

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE,
PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT**

Ing. Aurel Traian BENA student doctorand

1. Lucrări științifice publicate în reviste indexate Web of Science-WoS (ISI)

✓ [1] Mitelea I., **Bena T.**, Bordeășu I., Crăciunescu C.M.: Relations between microstructure, roughness parameters and ultrasonic cavitation erosion behaviour of nodular cast iron, EN-GJS-400-15. REVISTA DE CHIMIE, Volume: 69, Issue: 3, Pages: 612-617, Published: MAR 2018, (WOS:000430946500017)

[2] Mitelea I., **Bena T.**, Bordeășu I., Uțu I.D., Crăciunescu C.M.: Enhancement of cavitation erosion resistance of ductile iron surface remelted by TIG process. (Transmisă pentru publicare în J. Metallurgical and Materials Transactions A)

2. Lucrări științifice publicate în volumele unor manifestări științifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

✓ [1] **Bena T.**, Mitelea I., Bordeășu I., Crăciunescu C.: The effect of the softening annealing and of normalizing on the cavitation erosion resistance of nodular cast iron FGN 400-15. METAL 2016: 25TH ANNIVERSARY INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS, Pages: 653-658, Published: 2016, Proceedings Paper, (WOS:000391251200104)

✓ [2] **Bena T.**, Mitelea I., Bordeășu I., Uțu I.D., Crăciunescu C.M.: The quenching – tempering heat treatment and cavitation erosion resistance of nodular cast iron with ferrite – pearlite microstructure. METAL 2017: 26TH INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS, Pages: 731-736, Published: 2017, Proceedings Paper, (WOS:000434346900115)

[3] **Bena T.**, Mitelea I., Bordeășu I., Crăciunescu C.M.: Roughness parameters during cavitation exposure of nodular cast iron with ferrite – pearlite microstructure. 7th International Conference on Advanced Materials and Structures - AMS 2018, IOP Publishing IOP Conf. Series: Materials Science and Engineering 416 (2018) 012011 (doi:10.1088/1757-899X/416/1/012011) - SCOPUS) (Urmează indexarea ISI)

3. Lucrări științifice publicate în reviste de specialitate indexate BDI(cu specificarea BDI)

[1] Mitelea I., **Bena T.**, Budău V., Uțu I.D., a.o.: Resistance to cavitation erosion of AMPCO 45 (CuAl10NiFe2.5Mn1) deformable bronzes. Baker Copper, No 1, volumen 41/2016, ISSN 0351-0212

[2] Lazăr I., Bordeășu I., Popoviciu M.O., Mitelea I., **Bena T.**, Micu L.M.: Considerations regarding the erosion mechanism of vibratory cavitation. (2018) IOP Conference Series : Materials Science and Engineering, 393 (1), art. No. 012040, (doi: 10.1088/1757-899X/393/1/012040) - SCOPUS) (Urmează indexarea ISI)

[3] Bordeășu I., Popoviciu M.O., Ghera C., Micu L.M., Pârvulescu L.D., **Bena T.** : The use of Rz roughness parameter for evaluation of materials behaviour to cavitation erosion. (2018) IOP Conference Series : Materials Science and Engineering, 294 (1), art. No. 012020, (doi: 10.1088/1757-899X/294/1/012020) - SCOPUS) (Urmează indexarea ISI)

Data: _____

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