

ΔΗΜΟΣΙΕΥΣΕΙΣ

Εργασίες σε διεθνή περιοδικά

- J1. Yongdong Wang, Alexandros Vouros , Jianping Zhang, Michael A. Delichatsios (2017) Numerical and experimental validation study of flame extent of a pool fire under the ceiling, *Journal of Loss Prevention in the Process Industries* 49(part B), pp.652-659.
- J2 Andreas Vouros, Alexandros Vouros, Thrassos Panidis (2017), Spray Characteristics of Alternative Aviation Fuel Blends, *Aerospace* 4(17), pp.1-15.
- J3. P.Papadopoulos, A.Vouros (2016), Pulsating turbulent pipe flow in the current dominated regime at high and very-high frequencies, *International Journal of Heat and Fluid Flow* 58, pp.54-67.
- J4. Vouros An, Vouros Al, A., Panidis T (2016) An experimental study of a water droplet mist jet issuing normal to a heated flat plate, *Journal of Thermal Sciences* 20(2), pp.473-482.
- J5. Alexandros P. Vouros, Thrassos Panidis, Andrew Pollard, Rainer R. Schwab (2015), Near field vorticity distributions from a sharp-edged rectangular jet, *International Journal of Heat and Fluid Flow* 51, pp.383-394.
- J6. Tzempelikos, D.A., Vouros, A.P., Bardakas, A. V., Filios, A.E. & Margaris, D.P.(2015) Experimental study on convective drying of quince slices and evaluation of thin-layer drying models», *Engineering in Agriculture, Environment and Food* 8(3), pp.169-177.
- J7. Tzempelikos, D.A., Mitrakos, D., Vouros, A.P., Bardakas, A. V., Filios, A.E. & Margaris, D.P. (2015) Numerical modelling of heat and mass transfer during convective drying of cylindrical quince slices», *Journal of Food Engineering* 156, pp. 10-21.
- J8. D.A. Tzempelikos, A.P. Vouros, A.V. Bardakas, A.E. Filios and D.P. Margaris (2014) Case studies on the effect of the air drying conditions on the convective drying of quinces, *Case Studies in Thermal Engineering* 3, pp. 79-85.
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- J10. Vouros A., Panidis T. (2013) Turbulent properties of a low Reynolds number axisymmetric pipe jet, *Experimental Thermal and Fluid Science* 44 (1), pp.42-50.
- J11. Vouros A., Mentzos M., Xanthopoulos E., Filios A., Margaris D. (2013) Influence of an exit wall boundary on the flow of a circular jet, *Journal of Applied Fluid Mechanics*, 6(3), pp. 465-471.
- J12. D. A. Tzempelikos, A. P. Vouros, A. V. Bardakas, A. E. Filios, and D. P. Margaris (2012), Analysis of air velocity distribution in a laboratory batch-type tray air dryer by computational fluid dynamics, *International Journal of Mathematics and Computers in Simulation* 6(5), pp.413-421.
- J13. Vouros A., Panidis T. (2008) Influence of a secondary, parallel, low Reynolds number, round jet on a turbulent axisymmetric jet, *Experimental Thermal and Fluid Science* 32 (8), pp.1455-1467.

Κεφάλαια σε Βιβλία

- B.1 Vouros A, Tzempelikos D., Mitrakos D., Filios A., CFD modeling of convective drying of cylindrical fruit slices, Chapter no. 16 in *Computational Fluid Dynamics in Food Processing*, Second Edition, CRC Press, Taylor & Francis Group edited by Da-Wen Sun, In press

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- C1. Andreas P. Vouros, Alexandros P. Manolis Souliotis, Thrassos Panidis (2017), Experimental study of a diesel oil spray injecting at high pressures, 7th International Conference on Experiments/Processes/System Modeling/Simulation/Optimization, IC-EpsMsO, Athens, 5 - 8 July 2017.
- C2. Vouros A., Delichatsios M.A., Zhang J. (2017) An Analytical Method for the Estimation of Radiation Heat Flux from Open Pool Fires and Pool Fires Impinging on Ceilings. In: Harada K., Matsuyama K., Himoto K., Nakamura Y., Wakatsuki K. (eds) Fire Science and Technology 2015, Springer
- C3. Y. Wang, A. Vouros, J. Zhang and M. Delichatsios, Numerical and experimental validation study of flame extent of a pool fire under the ceiling, Ninth Mediterranean Combustion Symposium, 7-11 June 2015, Rhodes, Greece.
- C4. A.P. Vouros, A. Polard, T. Panidis, R.Schwab, Momentum and Vorticity Balances in a Jet that Issues from a Sharp-edged Rectangular Orifice, 19th Australian Fluid Mechanics Conference, Melbourne, 8-11 December 2014.
- C5. D. A. Tzempelikos, D. Mitrakos, A. P. Vouros, A.V. Bardakas, A. E. Filios and D. P.Margaris, Modelling and simulation of heat and mass transfer during convective drying of cylindrical quince slices», eRA-9, Piraeus, 22 - 24 September 2014.
- C6. D. A. Tzempelikos, A.V. Bardakas, A. P. Vouros, A. E. Filios, and D. P.Margaris, Thin-layer drying models critical evaluation based on laboratory scale convective dryer experiments, 6th International Conference "From Scientific Computing to Computational Engineering" (IC-SCCE), Athens, 9 - 12 July 2014.
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- C9. D. A. Tzempelikos, A. V. Bardakas, A. P. Vouros, D. G. Tsepenekas, D. A. Christoloukas, A. E. Filios and D. P. Margaris, Design, construction and performance evaluation of a new laboratory convective dryer, 5th International Conference on Experiments / Process / System Modelling / Simulation and Optimization (IC-EpsMsO), Athens, 3 - 6 July 2013.
- C10. Alexandros P. Vouros, Rainer R. Schwab, Andrew Pollard, Thrassos Panidis (2013) Velocity and Vorticity Distributions in Cross Planes of a Sharp Edged Rectangular Jet, 8th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, ExHFT-8, June 16-20, Lisbon Portugal
- C11. Alexandros Romeos, Alexandros Vouros, Athanasios Giannadakis, Vicky Papadogianni, Kostas Perrakis, Thrassos Panidis (2013) Assessment of Fire Behavior of Materials, 8th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, ExHFT-8, June 16-20, Lisbon Portugal.

C12. A. Vouros, A. Vouros, Th. Panidis (2013) Experimental Study of a Water Mist Jet Issuing Normal to a Heated Flat Plate, 8th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, ExHFT-8, June 16-20, Lisbon Portugal

C13. Andreas Vouros, Alexandros Vouros, Thrassos. Panidis (2012) Compatibility of spray characteristics of alternative fuels for aviation, 13th Workshop on two-phase flow predictions, 17-20 September Halle, Germany.

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- E3. Γιανναδάκης Α., Βούρος Α., Ρωμαίος, Α., Περράκης Κ., Πανίδης Θ. (2012) Υπολογιστική προσομοίωση σε εξάπλωση φωτιάς σε μη προσβάσιμες περιοχές αεροσκάφους, ΡΟΗ2012 – 8ο Πανελλήνιο Συνέδριο –Φαινόμενα Ροής Ρευστών, Βόλος, 16 & 17 Νοεμβρίου.
- E4. Βούρος Α., Πανίδης Θ. (2006) Πειραματική Διερεύνηση της Αλληλεπίδρασης Ισχυρής και Ασθενούς Δέσμης Εκροής, 5η Επιστημονική Συνάντηση «Ερευνητικές Δραστηριότητες στη Μηχανική Ρευστών στην Ελλάδα, ΡΟΗ »
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