetic turbines*, IOP Conference Series: Earth and Environmental Science, vol. 1079, no. 1, p. 012020, Sep. 2022, doi: 10.1088/1755-1315/1079/1/012020.
8. **Grecu I.S.**, Dunca G., Bucur D.M., and Cervantes M.J., *URANS numerical simulations of pulsating flows considering streamwise pressure gradient on asymmetric diffuser*, IOP Conference Series: Earth and Environmental Science, vol. 1079, no. 1, p. 012087, Sep. 2022, doi: 10.1088/1755-1315/1079/1/012087.
9. **Grecu I.S.**, Dunca G., Bucur D.M. and Cervantes M.J., *Wall-Model for Turbulent Flows Under an Adverse Pressure Gradient - Asymmetric Diffuser*, 2021 10th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2021, pp. 1-5, doi: 10.1109/CIEM52821.2021.9614830.
10. Bucur D.M., **Grecu I.S.**, Mitruț R., Drăgoi C., Stroilescu A.I. and Dunca G., *Design and Numerical Investigation of a Small Axial Hydrokinetic Turbine*, 2021 10th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2021, pp. 1-5, doi: 10.1109/CIEM52821.2021.9614895.
11. Roman R., Iovănel R.G., **Grecu I.S.**, Dunca G., and Bucur D.M., *Experimental Evaluation of Roughness Coefficient of a HPP Headrace Channel*, U.P.B. Sci. Bull., Series D, vol. 77, no. 3, 2015. Available: [https://www.scientificbulletin.upb.ro/rev\\_docs\\_arhiva/fullf90\\_304489.pdf](https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fullf90_304489.pdf)

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**Semnătura:**