

LISTA DE LUCRĂRI

A. Lista lucrărilor relevante

1. **Radu M.C.**, Cristea I., *Processing metal sheets by SPIF and analysis of parts quality*, Materials and Manufacturing Processes, ISSN 1042-6914, 2013, vol. 28, no. 3, pp. 287–293, DOI:[10.1080/10426914.2012.746702](https://doi.org/10.1080/10426914.2012.746702), WOS:000316073400011, **Jurnal în Q2, categoria Web of Science: ENGINEERING, MANUFACTURING**
2. **Radu C.**, Tampu C., Cristea I., Chirita B., *The effect of residual stresses on the accuracy of parts processed by SPIF*, Materials and Manufacturing Processes, ISSN 1042-6914, 2013, vol. 28, no. 5, pp. 572-576, DOI: [10.1080/10426914.2013.763967](https://doi.org/10.1080/10426914.2013.763967), WOS:000318346700013, **Jurnal în Q2, categoria Web of Science: ENGINEERING, MANUFACTURING**
3. **Radu C.**, Herghelegiu E., Tampu C., Cristea I., *The residual stress state generated by single point incremental forming of aluminum metal sheets*, Innovative Manufacturing Engineering, Applied Mechanics and Materials, ISSN 1660-933, 2013, vol. 371, pp. 148-152, DOI: [10.4028/www.scientific.net/AMM.371.148](https://doi.org/10.4028/www.scientific.net/AMM.371.148), WOS:000334556900029
4. **Radu C.**, Cristea I., Herghelegiu E., Tabacu Ș., *Improving the accuracy of parts manufactured by single point incremental forming*, OPTIROB 2013: Optimization of the intelligent systems and their applications in aerospace, robotics, mechanical engineering, manufacturing systems, biomechanics and neurorehabilitation, Book Series: Applied Mechanics and Materials, 2014, Vol. 332, pp. 443-448, DOI: [10.4028/www.scientific.net/AMM.332.443](https://doi.org/10.4028/www.scientific.net/AMM.332.443), WOS:000345269700064
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7. **Radu M.C.**, Tampu R., Nedeff V., Patriciu O.I., Schnakovszky C., Herghelegiu E., *Experimental investigation of stability of vegetable oils used as dielectric fluids for electrical discharge machining*, Processes, ISSN 2227-9717, 2020, vol. 8, no. 9, 1187, DOI:[10.3390/pr8091187](https://doi.org/10.3390/pr8091187), WOS: 000581713800001, **Jurnal în Q2, categoria Web of Science: ENGINEERING, CHEMICAL**
8. **Radu M.C.**, Schnakovszky C., Herghelegiu E., Ciubotariu V.A., Cristea I., *The impact of the COVID-19 pandemic on the quality of educational process: A Student Survey*, International Journal of Environmental Research and Public Health, ISSN 1661-7827, 2020, vol. 17, 7770, DOI: [10.3390/ijerph17217770](https://doi.org/10.3390/ijerph17217770), WOS: 000588980300001 **Jurnal în Q1, categoria Web of Science: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH**
9. **M.C. Radu**, E. Herghelegiu, C. Tampu, B. Chirita, C. Schnakovszky, P. Radu, O. Ghiorghe, *Use of vegetable oils as dielectric fluids for electrical discharge machining. A case study*, Heliyon, vol. 10, issue 11, e31772, june 15, 2024, DOI: [10.1016/j.heliyon.2024.e31772](https://doi.org/10.1016/j.heliyon.2024.e31772), WOS: 001247702500002, **Jurnal în Q2, categoria Web of Science: MULTIDISCIPLINARY SCIENCES**
10. I.C. Raveica, I. Olaru, E. Herghelegiu, N.C.Tampu, **M.C. Radu**, B.A. Chiriță, C. Schnakovszky, V.A. Ciubotariu, *The impact of digitalization on industrial engineering students' training from the perspective of their insertion in the labor market in a sustainable economy: A students' opinions survey*, Sustainability, 2024, vol. 16, 7499, DOI: [10.3390/su16177499](https://doi.org/10.3390/su16177499), WOS:001311595200001, **Jurnal în Q2, categoria Web of Science: ENVIRONMENTAL SCIENCES**

B. Teza de doctorat

Cercetari teoretice si experimentale privind fenomenul de revenire elastica la ambutisarea pieselor cilindrice, Coordonator științific: Prof. univ. dr. ing. Constantin ISPAS, Universitatea „Politehnica” Bucuresti, 2006 – domeniul Inginerie Industrială.

C. Brevete de invenții și alte titluri de proprietate industrială

Nu este cazul

D. Cărți și capitole în cărți

1. Chirita B.A., Herghelegiu E., **Radu M.C.**, Tampu N.C., *Study of quality parameters for abrasive water jet cutting of metals*. In Carou, D., Davim, J.P. (eds.) Notes for Manufacturing Instructors. Materials Forming, Machining and Tribology, Springer, Cham., pp. 221-257, Print ISBN: 978-3-031-48467-4, Online ISBN: 978-3-031-48468-1, 2024, https://doi.org/10.1007/978-3-031-48468-1_11
2. **M.C. Radu**, C. Schankovszky, E. Herghelegiu, *Aspecte privind deformarea plastică incrementală în punct a tablelor metalice*, Ed. Alma Mater, Bacă, 2021, ISBN 978-606-527-679-6
3. Cristea Ion., Tâmpu Nicolae Cătălin, **Radu Maria Crina**, *Toleranțe și control dimensional*, Ed. Alma Mater, Bacău 2020, ISBN 978-606-527-640-6
4. **Crina Radu**, Eugen Herghelegiu, Catalin Tampu, Tilemachos Koliopoulos, *Incremental sheet forming - an emerging technology with a broad applicability* (cap. 9, pp. 131-137), In: Emerging Environmental Technologies and Health Protection, Ed. Telegeco Research Center, Atena, Grecia, 2018, ISSN 2623-4874, e-ISSN 2623-4882
5. Tilemachos K. Koliopoulos, Vicky Katsoni, **Crina Radu**, *Information tools for health tourism's sustainability and safe mobility*, In: Emerging Environmental Technologies and Health Protection (cap.10, pp. 138-146), Ed. Telegeco Research Center, Atena, Grecia, 2018, ISSN 2623-4874, e-ISSN 2623-4882
6. **Crina Radu**, Ion Cristea, Eugen Herghelegiu, Cătălin Tâmpu, *Sisteme de management al calității. Cerințe. Audit*, Ed. Alma Mater, Bacău 2015, ISBN 978-606-527-483-9
7. Paralika M., Bolos C., Barsan A., **Axinte C.**, Dobre B., Saulescu R., *Ecodesign for sustainable development. Product recycling technologies*, Ed. Universității Transilvania Brașov, 2007, ISBN 978-973-598 -103-7; ISBN 878-973-598-106-8
8. Brabie Ghe., Schnakovszky C., Chiriță B., **Axinte C.**, Chirilă C., *Deformarea la rece a tablelor metalice. Fenomene de instabilitate a formei și dimensiunilor piesei*, Ed. Junimea, 2005, ISBN 973-37-1098-9
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Manuale didactice

1. Cristea Ion, **Radu Maria Crina**, *Managementul calității. Note de curs și aplicații*, Ed. Alma Mater, Bacău 2014, ISBN 978-606-527-428-0
2. Cristea Ion, **Radu Crina**, Tâmpu Cătălin, *Control statistic. Note de curs și aplicații*, Ed. Alma Mater, Bacău 2012, ISBN 978-606-527-210-1
3. **Axinte Crina**, Cristea Ion, *Eco-design. Note de curs și aplicații*, Ed. Alma Mater, Bacău 2010, ISBN 978-606-527-087-9
4. **Axinte Crina**, Cristea Ion, Gherghel Mihai, *Dimensiuni, proporții, armonii și culori. Note de curs și aplicații*, Editura Alma Mater, Bacău 2010, ISBN 978-606-527-088-6
5. **Axinte Crina**, Cristea Ion, *Design de produs. Note de curs și aplicații*, Ed. Alma Mater, Bacău 2010, ISBN 978-606-527-089-3
6. **Axinte Crina**, Cristea Ion, *Elemente de design industrial. Note de curs și aplicații*, Editura Alma Mater Bacău 2007, ISBN 978-973-1833-39-2
7. Bradea Lucia, **Axinte Crina**, *Planificarea și auditul calității. Curs*, Ed. Alma Mater Bacău 2007, ISBN 978-973-1833-42-2

Îndrumare de laborator

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2. **Radu Crina**, Herghelegiu Eugen, Cristea Ion, *Prelucrări prin deformare plastică la rece. Îndrumar pentru lucrări practice*, Ed. Alma Mater, Bacău 2015, ISBN 978-973-8392-99-1
3. Cristea Ion, **Axinte Crina**, *Tolerante și control dimensional. Îndrumar de laborator*, Editura Alma Mater, Bacău 2007, ISBN 978-973-1833-41-5
4. Cristea Ion, **Axinte Crina**, *Ingineria și managementul calității. Îndrumar de laborator*, Editura Alma Mater, Bacău 2007, ISBN 978-973-1833-40-8
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6. Cristea I., Gherghel M., Pavel V., **Axinte C.**, *Tehnici de laborator pentru studiul fenomenelor caracteristice așchierii metalelor*, Ed. Tehnica-Info, Chișinău 2003, ISBN 9975-63-172-2

E. Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

1. I.C. Raveica, I. Olaru, E. Herghelegiu, N.C.Tampu, **M.C. Radu**, B.A. Chiriță, C. Schnakovszky, V.A. Ciubotariu, *The impact of digitalization on industrial engineering students' training from the perspective of their insertion in the labor market in a sustainable economy: A students' opinions survey*, Sustainability, 2024, vol. 16, 7499, DOI: [10.3390/su16177499](https://doi.org/10.3390/su16177499), WOS:001311595200001, Jurnal în Q2, categoria Web of Science: ENVIRONMENTAL SCIENCES
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4. V.A. Ciubotariu, **M.C. Radu**, E. Herghelegiu, V. Zichil, C.C. Grigoras, E. Nechita, *Structural and behaviour optimization of tubular structures made of tailorwelded blanks by applying Taguchi and genetic algorithms methods*, Applied Sciences-Basel, 2022, vol. 12, nr. 13, 6794, DOI:[10.3390/app12136794](https://doi.org/10.3390/app12136794), WOS:000825558800001, Jurnal în Q2, categoria Web of Science: ENGINEERING, MULTIDISCIPLINARY – SCIE
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6. **Radu M.C.**, Tampu R., Nedeff V., Patriciu O.I., Schnakovszky C., Herghelegiu E., *Experimental investigation of stability of vegetable oils used as dielectric fluids for electrical discharge machining*, Processes, ISSN 2227-9717, 2020, vol. 8, no. 9, 1187, DOI:[10.3390/pr8091187](https://doi.org/10.3390/pr8091187), WOS:000581713800001, Jurnal în Q2, categoria Web of Science: ENGINEERING, CHEMICAL
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8. **Radu C.**, Herghelegiu E., Schnakovszky C., *Comparative study on the effects of three unconventional cutting technologies on cut surface quality*, Indian Journal of Engineering & Materials Sciences, ISSN 0971-4588, 2015, vol. 22, no. 2, pp. 127-132, WOS: 000358813600001
9. Schnakovszky C., Herghelegiu E., **Radu M.C.**, Zichil V., *Effects of reusing abrasive material in abrasive water jet cutting on the quality of processed surfaces and environment*, Environmental Engineering and Management Journal, ISSN 1582-9596, 2014, vol.13, no. 7, pp. 1707- 1712, DOI: [10.30638/eemj.2014.189](https://doi.org/10.30638/eemj.2014.189), WOS: 000344577400019
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 14. Ungureanu V., Stan Gh., Axinte C., *Some characteristics of orthotropic materials revealed by special mechanical testing and their FLD's*, International Journal of Material Forming, ISSN 1960-6206, eISSN 1960-6214, 2008, Vol. 1, Supplement 1, pp. 289-292, DOI: [10.1007/s12289-008-0345-0](https://doi.org/10.1007/s12289-008-0345-0), WOS:000208613900073
 15. Ghiorghe O.G., Schnakovszky C., Radu M.C., Tampu C.N., Nita B., *A review of recent research activities in the field of electrical discharge machining*, Journal of Engineering Studies and Research, Vo. 30, no. 1, 2024, pp. 39 – 50, <https://doi.org/10.29081/jesr.v30i1.004> (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons, CSA etc.)
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 17. Chirita B., Herghelegiu E., Radu C., Grigoras C., Tampu C., *Optimization of cut quality for awj processing of a steel alloy*, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, 2023, Vol. XV, No. 2, DOI: <https://doi.org/10.54684/ijmmt.2023.15.2.20> (BD: Scopus, Index Copernicus, Inspec, CNKI, Google Scholar)
 18. V.A.Ciubotariu, C. Grigoras, M. C. Radu, C.N. Tampu, V.Zichil, *The opportunity of using cloud-based computing in numerical simulations on structural analysis - case study*, Journal of Engineering Studies and Research, ISSN 2068-7559, 2022, vol. 28, nr. 1, pp. 38-42, DOI: [10.29081/jesr.v28i1.004](https://doi.org/10.29081/jesr.v28i1.004) (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons)
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 20. Ciubotariu V.A., Olaru I., Radu C.M., Grigoras C., *Application of lexicographic methods in finding new solutions for the construction of switch faucets*, Journal of Engineering Studies and Research, ISSN 2068-7559, 2020, vol. 26, nr. 4, pp. 47-52, DOI: <https://doi.org/10.29081/jesr.v26i4.235> (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons, CSA etc.)
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 22. Radu M.C., *Consultation of workers as a measure for improvement the OH&S management system. Case study at the „Vasile Alecsandri” University of Bacau*, Journal of Engineering Studies and Research, ISSN 2068-7559, 2020, vol. 26, nr. 2, pp. 35-41, DOI: <https://doi.org/10.29081/jesr.v26i2.166> (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons etc.)
 23. Radu M.C., Savin P., Nedeff V., Grigore R., *Supporting the transition from school to active life. case study: feedback analysis of the internships students of „Vasile Alecsandri” University of Bacau*, Journal of Engineering Studies and Research, ISSN 2068-7559, 2020, vol. 26, nr. 2, pp. 42-

- 49, DOI: <https://doi.org/10.29081/jesr.v26i2.167> (BD: Index Copernicus, CSA, ERIH PLUS, Google Academic, Publons etc.)
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26. Koliopoulos T., Ciarkowska K., Antonkiewicz J., Theocharatos S., **Radu C.**, Cristea I., Kouloumpis P., *A project management utility for agricultural facilities and public health*, Journal of Engineering Studies and Research, ISSN 2068-7559, 2018, vol. 24, nr. 2, pp. 32-37, <https://doi.org/10.29081/jesr.v24i2.59> (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons etc.)
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35. Koliopoulos T.C., Tzanis D., Koliopoulos G., **Axinte C.**, *Development of a useful image processing environmental software base for efficient lining methods of technical projects – Moustos Lake, Greece*, Modelling and Optimization in the Machines Building Field, MOCM-15, ISSN 1224-7480, 2009, vol. 1, pp. 27-32 (BD: CSA, VINITI etc.)
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38. Iordache M., **Axinte C.**, *Experimental and theoretical investigation of the cup drawing process of anisotropic steel sheets*, Modelling and Optimization in the Machines Building Field, MOCM-14, ISSN 1224-7480, 2008, vol. 2, pp. 154-159 (BD: CSA, VINITI etc.)
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