

Lista de lucrări

Prof. Dr. Ing. Mihaela SUCIU

1. Lucrări științifice relevante (ISI cu IF)

1.1. Suciu, L., Botean, A., SUCIU, M., Ros, V., 2013, *About The Mechanical Characteristics Determination for Desmopan Membrane by Digital Image Correlation Method*, Edited by: Olaru, A., Conference: 8th IEEE/IACSIT/SCIEI, International Conference on Optimization of the Intelligent Systems and Their Applications in Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechanics and Neurorehabilitation (OPTIROB 2013), Location: ROMANIA, Date: JUN 20-23, 2013, Book Series: Applied Mechanics and Materials, Volume: 332, Pages: 396-401, Published: 2014, **1 citare**, www.isiknowledge.com, www.scopus.com (CITAT IN: Botean, A., SUCIU, M., Suciu, L., Fecete, G., Bal, M., Gheres, S., Grozav, 2014, *ABOUT THE STUDY OF STRESSES FOR DESMOPAN MEMBRANE BY FINITE ELEMENTS METHOD (FEM)*, Journal of Asian Scientific Research, journal homepage: <http://www.aessweb.com/journals/5003>, Journal of Asian Scientific Research, 2014, 4(4): 207-213, www.scholargoogle.ro)

1.2. M., SUCIU, 2012, *About Buckling Bio-Composite Sandwich Bars*, Applied Mechanics and Materials, vol. 245, pp. 39-44, 2012, www.isiknowledge.com, www.scholargoogle.ro, www.scopus.com (ISI)

1.3. SUCIU, M., 2012, *About The Study of Bending Beam on Elastic Environment by Transfer-Matrix Method*, 7th International Conference on Optimization of the Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace - OPTIROB 2012, Location: Mamaia, ROMANIA, Date: JUN 21-23, 2012, Book Series: Applied Mechanics and Materials, Volume: 186, Pages: 149-155, DOI: 10.4028/www.scientific.net/AMM.186.149, Published: 2012, www.isiknowledge.com, www.scholargoogle.ro

1.4. SUCIU, M. 2012, *About the Study of the Springs Loaded with Uniform Radial Charge Density by Transfer-Matrix Method*, Edited by: Fan, W., Conference: 2nd International Conference on Advanced Material Research (ICAMR 2012) Location: Chengdu, PEOPLES R CHINA Date: JAN 07-08, 2012, ADVANCED MATERIALS RESEARCH II, PTS 1 AND 2 Book Series: Advanced Materials Research Volume: 463-464, Pages: 3-6, Published: 2012, www.isiknowledge.com, www.scholargoogle.ro

1.5. SUCIU, M., 2012, *Bending Study for Axially Symmetric Tapping Plates with Uniform Load at All Crown by Transfer-Matrix Method*, Edited by: Fan, W., Conference: 2nd International Conference on Advanced Material Research (ICAMR 2012) Location: Chengdu, P. R. CHINA, Date: JAN, 07-08, 2012, ADVANCED MATERIALS RESEARCH II, PTS 1 AND 2 Book Series: Advanced Materials Research, Volume: 463-464, Pages: 16-19, Published: 2012, www.isiknowledge.com, www.scholargoogle.ro

2. Teza de Doctorat

"Optimisation des coques axisymétriques: modélisation par Matrices-Transfert"
conducator : Prof. Univ. Dr. Ing. Jean GUILLOT, elaborata si sustinuta la INSA Toulouse, Franta, la **15 decembrie 1995**, apreciată de juriu, cu mențiunea "**Très Honorable**".

Diploma de Doctor-Inginer al I.N.S.A.Toulouse, Franta atribuită de către MESR din Frantei, prin INSA Toulouse, a fost echivalată de MEN din Romania, cu **Diploma de Doctor-Inginer în domeniul Științelor Inginerești** (Atestat nr. 1284 din 05.05.1999.).

3. Brevet de Inovatie

Petho, L., Cretu, A., **TRIPA (SUCIU) Mihaela**, Turos, M., 1987, *Matrita pentru turnarea modelelor fotoelastice pentru cilindrul si pistonul preseii hidraulice de 4 MN*, Certificat de Inovator nr. 554 din 31.03.1987

4. Carti si capitole in carti

a. Carti

1. **SUCIU, M.**, 2009, *Rezistenta Materialelor*, editia a II-a, Ed. Alma Mater Cluj-Napoca ISBN 978-606-504-079-3, 394 p.

2. **SUCIU, M.**, 2004, *Rezistenta Materialelor*, editia I, Ed. Alma Mater Cluj-Napoca ISBN 973-85153-7-8, 394 p.

3. **SUCIU, M.**, Suciu, L., 1999, *Rezistenta Materialelor*, vol. I, Ed. UTPRESS Cluj-Napoca, ISBN 973-9471-11-0, 144 p.

4. **SUCIU, M.**, Suciu, L., 2001, *Rezistenta Materialelor*, vol. 2, Ed. Alma Mater Cluj-Napoca, ISBN 973-85153-5-1, 137 p.

5. **SUCIU, M.**, Suciu, L., 2002, *Rezistenta Materialelor*, vol. 3, Ed. Alma Mater Cluj-Napoca, ISBN 973-85153-4-3, 193 p.

6. **SUCIU, M.**, Suciu, L., 2003, *Rezistenta Materialelor*, vol. I, editia a II-a, Ed. Alma Mater Cluj-Napoca, ISBN 973-8597-37-7, 220 p.

7. **M., SUCIU**, 2004, *Inteligența Artificială*, Ed. Alma Mater Cluj-Napoca, ISBN 973-8397-73-1, 228 p.

8. **M., SUCIU**, 2004, *Dictionar Explicativ de Inteligența Artificială*, Ed. Alma Mater Cluj-Napoca, ISBN 973-8397-74-X, 110 p.

9. **SUCIU, M.**, 2001, *Conceptie, Modelare, Optimizare*, Ed. Alma Mater Cluj-Napoca, ISBN 973-85153-4-3, 170 p.

b. Capitole in carti

1. Cretu, A., coordonator, ..., **SUCIU Mihaela**, 2001, *Tensiuni... Stresses... Contraintes...*, Ed. Mediamira Cluj-Napoca, ISBN 973-9358-89-6

2. Bejan, M., editor,..., **SUCIU Mihaela**, ..., 2012, *Managementul ecologic in sectoare calde*, Ed. Mega Cluj-Napoca, 858 p., PROIECTUL „Pregătire, instruire, educare în vederea asimilării de procese tehnologice inovative, îmbunătățirea practicilor manageriale si a protecției mediului în sectoarele calde”- POSDRU/81/3.2/S/55652 ISBN, 2012, Colecția STIINTA si TEHNICA, Coordonator: Prof. Univ. Dr. Ing. M. BEJAN, Cap. 13 - 58 p., Cap. 14 - 68 p., ISBN 973-662-124-3

3. Pastrav, I., Boanca, C., Miron, L., Cretu, A., Petho, L., Bejan, M., Hardau, M., Bal, N., Ilea, H., **TRIPA (SUCIU) Mihaela**, 1987, *Rezistenta Materialelor-Probleme*, lito IPC-N, 525 p., Cap. 6-53p.

4. Boanca, C., Miron, L., Petho, L., Hardau, M., **TRIPA (SUCIU) Mihaela**, 1991, *Rezistenta Materialelor. Metode numerice de calcul in domeniul plastic*, lito IPC-N, 398 p.-Cap. 1-15 p.

c. Indrumatoare de Lucrari de laborator

1. **M., SUCIU**, 2004, *Inteligența Artificială-Lucrari*, Ed. Alma Mater Cluj-Napoca, ISBN 973-8397-73-8, 66 p. - 7 lucrari

2. I., Păstrav, C., Boanca, L., Miron, A., Cretu, L., Petho, M., Hardau, M., Bejan, N., Bal, H., Ilea, **TRIPA (SUCIU) Mihaela**, 1986, *Indrumar de Laborator la Rezistenta Materialelor*, Lito IPC-N, 106 p. - Cap. 5. - Alte metode de analiza a tensiunilor-1 lucrare

5. Articole in extenso

5.1. **SUCIU, M.**, Paunescu, D., Balc, G., Suci, L., 2009, *ABOUT THE STUDY OF THE LONG RECTANGLE PLATE BY TRANSFER-MATRIX METHOD*, Conference: 20th International Danubia Adria, Association for Automation and Manufacturing Symposium, Location: Vienna, AUSTRIA, Date: NOV, 25-28, 2009, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Book Series: Annals of DAAAM and Proceedings, Volume: 20, Pages: 1379-1380, Published: 2009, www.isiknowledge.com, www.scholar.google.ro, www.scopus.com

5.2. **SUCIU, M.**, Balc, G., Paunescu, D., Bejan, M., 2009, *Studies about mechanical and thermal behaviour for the composite-fibers covered with*

metallizing by electrolysis, Metalurgia International, Volume 14, ISSUE 8, 2009, pp 31-32, , www.scopus.com, www.scholargoogle.ro (ISI)

- 5.3. SUCIU, M.**, Suciu, L., Balc, G., Paunescu, D., Bejan, M., 2009, *CALCULUS OF LONG CYLINDRICAL THIN WALL TUBE BY THE TRANSFER-MATRIX METHOD*, METALURGIA INTERNATIONAL 14, p. 21-28/2009, www.isiknowledge.com (ISI)
- 5.4. SUCIU, M.**, Suciu, L., Balc, G., Paunescu, D., Bejan, M., 2009, *Calculus of long cylindrical thin wall tube by the transfer-matrix method*, Metalurgia International, SPEC. ISSUE 11, 2009, www.scopus.com, www.scholargoogle.ro (ISI)
- 5.5. Balc, G., SUCIU, M.**, Bejan, M., Botean, A., Cioica, N., 2010, *CONTRIBUTIONS TO DETERMINATION OF BIODEGRADABLE PLASTIC MATERIAL CHARACTERISTICS*, METALURGIA INTERNATIONAL, Volume: 15, Issue: 12, Pages: 28-31, Published: 2010 - **1 citare**, www.isiknowledge.com, www.scholargoogle.ro (ISI); (CITAT IN: Pekez, Jasmina; Lambic, Miroslav; Stojadinovic, Slobodan; Vujicin, Kristijan, 2012, *ENERGY CHARACTERISTICS DEGRADATION OF POLYMER TRANSPARENTS COVER*, METALURGIA INTERNATIONAL, Volume: 17, Issue: 6, Pages: 47-49, Published: 2012, www.isiknowledge.com, www.scholargoogle.ro)
- 5.6. SUCIU, M.**, 2013, *About the bending calculus for circular tapping plates, embedded at the interior circumference, with uniform load at all the crown by transfer-matrix method*, 2nd International Conference on Intelligent Materials, Applied Mechanics and Design Science, IMAMD 2013; Guangzhou; China; 13 April 2013 through 14 April 2013; Code 97684, Volume 327, 2013, Pages 218-222, www.isiknowledge.com, www.scholargoogle.ro (ISI)
- 5.7. SUCIU, M.**, 2012, *About the study of bending beam on elastic environment by transfer-matrix method*, 7th International Conference on Optimization of the Mechanical Engineering, Manufacturing Systems, Robotics and Aerospace, OPTIROB 2012; Mamaia; Romania; 21 June 2012 - 23 June 2012; Code 92658, Book Series: Applied Mechanics and Materials, Volume 186, 2012, Pages 149-155, www.isiknowledge.com, www.scholargoogle.ro, www.scopus.com (ISI)
- 5.8. SUCIU, M.**, 2012, *Study of circular tapping plates, with a circumferential vertical load at the interior boundary by Transfer-Matrix Method*, 2nd International Conference on Advanced Material Research, ICAMR 2012; Chengdu; China; 7 January 2012 - 8 January 2012; Code 88640, Applied Mechanics and Materials, Volume 463-464, 2012, Pages 155-159, www.scopus.com, , www.isiknowledge.com, www.scholargoogle.ro (ISI)
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Process Engineering; Cincinnati, OH; United States; 29 October 2007 - 1 November 2007; Code 74312, 2007, 8p, www.scopus.com, www.scholargoogle.ro

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- 5.12.** Botean, A., SUCIU, M., Suciu, L., Fechete, G., Balc, M., Gheres, S., Grozav, 2014, *ABOUT THE STUDY OF STRESSES FOR DESMOPAN MEMBRANE BY FINITE ELEMENTS METHOD (FEM)*, Journal of Asian Scientific Research, journal homepage: <http://www.aessweb.com/journals/5003>, Journal of Asian Scientific Research, 2014, 4(4): 207-213, www.scholargoogle.ro
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- 5.14.** Grozav, S.-D., Onetiu, G., Bejan, M., SUCIU, M., Oprea, O.V., 2011, *A MODEL TO OBTAIN THE RELATIVE SPIRAL FEED DURING COLD ORBITAL DEFORMATION*, METALURGIA INTERNATIONAL, Volume: 16, Issue: 1, Pages: 38-43, Published: 2011, www.isiknowledge.com, www.scholargoogle.ro (ISI)
- 5.15.** Paunescu, D., SUCIU, M., Hancu, L., Suciu, L., 2009, *STUDY OF A COMPOSITE SANDWICH-BEAM WITH AN UNIFORM LOAD*, Edited by: Katalinic, B, Conference: 20th International Danubia Adria, Association for Automation and Manufacturing Symposium, Location: Vienna, AUSTRIA, Date: NOV, 25-28, 2009, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Book Series: Annals of DAAAM and Proceedings, Volume: 20, Pages: 1069-1070, Published: 2009, www.isiknowledge.com, www.scholargoogle.ro, www.scopus.com

- 5.16.** Hancu, L., Paunescu, D., Iancau, H., **SUCIU, M.**, 2009, *ASPECTS CONCERNING SOME POLYMERIC COMPOSITES BEHAVIOUR AT CRYOGENIC TEMPERATURES*, Conference: 20th International Danubia Adria, Association for Automation and Manufacturing Symposium, Location: Vienna, AUSTRIA, Date: NOV, 25-28, 2009, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Book Series: Annals of DAAAM and Proceedings, Volume: 20, Pages: 1607-1608, Published: 2009, www.isiknowledge.com, www.scholargoogle.ro, www.scopus.com
- 5.17.** Paunescu, D., Hancu, L., **Suciu, M.**, Paunescu, M.-V., 2010, *Isochromatic analysis of the groove axes for frame drafting*, Annals of DAAAM for 2010 and 21st International DAAAM Symposium "Intelligent Manufacturing and Automation: Focus on Interdisciplinary Solutions"; Zadar; Croatia; 20 October 2010 - 23 October 2010; Code 106301, Annals of DAAAM and Proceedings of the International DAAAM Symposium, 2010, Pages 447-448, , www.scopus.com, www.scholargoogle.ro
- 5.18.** L., Ghiolțean, M. S., Tripa, **M.-V.**, **SUCIU**, 2008, *INFLUENCE OF GEOMETRICAL AND FUNCTIONAL PARAMETERS ON THE BENDING VIBRATIONS OF TEXTILE SPINDLES*, 12th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2008, Istanbul, Turkey, 26-30 August, 2008, www.scholargoogle.ro
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- 5.21.** M., Bejan, N., Bal, **M.**, **SUCIU, C.**, Bal, 2003, *THE PRESSES RIGIDITY - QUALITY FACTOR IN THE PRODUCTS REALIZING*, 3rd Research/Expert Conference with International Participations, "QUALITY" 2003, Zenica, B&H, 13 - 14 November 2003, www.scholargoogle.ro
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- 5.26.** V.-M., TRIPA (SUCIU), M., HILBRANDT, M.-S. TRIPA, A., CRETU, J., GUILLOT, 1998, *ON THE CALCULUS OF THE AXISYMMETMCAL SHELLS WITH AXISYMMETRICAL LOADS USING THE TRANSFER-MATRIX METHOD*, EURISCON '98: The Third European Robotics, Intelligent Systems and Control Conference, Athens, Greece, 22-25 June 1998, pp. 215/234, www.scholargoogle.ro
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