

ISI Publications:

Mărculescu, C., Bălan, C., *Theoretical, experimental and numerical investigation of the flow generated by a 3D spinning disk*, International Conference on Numerical Analysis and Applied Mathematics 2008, AIP Conference Proceedings 1048, p. 787-791.

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Broboană, D., **Mărculescu, C.**, Kadar, R., Bălan, C., *Experimental and numerical simulations of 3D branching flows, with application to the modeling of blood flow in arteries*, Timisoara Medical Journal, Volume 56, Supplement 4, 2006, p. 23-29 (ISSN 1583-5251).

Mărculescu, C., Bălan, C., *Mixing Process in Rotating Motions*, U.P.B. Sci. Bull., Series D, Vol. 72, Iss. 1, 2010 (ISSN 1454-2358).

Broboană, D., Călin, A., **Mărculescu, C.**, Bălan, C., *Vortical structures at the interface*, 2nd Workshop on Vortex Dominated Flows – Achievements and Open Problems, Sci. Bull. of U.P.T., Tom 51(65), Fascicola 3, 2008, Bucharest, Romania, 2006, p. 63-67 (ISSN 1224-6077).

Mărculescu, C., Bălan, C., *Numerical solutions in rotational flows using different mesh generation techniques*, Proceedings of 4th Workshop on Vortex Dominated Flows, Sci. Bull. of U.P.T., Tom 53(67), Fascicola 3, 2008, p. 143-147 (ISSN 1224-6077).

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Avram, M., Schiopu, V., Avram, A., **Mărculescu, C.**, Bălan, C.M., Popescu, A., Volmer, M., *Melanoma cells apoptosis induced by magnetic hyperthermia*. International Conference on Nanosciences and Nanotechnologies, NN11, Thessaloniki, Greece, July 12-15, pp. 453, 2011.

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Mărculescu, C., Bălan, C., *Dinamica fluidelor vâscoase în mișcări de rotație*, A patra conferinta a hidroenergeticienilor din Romania, Dorin Pavel, Bucuresti, 2006, p. 205-210.

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