

Şef lucrări doctor inginer Rotaru Ionela Magdalena

## **L I S T A**

### **lucrărilor științifice în domeniul disciplinelor din postul didactic**

#### **A. Teza de doctorat (titlul tezei și domeniul)**

##### **Specializarea masterat – titlul disertației (dacă este cazul)**

1. **Doctorat:** Contribuții privind dezvoltarea managementului cunoașterii în educația inginerescă, Teză de doctorat, Domeniul Inginerie Industrială, Universitatea Lucian Blaga din Sibiu
2. **Master:** Proiectarea și fabricația asistată de calculator
3. **Studii postdoctorale:** Managementul cunoștințelor în proiectarea tehnologiilor sustenabile

#### **B. Cărți și capitole în cărți**

1. Rotaru, I. M., Managementul cunostintelor in educatia inginerasca, Editura Universității Lucian Blaga din Sibiu, 2013, ISBN 978-606-12-0630-8
2. Rotaru, I. M., Tehnologia Construcțiilor de Mașini. Indrumar de laborator, Editura Universității Lucian Blaga din Sibiu, 2014, ISBN 978-606-12-0907-1
3. Rotaru, I. M., Managementul cunoștințelor în proiectarea tehnologiilor sustenabile, Editura Universității Lucian Blaga din Sibiu, 2015, ISBN 978-606-12-1070-1
4. Rotaru, I. M., Tehnologia Constructiilor de Masini. Caiet pentru proiect. Placi., Editura Universității Lucian Blaga din Sibiu, 2016, ISBN 978-606-12-1405-1

#### **C. Lucrări indexate ISI/BDI**

1. Cofaru N. F., Borza S., **Rotaru M. I.**, *Computer aided design for shafts*, Annal Oradea University, Fascicle of Management and Tehnological Engineering, Volume VIII, ISSN 1583 – 0691, Oradea 2009
2. Cofaru N. F., Borza S., **Rotaru M. I.**, *Computer aided technological design of manufacturing processes using CNC lathes*, Annal Oradea University, Fascicle of Management and Tehnological Engineering, Volume VIII, ISSN 1583 – 0691, Oradea 2009
3. **Rotaru M. I.**, Cofaru N., Lobonț L., *The evolution of the partnership University-companies*, International conference on Manufacturing Science and Education, MSE 2009, ISSN 1843-2522, Sibiu
4. Lobonț L., **Rotaru M. I.**, *Methodology for identifying, representing and analising the organizational processes for quality management systems implementation*, International conference on Manufacturing Science and Education, MSE 2009, Sibiu 2009
5. **Rotaru M. I.**, Părăian N.D., Lobonț L., *Functional dimension and Technological dimension – Self directed e-Learning module*, Balkan Region Conference on Engineering

- and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2009
6. Lobonț L., Lungu A., **Rotaru M. I.**, *Training for research in engineering study programmes*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2009
  7. Lobonț L., **Rotaru M. I.**, Lungu A. ș.a., *Using process modeling and simulation to develop engineering students' practical skills* 6<sup>th</sup> International Seminar on the Quality Management in Higher Education, ISBN 978-973-662-567-1, Tulcea 2010
  8. **Rotaru, M. I.**, *Knowledge models in engineering technology and Manufacturing*, International conference on Manufacturing Science and Education, ISSN 1843-2522, MSE 2011, Sibiu
  9. **Rotaru, M. I.**, Lobont L., Radu V., *Knowledge models in engineering technology and Manufacturing. A specific example.*, International conference on Manufacturing Science and Education, ISSN 1843-2522, MSE 2011, Sibiu
  10. **Rotaru, M. I.**, Beju L., *Are concept maps a solution for technical field?*, ISSN 1843-2522, MSE 2011, Sibiu
  11. **Rotaru, M. I.**, Borza S., *Conception and fabrication in automotive industry using knowledge management principles*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
  12. **Rotaru, M. I.**, Borza S., *Conception and fabrication of straight axes using knowledge management principles*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
  13. Borza S., **Rotaru, M. I.**, Codrea S., *The Analysis of the Traffic Noise in an Area Densely Populated with GIS Software Used in the Educational Process*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
  14. Borza S., **Rotaru, M. I.**, Borza I., *Multimedia tutorials in engineering education*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
  15. **Rotaru M. I.**, *Sustainable development in automotive companies*, Academic Journal Of Manufacturing Engineering, vol.12, nr.4, 2009, ISSN V, pp. 91-97, 2014, <http://www.eng.upt.ro/auif/ajme.php>
  16. **Rotaru M. I.**, *Tehnologii de fabricație sustenabile. O trecere în revistă a cercetărilor actuale.*, Joint International Conference Of Doctoral And Post-Doctoral Researchers Conference, Craiova, 2014, ISBN \_978-606-26-0215-4, pp. 232-234
  17. **Rotaru M. I.**, *Capturing knowledge in order to optimize the cutting process for polyethylene pipes using knowledge models*, Acta Universitas Cibiensis LXVII, Technical series, Sibiu, ISSN 1583-7149, 2015
  18. **Rotaru M. I.**, *Knowledge management a necessity for the training of future specialists of the*, Acta Universitas Cibiensis LXVII, Technical series, Sibiu, ISSN 1583-7149, 2015

19. **Rotaru M. I.**, Improvement of learning quality in manufacturing technology: a case study, MATEC Web of Conferences, 2017
20. **Rotaru M. I.**, Aplicatiile pentru Smartphone in inginerie: exploatarea laturii educationale, Review of Management & Economic Engineering, 2017
21. Dobrota D., **Rotaru I.**, Nicolescu F. A., Marin M., Improving the Sustainability of the Manufacturing Process by Constructively Optimizing the Parts “Transition Type Fitting”, Sustainability Journal, Vol.11, Nr.19, Pg. 5450
22. Dobrota D., **Rotaru I.**, Bondrea I., Welded Construction Design of Transition Fittings from Metal Pipes to Plastic Pipes, Metals Journal, Vol.10, Nr.9, Pg. 1231
23. Dobrota D., Racz S.G., Oleksik M., **Rotaru I.**, Tomescu M., Simion C., Smart cutting tools used in the processing of aluminium Alloys, Sensors Journal, Vol.22, 28 Nr.9.

#### **D. Lucrări publicate în reviste și volume de conferințe cu referenți**

##### **D 1.1. Selecție de maximum 20 lucrări în volume de conferințe**

1. I. M. Rotaru, N. Cofaru, **L. Lobonț**, The evolution of the partnership University-Companies, The 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION- MSE iunie 2009- SIBIU-ROMANIA, ISSN 1843-2522, pp. 131-134
2. **L. Lobonț**, I.M. Rotaru, Methodology for identifying, representing and analyzing the organizational processes for Quality Management systems implementation, The 4<sup>th</sup> INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION- MSE iunie 2009- SIBIU-ROMANIA, ISSN 1843-2522, pp. 235-238
3. **Rotaru M. I.**, Părăian N.D., Lobonț L., *Functional dimension and Technological dimension – Self directed e-Learning module*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2009
4. **Rotaru, M. I.**, *Knowledge models in engineering technology and Manufacturing*, International conference on Manufacturing Science and Education, ISSN 1843-2522, MSE 2011, Sibiu
5. **Rotaru, M. I.**, Borza S., *Conception and fabrication of straight axes using knowledge management principles*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
6. Borza S., **Rotaru, M. I.**, Borza I., *Multimedia tutorials in engineering education*, Balkan Region Conference on Engineering and Business Education & International Conference on Engineering Business Education. Conference proceedings: Sibiu, ISBN 978-973-739-848-2, 2012
7. **Rotaru M. I.**, Capturing knowledge in order to optimize the cutting process for polyethylene pipes using knowledge models, Acta Universitas Cibiensis LXVII, Technical series, Sibiu, ISSN 1583-7149, 2015

**Data: 19.04.2022**

**Semnătura:**

A handwritten signature in black ink, appearing to be 'L. C. C.', with a long horizontal stroke extending to the right.