

LISTA DE LUCRĂRI ȘTIINȚIFICE PUBLICATE

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A. TEZA DE DOCTORAT

A1. Cercetări privind modelarea și simularea procesului de aşchiere specific procedului de frezare

B. ARTICOLE

Ba. Articole publicate în Reviste de Specialitate indexate ISI

Ba.01. Constantin, G.; Maroșan, I.-A.; Crenganiș, M.; **Botez, C.**; Gîrjob, C.-E.; Biriș, C.-M.; Chicea, A.-L.; Bârsan, A. Monitoring the Current Provided by a Hall Sensor Integrated in a Drive Wheel Module of a Mobile Robot. Machines 2023, 11, 385, 2023, WOS: 000960072900001 (IF = 2,899, Web of Science, articol în revista Q2).

Ba.02. D. Arotăriței, G. Constantin, **C. Constantin**, A.L. Crețu, Modelling the Cutting Process using Response Surface Methodology and Artificial Intelligence Approach: a Comparative Study for Milling, CONTROL ENGINEERING AND APPLIED INFORMATICS 2014, 16, 14-27, WOS:000338095800003.

Bb. Articole publicate în Reviste de Specialitate indexate BDI

Bb.01. S.C. Botez, **C. Botez**, G. Constantin, Numerical assessment of the structural integrity of UAV shafts reconditioned by thermal spraying, Proceedings in Manufacturing Systems, Vol. 20, Issue 4, 2025, pp. 161-174, ISSN 2067-9238 <https://doi.org/10.5281/zenodo.19606076>

Bb.02. **C. Botez**, S.C. Botez, G. Constantin, From CNC to AI – major technological developments shaping the machine tool industry, Proceedings in Manufacturing Systems, Vol. 19, iss. 4, 2024, pag. 151-167, ISSN 2067-9238

Bb.03. G. Constantin, **C. Botez**, S.C. Botez, Trends in the use of plastic materials in 3D printing applications, în Proceedings in Manufacturing Systems, vol. 19, iss. 3, 2024, pag. 109-129, ISSN 2067-9238

Bb.04. D. Arotăriței, **C. Botez (Constantin)**, G. Constantin, Variable importance analysis for a cutting process model, Proceedings of Manufacturing Systems, vol. 16, iss. 1, 2021, pp. 37-42.

Bb.05. **C. Botez (Constantin)**, G.B. Coteț (Nica), The corporate management model from the perspective of organizational culture, Proceedings of Manufacturing Systems, vol. 15, iss. 2, 2020, pp. 71-80.

Bb.06. D. Arotăriței, **C. Constantin**, G. Constantin, Aspects regarding the use of genetic programming in modelling the cutting forces, Proceedings in Manufacturing Systems, vol. 7, iss. 3, 2012, pp. 131–138 (B1)

- Bb.07. **C. Constantin**, G. Constantin, Aspects regarding the modelling of the chip geometry in end milling, Proceedings in Manufacturing Systems, vol. 7, iss. 1, 2012, pp. 11–18
- Bb.08. **C. Constantin**, S.M. Croitoru, G. Constantin, E. Străjescu, FEM tools for cutting process modeling and simulation, U.P.B. Scientific Bulletin, Series D, vol. 74, iss. 4, 2012, pp. 149–162
- Bb.09. **C. Constantin**, E. Străjescu, Revision of actual stage in modeling of cutting processes, Proceedings of Manufacturing Systems, vol. 6, issue 1, 2011, pp. 11–24

Bc. Articole publicate în Reviste de Specialitate neindexate

- Bc.01. C.I. Silvestru, **C. Botez**, V. Ion, M.E. Lupescu, An exploratory analysis on using virtual learning technologies applied in the technical field, Conference: 18th International Conference on INFORMATICS in ECONOMY. Education, Research and Business Technologies, 2019, pp. 279-284
- Bc.02. C.I. Silvestru, V. Ion, **C. Botez**, V.C. Icoiciu, ISCED Classification Influence on E-Learning Education Systems, Informatică Economică, 22 (4), 2018, pp. 80-88
- Bc.03. **C. Constantin**, S.M. Croitoru, G. Constantin, E. Străjescu, Comparative modeling and simulation of the cutting process, Conference Proceedings of the Academy of Romanian Scientists, PRODUCTICA Scientific Session, vol. 4, no. 1, 2012, pp.137–144

Be. Articole publicate în Volumele unor Conferințe Științifice Internaționale indexate BDI

- Be.01. **C. Constantin**, Cl. Bîșu, S. M. Croitoru, G. Constantin, Milling analysis by 3D FEM and Experimental tests, Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, vol. 21, no. 1, 2010, pp. 0337-0338
- Be.02. **C. Constantin**, S.M. Croitoru, G. Constantin, Cl. Bîșu, 3D FEM Analysis of Cutting Processes, 3rd WSEAS International Conference on Visualization, Imaging and Simulation, 2010, pp. 41–46

C. CĂRȚI

Ca. Cărți publicate în Edituri Naționale cu ISBN și în edituri recunoscute CNCIS

- Ca.01. G. Constantin, **C. Constantin**, Modelarea și simularea procesului de aşchiere prin frezare, Editura Politehnica Press, Bucureşti, 2014

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Semnătura

