

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic din
2009 (01.03.2009)- prezent

Numele și prenumele: SĂBĂILĂ LAVINIA IOANA (căsătorită CULDA LAVINIA IOANA)

Teza de doctorat. “Manipularea și depozitarea robotizată a buteliilor de oxigen și gaz metan”,
domeniul **Inginerie Industrială**, catedra de Mecatronică, coordonator: prof.dr.ing.Francisc Kovacs,
nov 2005, confirmat în ianuarie 2006, Politehnica Timișoara

1.Activitatea didactică și profesionala (A1)

1.1. Cărți/manuale/monografii/capitole în cărți de specialitate

1.1.1 Cărți/manuale/monografii/ capitole de specialitate ca autor

1.1.1.1. internaționale

1.1.1.2. naționale (edituri recunoscute)

1.1.1.2.1.[2021] CULDA LAVINIA IOANA, Tehnologii de prototipare rapidă, Editura
Gutenberg Univers, Arad, 2021, pag.152, ISBN 978-606-675-310-4

1.1.1.2.2.[2024] CULDA LAVINIA IOANA, Metode de modelare a sistemelor flexibile de
fabricatie, Editura Gutenberg Univers, ISBN 978-606-675-409-5, pag. 332, Arad, 2024

1.1.2 Cărți ca editor

1.1.2.1 internaționale

1.1.2.2 naționale

1.2. Alte materiale didactice – inclusiv în format electronic (pentru format electronic - echivalent format A4 text fără figuri cu minimum 3200 caractere inclusiv spații)

1.2.1. Suporturi de curs/ Îndrumare

- 1.2.1.1.[2006] Mortoiu Doina, SĂBĂILĂ LAVINIA, Babanatsas Theoharis, Gal Lucian,
AutoCad 2006, Partea I – Modelarea 2D, Îndrumător pentru uzul studenților, 134 pagini,
Editura Universității “Aurel Vlaicu”, Arad, 2006, ISBN (10) 973 – 752-087-4, ISBN (13)978-973-
752-087-6

- **1.2.1.2.[2009]** SĂBĂILĂ LAVINIA IOANA, Autocad: îndrumar de laborator, 228 pagini, Editura Universității “Aurel Vlaicu”, Arad, **2009**, ISBN 978-973-752-429-4
- **1.2.1.3.[2010]** SĂBĂILĂ LAVINIA IOANA, Ergonomie: note de seminar, 132 pagini, Editura Universității “Aurel Vlaicu”, Arad, **2010**, ISBN 978-973-752-470-6
- **1.2.1.4.[2018]** CULDA LAVINIA IOANA, Programarea mașinilor unelte și a roboților industriali Note de curs, Editura Universității "Aurel Vlaicu", **2018**, pag 104, ISBN 978-973-752-805-6
- **1.2.1.5.[2023]** CULDA LAVINIA IOANA, ELENA MUNCUȚ, ATILA. GERŐCS, Notiuni introductive în Roboți industriali, Editura Gutenberg Univers, Arad, **2023**, pag.322, ISBN 978-606-675-365-4
- **1.2.1.6.[2023]** CULDA LAVINIA IOANA, Tehnologii de prototipare rapidă- de la desen la reper - Note de curs și de laborator , Editura Gutenberg Univers, Arad, 2023, pag.228, ISBN 978-606-675-366-1
- **1.2.1.7.[2024]** CULDA LAVINIA IOANA, Tehnologii de presare la rece. Îndrumar proiectare, Editura Gutenberg Univers, Arad, 2024, pag.132, ISBN 978-606-675-399-9

1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă

Director/ Responsabil

1.4.Dezvoltare de noi discipline (se punctează o singură dată în cazul multiplicării lor în programe de studii diferite)

1.4.1.CIEF4O08 Desen tehnic și infografică 4 (2016-2017), Autovehiculerutiere, Licență, an 2

1.4.2.CIDF4O16 Desen tehnic și infografică 4 (2016-2017), Ingineria sudării, Licență, an 2

1.4.3.CIGD7O04 Programarea roboților și a masinilor unelte(2016-2017), Automatică și informatică aplicată, Licență, an 4

1.4.4.CIEF4O08 Desen tehnic și infografică4 (2017-2018), Ingineria sudării, Licență, an 2

1.4.5.CIGF7O01 Grafică asistată de calculator 3 (2018-2019), Automatică și informatică aplicată, Licență, an 4

1.4.6.CIAS6A19 Tehnologii de prototipare rapida (2020-2021), Tehnologia construcțiilor de mașini, Licență, an 3, îmbunătățită până în prezent

1.4.7.CIDS8O14 Mecanizarea, automatizarea și robotizarea proceselor de sudare (2015-2016), Ingineria sudării, Licență, an 4

2. Activitatea de cercetare (A2)

2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date

2.1.1. Reviste ISI

- [2022] **CULDA LAVINIA IOANA**, PORTABLE DEVICES IN THE FIGHT OF SARSCOV2, Technical University of Cluj-Napoca, Acta Technica Napocensis Series: Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special I, February, pg 81-86, pg6, 2022, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/1738>, <https://www.webofscience.com/wos/woscc/full-record/WOS:000773188500009>

Informații din jurnal	
SERIA ACTA TECHNICA NAPOCENSIS-MATEMATICĂ APLICATĂ MECANICA ȘI INGINERIE	0,3 Journal Impact Factor™ (2022)
ISSN 1221-5872	0,06 Journal Citation Indicator™ (2022)
Editorul actual UNIV TEHNIC CLUJ-NAPOCA, FAC DEPARTAMENT DE CONSTRUCȚII DE MAȘINI SISTEME ENG, B-DUL MUNCII NR 103 105, RM C01, CLUJ-NAPOCA CP 400 641, ROMANIA	
Factorul de impact al jurnalului Journal Citation Reports™	
Domenii de cercetare Mecanica	
Categoriile Web of Science Mecanica	

- [2023] Andrei KOMJATY, Attila GERÖCS, Elena WISZNOVSZKY, **CULDA LAVINIA IOANA**, SYSTEM FOR TRANSFORMING ROTATIONAL MOTION INTO UNIDIRECTIONAL LINEAR MOTION WITH THE HELP OF WEIGHTS MOUNTED ON RADIALLY SLIDING RODS, FOR AUTOMOTIVE/ SISTEM INERȚIAL DE TRANSFORMARE A MIȘCĂRII DE ROTAȚIE ÎN MIȘCARE LINIARĂ UNIDIREȚIONAL CU AJUTORUL UNOR GREUTĂȚI MONTATE PE TIJE RADIAL CULISANTE, Ingineria automobilului, Nr. 68 / septembrie 2023, pg.16-20, ISSN 1842 – 4074, FI <0,01, <http://siar.ro/wp-content/uploads/2023/08/rIA68-final.pdf>, <https://www.webofscience.com/wos/woscc/full-record/WOS:001101879400004>

Informații din jurnal	
INGINERIA AUTOMOBILULUI	0,01 Journal Citation Indicator™ (2022)
ISSN 1842-4074	
Editorul actual SOC AUTOMOTIVE ENGINEERS ROMANIA, SOC AUTOMOTIVE ENGINEERS ROMANIA, BUCURESTI 00000, ROMANIA	
Domenii de cercetare Inginerie	
Categoriile Web of Science Inginerie, mecanică	

- [2023] **CULDA LAVINIA IOANA**, Elena Stela Muncuț Wisznovszky and Attila Geröcs, **SIMULATION OF FEEDING OF MACHINE TOOLS USING ROBOT ARMS**, The 22 nd International Conference of Nonconventional Technologies - ICNcT 2023 Bistrița, 16-18 November 2023,

http://artn.ro/conference2023/Programe/PROGRAM_CONFERINTA_ICNcT_2023_modif.pdf

- [2024] Elena Stela WISZNOVSZKY, Attila GEROCS, **CULDA LAVINIA IOANA**, Andrei KOMJATY, Geza-Mihai ERDODI, **CHAIN TRANSMISSION MECHANISM USED TO REDUCE THE REACTION MOMENT FOR MACHINERY THAT PERFORMS ROTATIONAL MOVEMENT AROUND ITS OWN**, Series: Applied Mathematics, Mechanics, and Engineering, Vol. XX, Issue 2, sept., 2024, **va fi publicata in sept**
- [2024] **CULDA LAVINIA IOANA**, Elena Stela Muncuț Wisznovszky and Geza Mihai Erdodi, ETICHETAREA INTELIGENTĂ, UN PLUS DE CONTROL ASUPRA PRODUCȚIEI AUTOMATE A AUTOTURISMELOR/SMART LABELLING, MORE CONTROL OVER AUTOMATED CAR PRODUCTION, Ingineria automobilului Nr. 72 / septembrie 2024, ISSN 1842 – 4074s

2.1.2. Volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date

- [2009] **SĂBĂILĂ LAVINIA.**, Mortoiu D.,Sima Gh., **Holonic system for use in a gas bottling company**, Annals of The 20- th DAAAM International World Symposium „ Intelligent manufacturing& Automation :Teory, practice & Education , 25-28-th nov.2009, Viena, Austria , p.1250 , ISSN 1726-9679,

<https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600494>

Journal information	
ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM	
ISSN	1726-9679
Current Publisher	DAAAM INT VIENNA, VIENNA UNIV TECHNOLOGY, KARLSPLATZ 13, WIEN, A-1040, AUSTRIA
Research Areas	Automation & Control Systems; Engineering
Web of Science Categories	Automation & Control Systems; Engineering, Manufacturing

- [2009] Mortoiu D., **SĂBĂILĂ LAVINIA.**,Sima Gh., **Holonic Manufacturing System for safty system** ,Annals of The 20- th DAAAM International World Symposium „ Intelligent manufacturing& Automation :Teory, practice & Education , 25-28-th nov.2009, Viena, Austria , p.1247; ISSN 1726-9679,

<https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600492>

Journal information	
ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM	
ISSN	1726-9679
Current Publisher	DAAAM INT VIENNA, VIENNA UNIV TECHNOLOGY, KARLSPLATZ 13, WIEN, A-1040, AUSTRIA
Research Areas	Automation & Control Systems; Engineering
Web of Science Categories	Automation & Control Systems; Engineering, Manufacturing

- [2019] Elena-Stela Muncut, **CULDA LAVINIA IOANA**, Geza-Mihai Erdodi and Gheorghe Sima, **The welding program optimization of a S355 steel assembly used in agricultural machinery**, 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION -MSE 2019- June 5-7, Sibiu, Romania, vol. II,2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, MATEC Web of Conferences **2019**, 08014 (2019), EDP Sciences, DOI: 10.1051/mateconf/201929008014, 10 pags.

<https://www.matec->

[conferences.org/articles/mateconf/abs/2019/39/mateconf_mse2019_08014/mateconf_mse2019_08014.html](https://www.matec-conferences.org/articles/mateconf/abs/2019/39/mateconf_mse2019_08014/mateconf_mse2019_08014.html)

<https://www.webofscience.com/wos/woscc/full-record/WOS:000569367700104>

Journal information	
9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION	
ISSN	2261-236X
Current Publisher	E D P SCIENCES, 17 AVE DU HOGGAR PARC D ACTIVITES COUTABOEUF BP 112, F-91944 CEDEX A, FRANCE
Research Areas	Engineering
Web of Science Categories	Engineering, Manufacturing

- [2019] **CULDA LAVINIA IOANA**, Elena-Stela Muncut and Geza-Mihai Erdodi, **The analysis of the robotized handling of oxygen gas tanks with the help of the petri networks**, 9th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION - MSE 2019- June 5-7, Sibiu, Romania, vol. II,2019, Ed. a IX – a, ISSN 2559-2963, ISSN-L 2559-2963, MATEC Web of Conferences **2019**, 08006 (2019), EDP Sciences, DOI: 10.1051/mateconf/201929008006, 9 pags.

<https://www.matec->

[conferences.org/articles/mateconf/abs/2019/39/mateconf_mse2019_08006/mateconf_mse2019_08006.html](https://www.matec-conferences.org/articles/mateconf/abs/2019/39/mateconf_mse2019_08006/mateconf_mse2019_08006.html)

<https://www.webofscience.com/wos/woscc/full-record/WOS:000569367700096>

Journal information	
9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION	
ISSN	2261-236X
Current Publisher	E D P SCIENCES, 17 AVE DU HOGGAR PARC D ACTIVITES COUTABOEUF BP 112, F-91944 CEDEX A, FRANCE
Research Areas	Engineering
Web of Science Categories	Engineering, Manufacturing

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale**

Lucrări ISI pending și în BDI

2.2.1. Reviste BDI și B+

- [2013] Muncut Elena Stela, **CULDA LAVINIA IOANA**, Sima Gheorghe, Mortoiu Doina, **The study of increased height at MIG-CMT continuous or pulse combined braze-welding of the thin sheets of galvanized steel and aluminum**, Nonconventional Technologies Review, „Politehnica” Publishing House volume XVII no. 2/2013 ISSN: 1454-3087, pag.46-50 . CNCSIS B+
- [2020] **CULDA LAVINIA IOANA**, Muncut E.S., Komjaty A., **Robots E-Learning and Use of LEGO Kits When Building Hexapod**, ROBOTICA & MANAGEMENT, ISSN-L: 1453-2069; Print ISSN: 1453-2069; Online ISSN: 2359-9855, Editura Eftimie Murgu, Reșița, Vol. 25, Nr. 2:, pg 12-17, decembrie 2020 (cotat BDI)
http://robotica-management.uem.ro/fileadmin/Robotica/2020_2/RM_2020_2_Pag_01_Content.pdf
<http://robotica-management.uem.ro/index.php?id=733&L=0>
<https://journals.indexcopernicus.com/api/file/viewByFileId/1206607>
- [2022] Muncut E.S., **CULDA LAVINIA IOANA.**, **Automation of the Process for Obtaining the Safety Panel Used on a Road Vehicle**, ROBOTICA & MANAGEMENT, Vol. 27, No. 1, June 2022, Indexed by: DOAJ, EBSCO Host, Index Copernicus, pg.19-22, DOI: <https://doi.org/10.24193/rm.2022.1>,
<https://rm.reviste.ubbcluj.ro/issues/vol-27-no-1-june-2022/>,
https://rm.reviste.ubbcluj.ro/wp-content/uploads/2022/10/RM_2022_1_Pag_19_Muncut_ES.pdf
<https://journals.indexcopernicus.com/api/file/viewByFileId/1638172>
- [2023] **CULDA LAVINIA IOANA**, Muncut (Wisznovszky) E.S., **RFID Technology in Production and Post Production for the Automotive Industry**, ROBOTICA & MANAGEMENT, Vol. 28, No. 1, June 2023, Indexed by: DOAJ, EBSCO Host, Index Copernicus, pg.20-27, DOI: <https://doi.org/10.24193/rm.2023.1.3>,
https://rm.reviste.ubbcluj.ro/wp-content/uploads/2023/10/RM_2023_1_Pag_21_Culda_LI.pdf
<https://rm.reviste.ubbcluj.ro/issues/vol-28-no-1-june-2023>
<https://journals.indexcopernicus.com/api/file/viewByFileId/1869476>
- [2023] **CULDA LAVINIA IOANA.**, **Using ai in higher education in a pandemic context and beyond**, pg.46-51, The scientific heritage No 123 (2023), ISSN 9215 — 0365, DOI:10.5281/zenodo.10032984,

<https://zenodo.org/records/10032984>,

<http://www.scientific-heritage.com/wp-content/uploads/2023/10/The-scientific-heritage-No-123-123-2023.pdf> (Indexat Copernicus)

2.2.2. Volumele unor manifestări științifice indexate BDI și B+

- [2009] **SĂBĂILĂ LAVINIA IOANA**, Mortoiu D., Sima Gh., Radu I., **The future combat system network-SUGV**, Annals of the Oradea University, Fascicle of Management and Tehnological Engineering, CD-ROM Edition, Vol. VIII(XVIII), rezumat lucrare: pg.136, lucrare:799-804, nr.pg:6, Indexed by ULRICH`S Periodicals Directory **2009**, Oradea, ISSN: 1583-0691, **2009**, DOI: 10.15660/AUOFMTE.2009.1515,
<https://imt.uoradea.ro/auo.fmte/article.php?v1=2009>
https://imt.uoradea.ro/auo.fmte/files-2009/MECATRONICA_files/SABAILA%20Lavinia1.pdf
- [2009] **SĂBĂILĂ LAVINIA IOANA**, Mortoiu D., Sima Gh., Radu I., **Mechactronics of the DRL**, Annals of the Oradea University, Fascicle of Management and Tehnological Engineering, CD-ROM Edition, Vol. VIII(XVIII), rezumat lucrare:pg.137, lucrare:805-810, nr.pg:6, **Indexed by ULRICH`S Periodicals Directory 2009**, Oradea, ISSN: 1583-0691, **2009**, DOI: 10.15660/AUOFMTE.2009.1516,
<https://imt.uoradea.ro/auo.fmte/article.php?v1=2009>
https://imt.uoradea.ro/auo.fmte/files-2009/MECATRONICA_files/SABAILA%20Lavinia2.pdf
- [2013] Elena Stela Muncuț, **CULDA LAVINIA IOANA**, Gheorghe Sima, Doina Mortoiu, **The CMT braze-welded diffusion layer study on galvanized aluminium sheets**, ANNALS of the Oradea University, Fascicle of Mechanical and Technological Engineering, **2013** ISSN 1583-0691, DOI:10.15660/AUOFMTE.2013-1.2815,
<https://imt.uoradea.ro/auo.fmte/> (CNCSIS B+),
<https://imt.uoradea.ro/auo.fmte/files-2013-v1/Muncut%20Elena%20Stela.pdf>
- [2013] **CULDA LAVINIA IOANA**, Elena Stela Muncuț, Gheorghe Sima, Doina Mortoiu, **CAD/CAM Modeling and simulation, with the CATIA**, ANNALS of the Oradea University, Fascicle of Mechanical and Technological Engineering, **2013** ISSN 1583-0691, DOI:10.15660/AUOFMTE.2013-1.2782,
<https://imt.uoradea.ro/auo.fmte/> (CNCSIS B+),
<https://imt.uoradea.ro/auo.fmte/files-2013-v1/Culda%20Lavinia%20Ioana%201.pdf>
- [2019] E S Muncut, **CULDA LAVINIA IOANA**, G M Erdodi and G Sima, **8D complaint solving method in an automotive component processing company**, International Conference ANNUAL SESSION OF SCIENTIFIC PAPERS “IMT Oradea **2019**”, The Proceedings of

Conference IMT Oradea **2019**, ISSN 2501-5769(CD edition), IOP Conf. Ser.: Mater. Sci. Eng. **568** 012020, pp 102-106, 5pg.,

<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012020>

<https://www.webofscience.com/wos/author/record/AAH-1864-2019>

- **[2019]** **CULDA LAVINIA IOANA**, E S Muncut and Andrei Komjaty, **Rapid filament prototyping of a bionic hand**, International Conference ANNUAL SESSION OF SCIENTIFIC PAPERS “IMT Oradea **2019**”, The Proceedings of Conference IMT Oradea 2019, ISSN 2501-5796 (CD edition), Mater. Sci. Eng. **568** 012105 pp 583-587. , 5pg,
<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012105>
<https://www.webofscience.com/wos/author/record/AAH-1864-2019>
- **[2020]** Muncut Elena Stela; Erdodi, Geza Mihai; **CULDA LAVINIA IOANA**; Komjaty Andrei; Sirghie Cecilia, **Determination of speed and acceleration for a plane mechanism with the instantaneous rotation center method and euler's graf-analytical method using autocad mechanical**, Source: eLearning & Software for Education. **2020**, Vol. 2, p420-427. 8p. DOI: 10.12753/2066-026X-20-140,
<https://www.cceol.com/search/article-detail?id=1030984>
- **[2020]** BARBU, Ionel; KMJATY, Andrei; FOGORASI, Magdalena Simona; **CULDA LAVINIA IOANA**; BUCEVSCHI, Adina; KAMINSZKY, Robert **Teaching and e-learning about open-end spinning machine.**, Source: eLearning & Software for Education. **2020**, Vol. 3, p285-293. 9p. DOI: 10.12753/2066-026X-20-208,
<https://openurl.ebsco.com/EPDB%3Agcd%3A4%3A16099188/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A145727642&crl=c>
<https://www.cceol.com/search/article-detail?id=1028056>
- **[2021]** Andrei Komjaty, Elena Stela Wisznovszky (Muncut) and **CULDA LAVINIA IOANA**, **The Study on the influence of technological parameters on 3D printing with sla technology**, 10th International Conference on Manufacturing Science and Education – MSE 2021, Article Number 01003, Number of page(s) 6, Section: Design, Manufacturing and Management of Technological Equipment and System, DOI: <https://doi.org/10.1051/mateconf/202134301003>, Published online: 04 August 2021
https://www.matec-conferences.org/articles/mateconf/abs/2021/12/mateconf_mse21_01003/mateconf_mse21_01003.html
<https://www.webofscience.com/wos/author/record/AAH-1864-2019>
- **[2021]** **CULDA LAVINIA IOANA**, ES Muncut (Wisznovszky), GM Erdodi, **Transforming 3D printed CNC prototype into a plotter**, The Annual Session Of Scientific Papers - IMT Oradea

2021, IOP Conf. Series: Materials Science and Engineering 1169 (2021) 012013 IOP Publishing
doi:10.1088/1757-899X/1169/1/012013,

<https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012013/meta>

<https://www.webofscience.com/wos/author/record/AAH-1864-2019>

- [2022] A Geröcs, E Muncut (Wisznovszky), D Glăvan, A Komjaty, V Muller, GM Erdodi, **CULDA LAVINIA IOANA**, **Mathematical and graphical modelling of an inertial system that uses the force of inertia of a liquid**, The Proceedings of Conference IMT Oradea 2022, The Proceedings of Conference IMT Oradea 2022, 11 pg., IOP Conf. Ser.: Mater. Sci. Eng. 1256 012005, IOP Conf. Series: Materials Science and Engineering 1256 (2022) 012005 IOP Publishing
doi:10.1088/1757-899X/1256/1/012005,

<https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012005/pdf>

<https://www.webofscience.com/wos/author/record/AAH-1864-2019>

- [2023] Geröcs Attila, **CULDA LAVINIA IOANA**, Muncut Elena (Wisznovszky), Komjaty Andrei, **Designing An Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion**, Book Title:Acoustics and Vibration of Mechanical Structures — AVMS-2023, Book Subtitle: Proceedings of the 17th AVMS, Timișoara, Romania, May 26–27, 2023, ISBN 978-3-031-48086-7, Published 11 April 2024

https://link.springer.com/chapter/10.1007/978-3-031-48087-4_23

DOI https://doi.org/10.1007/978-3-031-48087-4_23

2.3 Articole în extenso în reviste/ volumele unor manifestări științifice naționale/ internaționale neindexate

2.3.1. Lucrări publicate în reviste (neindexate);

- [2009] **SĂBĂILĂ LAVINIA IOANA**, **3D PRINTING, A WAY OF MODERN RAPIDITLY PROTOTYPING**, Robotica & Management, Edited by the Romanian Society for Industrial Robotics, The Caras – Severin Country Council and the “Eftimie Murgu” University of Reșița, International Journal, Volumul14, no.1,pag 42-44, ISSN 1453-2069, **2009 (cotată B)**
- [2009] Mortoiu D., **SĂBĂILĂ LAVINIA.**, Tanasoiu A., „**Mechatronics Tehnology in Transport**”, International Jurnal,,Robotica & Management, vol.14, nr.1.june **2009**, ISSN 1453-2069, pag.38-41; **(cotată B)**
- [2009] **SĂBĂILĂ LAVINIA IOANA**, Gheorghe Sima, Doina M, **Quality, sensors, and holonic manufacturing system** Academic Journal of Manufacturing Engineering, volume 7, pag.72-77, ISSN 1583-7904, ISSUE 3/**2009 (cotat B)**

- [2009] Gheorghe Sima, Doina Mortoiu, **SĂBĂILĂ LAVINIA IOANA**, Holon, autonomy and cooperation for company Academic Journal of Manufacturing Engineering, volume 7 pag 90-95, ISSN 1583-7904, ISSUE3 /2009 (cotat B)

2.3.2. Lucrări în volume de conferințe cu referenți neindexate

- [2009] Radu I., Mortoiu D., Gal L., **SĂBĂILĂ LAVINIA IOANA**, Babanatsas T., But E, Speedy prototyping method, 14th International scientific conference-Quality and realibility of tehcnical systems, pag.191-193, ISBN 978-80-552-0222-8, Nitra **2009**
- [2009] Gheorghe Sima, Doina Mortoiu, **SĂBĂILĂ LAVINIA IOANA**, Gheorghe Hutiu, Management for holonic manufacturing, Annals of MteM for 2009& Proceedings of the 9th International MteM Conference Published by MteM 2009, pag 337-340, ISBN 973-7937-07-04, Cluj **2009** (cotat B) , ISBN 978-606-8372-02-0(pt 2011)
- [2009] **SĂBĂILĂ LAVINIA IOANA**, Doina Mortoiu, Gheorghe Sima, Company and Holonis system, Annals of MteM for 2009& Proceedings of the 9th International MteM Conference Published by MteM 2009,pag 341-344, ISBN 973-7937-07-04, Cluj **2009** (cotat B) ISBN 978-606-8372-02-0(pt 2011)
- [2010] Radu, I., Mortoiu Doina, Gal, L., **SĂBĂILĂ LAVINIA IOANA**, Muncuș Stela, Nicolae Ursu Fischer, Study of the execution elements with piston modeling and simulation, Symposium Research and Education in Innovation Era, 3rd Ed., Section Engineering, Arad, 10-12 nov., pag. 17-28, ISSN 1842-9718, **2010**, vezi lista de lucrari Radu Ioan publicat <https://cdn.uav.ro/documente-inginerie/Cadre/Lucrari/LISTA-LUCRARI-ST-RADU-I-2017.pdf>

2.4 Proprietate intelectuală, brevete de invenție și inovație, etc.

2.5 Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei,(justificată cu documente care să ateste încasarea sumei)

- Contract de cercetare, dezvoltare și consultanță. Proiect cu mediu economic: Proiectarea unui laborator pentru recondiționarea turbosuflantelor (nr de înregistrarea beneficiar 118/26.06.2024, executant nr. 5073/27.06.2024) – **director de proiect**
- Contract de cercetare, dezvoltare și consultanță. Proiect cu mediu economic: Proiectarea unui laborator pentru curățarea filtrelor de particule folosite la motoarele Diesel (nr de înregistrarea beneficiar 119/26.06.2024, executant nr. 5072/27.06.2024) – **membru**

2.6. Coordonare/dezvoltare laborator/centru cercetare (dacă laboratorul este și didactic, punctajul se ia în calcul o singură dată)

Dezvoltare Laboratorul 17 corpul B în colaborare cu Continental Timișoara -Laborator de robotică 2021 - până în ianuarie 2023 (dotare cu 34 stații de lucru)

<https://www.uav.ro/evenimente/dona%C8%9Bie-pentru-uav>

- Contract de sponsorizare **Continental Automotive Timisoara 14464/27.04.2021** înregistrat UAV Arad **4054** din **30.06.2021**, a **34** de calculatoare.folosite în actul educațional.
- Sponsorizare **Continental Automotive Timisoara pe baza procesului verbal 46693251/13.10.2019** înregistrat UAV Arad a **13** de monitoare trimise de la firma mama din Germania, folosite în actul educațional.

3. Recunoașterea și impactul activității (A3)

3.1 Vizibilitate în baze de date internaționale. Număr de citări în publicații (fără autocitări)

3.1.1 citări în articole indexate ISI 10/nr. autori articol citat

3.1.1.1.Lucrarea: **Holonic Manufacturing System for Safety Systems**, Mortoiu D., **SĂBĂILĂ LAVINIA**.,Sima Gh., 20 th DAAAM International World Symposium, Austrian Society of Engineers and Architects –OIAV 1848 , Annals of DAAAM & Proceedings, 2009, Viena, Austria , p.1247, ISBN 978-3-901509-70-4, ISSN 1726-9679

- **Citat în:** Aspectos tecnológicos del montaje y procesamiento de los tubos delgados (Artículo corto), Technological aspects of assembling and processing narrow tubes (Short paper), Sima, G., Hutiu, G., & Bocîi, L. S. (2012), Revista Facultad De Ingeniería Universidad DeAntioquia,(64), 195–199,

<http://www.scielo.org.co/pdf/rfiua/n64/n64a18.pdf>

<https://revistas.udea.edu.co/index.php/ingenieria/article/view/13153>

<https://www.webofscience.com/wos/woscc/full-record/WOS:000310722100018>

3.1.1.2.Lucrarea: **Holon,autonomy and cooperation for company**, SĂBĂILĂ LAVINIA IOANA Culda, Gheorghe Sima, Doina Mortoiu, Academic Journal of Manufacturing Engineering, Volume 7, Issue 3 /2009, Pages 90-95, ISSN 1583-7904

- **Citat în:** Aspectos tecnológicos del montaje y procesamiento de los tubos delgados (Artículo corto), Technological aspects of assembling and processing narrow tubes (Short paper), Sima, G., Hutiu, G., & Bocîi, L. S. (2012), Revista Facultad De Ingeniería Universidad De Antioquia, (64), 195–199., <https://doi.org/10.17533/udea.redin.13153>,

<http://www.scielo.org.co/pdf/rfiua/n64/n64a18.pdf>,

<https://revistas.udea.edu.co/index.php/ingenieria/article/view/13153>

<https://www.webofscience.com/wos/woscc/full-record/WOS:000310722100018>

3.1.1.3. Lucrarea: Study on the influence of technological parameters on 3D printing with SLA technology, Andrei Komjaty, Elena Stela Wisznovszky, Lavinia Ioana Culda, MATEC Web of Conferences, 2021

- **Citat în:** The effect of build orientation on the mechanical properties of a variety of polymer AM-created triply periodic minimal surface structures, February 2024 Journal of the Brazilian Society of Mechanical Sciences and Engineering 46(3), DOI: 10.1007/s40430-024-04709-0 (ISI), <https://www.webofscience.com/wos/allldb/full-record/WOS:001160745100003>

Journal information

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING

Publisher name: SPRINGER HEIDELBERG

Journal Impact Factor™

2.2 (2022) 2.2 (Five Year)

JCR Category	Category Rank	Category Quartile
ENGINEERING, MECHANICAL	79/136	Q3

Source: Journal Citation Reports 2022. Learn more

Journal Citation Indicator™

0.58 (2022) 0.61 (2021)

JCI Category	Category Rank	Category Quartile
ENGINEERING, MECHANICAL	75/179	Q2

3.1.1.3. Carte: Autocad 2006, partea I—modelarea 2d, Îndrumător pentru uzul studenților, Mortoiu Doina, Săbăilă Lavinia, Babanatsas Theoharis, Gal Lucian, Editura Universității “Aurel Vlaicu”, Arad, 2006

- **Citat în:** Hard as a Rock or Deformation Controlled?, Sima, G (Sima, Gheorghe) ; Glavan, DO (Glavan, Dan Ovidiu), Alexandru, P (Alexandru, Popa), Muncut, E (Muncut, E.), SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 1, Volume356Page135-140PartI, DOI10.1007/978-3-319-18296-4_11, Book Series Advances in Intelligent Systems and Computing,2016, Indexed 2016-01-01, Proceedings Paper, Conference Meeting6th International Workshop on Soft Computing Applications (SOFA), LocationTimisoara, ROMANIA, Date JUL 24-26, 2014, SOFT COMPUTING APPLICATIONS, (SOFA 2014), VOL 1, ISSN 2194-5357, eISSN 2194-5365, Current Publisher SPRINGER INTERNATIONAL PUBLISHING AGGEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND, <https://www.webofscience.com/wos/allldb/full-record/WOS:000452853200011>
- **Citat în:** HIGH PRECISION WITH REAL TIME CORRECTION IN MANUFACTURING, Sima, G (Sima, Gheorghe), Glavan, D (Glavan, Dan), Popa, A (Popa, Alexandru), Mortoiu, D (Mortoiu, Doina), AKTUALNI ZADACI MEHANIZACIJE POLJOPRIVREDE Volume43Page387-394, Book Series Actual Tasks on Agricultural Engineering-Zagreb,

Book Subtitle ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Published 2015, Indexed 2016-04-27, Document Type Proceedings Paper, Journal information AKTUALNI ZADACI MEHANIZACIJE POLJOPRIVREDE, ISSN 1848-4425, <https://www.webofscience.com/wos/alldb/full-record/WOS:000373450700034>

3.1.2. citări în articole indexate BDI 5/nr. autori articol citat

3.1.2.1. Lucrarea: TEACHING AND E-LEARNING ABOUT OPEN-END SPINNING MACHINE, Barbu Ionel, Fogorasi Magdalena Simona, Komjaty Andrei, Bucevschi Adina, Culda Lavinia, Robert Kaminszky, The 16th International Scientific Conference, eLearning and Software for Education, Bucharest, April 11-12, 2020, Volume 3 | DOI: 10.12753/2066-026X-20-208 | Pages: 285-293

https://www.researchgate.net/publication/341232419_TEACHING_AND_E-LEARNING_ABOUT_OPEN-END_SPINNING_MACHINE/citations

- **Citata în: Transforming 3D printed CNC prototype into a plotter** LI Culda, ES Muncut (Wisznovszky) and GM Erdodi Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 1169, The Annual Session Of Scientific Papers (IMT Oradea 2021) 27th-28th May 2021, Oradea, Romania , <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012013/meta> (BDI)
- **Citata în: TEACHING AND E-LEARNING ABOUT DRAW FRAME MACHINE.** BARBU, Ionel; BUCEVSCHI, Adina; KOMJATY, Andrei; FOGORASI, Magdalena Simona; DOCHIA, Mihaela; PUSTIANU, Monica; KAMINSZKY, Robert, eLearning & Software for Education . 2021, Vol. 3, p90-97. 8p. <https://www.cceol.com/search/article-detail?id=1030535> (BDI)

3.1.2.2. Lucrarea: Study on the influence of technological parameters on 3D printing with SLA technology, Andrei Komjaty, Elena Stela Wisznovszky, Lavinia Ioana Culda, MATEC Web of Conferences, 2021,

https://www.researchgate.net/publication/353682192_Study_on_the_influence_of_technological_parameters_on_3D_printing_with_sla_technology/citations

- **Citata în: Preliminary study for the development of an autonomous system for emulating mandibular bone drilling**, Leonardo Riva, Roberto Pagani, Antonio Fiorentino, Alberto Borboni and Elisabetta Ceretti, International Journal of Mechatronics and Manufacturing Systems Vol. 15, No. 2-3, <https://doi.org/10.1504/IJMMS.2022.124923>, <https://www.inderscienceonline.com/doi/abs/10.1504/IJMMS.2022.124923>

<https://www.researchgate.net/publication/361873953> Preliminary study for the development of an autonomous system for emulating mandibular bone drilling (revista BDI)

- **Citata în:** Automation of the Process for Obtaining the Safety Panel Used on a Road Vehicle, Elena Stela Muncut, Lavinia Ioana Culda Săbăilă, June 2022 Robotica & Management 27(1):19-22, DOI: 10.24193/rm.2022.1.4,

<https://www.researchgate.net/publication/365499330> Automation of the Process for Obtaining the Safety Panel Used on a Road Vehicle

3.1.2.3. Lucrarea: Transforming 3D printed CNC prototype into a plotter, LI Culda, ES Muncut (Wisznovszky) and GM Erdodi, Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 1169, The Annual Session Of Scientific Papers (IMT Oradea 2021) 27th-28th May 2021, Oradea, Romania(BDI), https://scholar.google.com/citations?view_op=view_citation&hl=en&user=BzpjQwwAAAAJ&citation_for_view=BzpjQwwAAAAJ:4DMP91E08xMC

- **Citată în:** Exploring Creative applications in the Digital Age: A review of Computer Numerical Controlled Plotter, DOI: 10.1109/ICMEAS58693.2023.10379222, Conference: 2023 2nd International Conference on Multidisciplinary Engineering and Applied Science (ICMEAS), <https://ieeexplore.ieee.org/abstract/document/10379222> November 2023

3.1.2.4. Lucrarea: RAPID FILAMENT PROTOTYPING OF A BIONIC HAND LI Culda, ES Muncut, A Komjaty Annual Session of Scientific Papers "IMT ORADEA 2019 IOP Conf. Series: Materials Science and Engineering 568 (2019) 012105 IOP Publishing doi:10.1088/1757-899X/568/1/012105, https://scholar.google.com/citations?view_op=view_citation&hl=en&user=BzpjQwwAAAAJ&citation_for_view=BzpjQwwAAAAJ:qjMakFHDy7sC

- **Citata in: The Design and Characterization of a 3D Printed Venturi Tube** Joshua E. Hrisko - July 25, 2020

https://static1.squarespace.com/static/59b037304c0dbfb092f894/t/5f1c740e33dc544479035a16/1595700242234/the_design_and_characterization_of_a_3d_printed_venturi_tube_joshua_hrisko.pdf(BDI)

- **Citata in:** Study on the influence of technological parameters on 3D printing with sla technology, Andrei Komjaty, Elena Stela Wisznovszky (Muncut), and Lavinia Ioana Culda , May 2021 MATEC Web of Conferences 343(9):01003, DOI: 10.1051/mateconf/202134301003, Conference: ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA 2021, Oradea, <https://mro-ns.massey.ac.nz/handle/10179/15967>

3.1.2.5. Lucrarea: DETERMINATION OF SPEED AND ACCELARATION FOR A PLANE MECHANISM WITH THE INSTANTANEOUS ROTATION CENTER METHOD AND

EULER'S GRAF-ANALYTICAL METHOD USING AUTOCAD MECHANICAL. Elena Stela MUNCUT, Geza Mihai ERDODI, Lavinia Ioana CULDA, Andrei Komjaty, Cecilia Sirghie, Conference proceedings of »eLearning and Software for Education« (eLSE) eLearning & Software for Education . 2020, Vol. 2, p420-427. 8p.

https://www.researchgate.net/publication/360259388_DETERMINATION_OF_SPEED_AND_ACCELERATION_FOR_A_PLANE_MECHANISM_WITH_THE_INSTANTANEOUS_ROTATION_CENTER_METHOD_AND_EULER'S_GRAF-ANALYTICAL_METHOD_USING_AUTOCAD_MECHANICAL/citations

- **Citata in: Transforming 3D printed CNC prototype into a plotter**, LI Culda, ES Muncut (Wisznovszky) and GM Erdodi Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 1169, The Annual Session Of Scientific Papers (IMT Oradea 2021) 27th-28th May 2021, Oradea, Romania https://www.researchgate.net/publication/353856034_Transforming_3D_printed_CNC_prototype_into_a_plotter (BDI)
- **Citata in: Designing An Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion**, ovember 2023, DOI: 10.1007/978-3-031-48087-4, In book: Acoustics and Vibration of Mechanical Structures — AVMS-2023. Chapter: Designing an Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion. Publisher: Springer Nature Corrections Team https://www.researchgate.net/publication/375895760_Designing_An_Inertial_System_for_Transforming_Rotational_Motion_into_Unidirectional_Linear_Motion (BDI)

3.1.2.6. Lucrarea: The welding program optimization of a S355 steel assembly used in agricultural machinery, Elena-Stela Muncut, Lavinia-Ioana Culda, Geza-Mihai Erdodi, Gheorghe Sima, MATEC Web of Conferences 290, 08014 (2019),

<https://doi.org/10.1051/mateconf/201929008014> MSE 2019,
https://www.matec-conferences.org/articles/mateconf/pdf/2019/39/mateconf_mse2019_08014.pdf
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=BzpjQwwAAAAJ&citation_for_view=BzpjQwwAAAAJ:2osOgNQ5qMEC

- **Citata in: FLEXIBLE ROBOTIC LINE FOR THE PROCESSING OF CAR RIMS AND PRODUCT IMPROVEMENT USING FINITE ELEMENT SIMULATION**, Andrei Komjaty¹, Elena Stela Muncut, Geza Mihai Erdodi, Revista de Tehnologii Neconventionale; Sibiu Vol. 23, Iss. 4, (Dec 2019), <https://www.proquest.com/openview/170ffb571c1d430c474d99830e7262be/1?pq-origsite=gscholar&cbl=366251>

https://scholar.google.com/scholar?oi=bibs&hl=en&cites=9855241340553000991&as_sdt=5

(BDI)

3.1.2.7. Lucrarea: PORTABLE DEVICES IN THE FIGHT OF SARSCOV2, Culda Lavinia, May 2022, Applied Mathematics and Mechanics Vol. 65(Issue Special I):81,

https://www.researchgate.net/publication/360486088_PORTABLE_DEVICES_IN_THE_FIGHT_OF_SARSCOV2/citations

- **Citata in:** Designing An Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion, ovember 2023, DOI: 10.1007/978-3-031-48087-4, In book: Acoustics and Vibration of Mechanical Structures — AVMS-2023.Chapter: Designing an Inertial System for Transforming Rotational Motion into Unidirectional Linear Motion.Publisher: Springer Nature Corrections Team, https://www.researchgate.net/publication/375895760_Designing_An_Inertial_System_for_Transforming_Rotational_Motion_into_Unidirectional_Linear_Motion (BDI)

3.1.2.8. Lucrarea: 8D COMPLAINT SOLVING METHOD IN AN AUTOMOTIVE COMPONENT PROCESSING COMPANY, E S Muncut , L I Culda G M Erdodi and G Sima

IOP Conf. Series: Materials Science and Engineering 568 (2019) 012020 IOP Publishing doi:10.1088/1757-899X/568/1/012020 Annual Session of Scientific Papers "IMT ORADEA 2019,

https://www.researchgate.net/publication/335872321_8D_complaint_solving_method_in_an_automotive_component_processing_company/citations

- **Citata in:** Aplicação do método simplex para maximizar o uso da matéria-prima na fabricação de semicondutores e reduzir o tempo de cálculo na preparação dos lotes para produção, Lucian Araujo da SilvaIracyanne Retto UhlmannIracyanne Retto Uhlmann, May 2022, Conference: X Simpósio de Engenharia de Produção - SIMEP 2022, DOI: 10.29327/xsimep.472492, https://www.researchgate.net/publication/367709962_Aplicacao_do_metodo_simplex_para_maximizar_o_uso_da_materia-prima_na_fabricacao_de_semicondutores_e_reduzir_o_tempo_de_calculo_na_preparacao_dos_lotes_para_producao
- **Citata in:** Transforming 3D printed CNC prototype into a plotter, LI Culda, ES Muncut (Wisznovszky), GM Erdodi, May 2021IOP Conference Series Materials Science and Engineering 1169(1):012013, DOI: 10.1088/1757-899X/1169/1/012013, Conference: ANNUAL SESSION OF SCIENTIFIC PAPERS IMT ORADEA 2021At: Oradea, https://www.researchgate.net/publication/353856034_Transforming_3D_printed_CNC_prototype_into_a_plotter

3.1.3 citări în alte publicații 3/nr. autori articol citat

3.1.3.1. Lucrarea: 8D COMPLAINT SOLVING METHOD IN AN AUTOMOTIVE COMPONENT PROCESSING COMPANY, E S Muncut , L I Culda, G M Erdodi and G Sima IOP Conf. Series: Materials Science and Engineering 568 (2019) 012020 IOP Publishing doi:10.1088/1757-899X/568/1/012020 Annual Session of Scientific Papers "IMT ORADEA 2019" https://scholar.google.com/scholar?oi=bibs&hl=en&cites=17957665524614616892&as_sdt=5

- **Citata in: Strategies to Reduce Nonconformance of Parts in Aerospace Manufacturing** Lloyd, John Louis, Jr. Walden University ProQuest Dissertations Publishing, 2022. 29169693. <https://www.proquest.com/openview/bf204bf92fb0eb6d7d081e5fb39fdf6d/1?pqorigsite=gscholar&cbl=18750&diss=y> (teza)

3.1.3.2. Lucrarea: RAPID FILAMENT PROTOTYPING OF A BIONIC HAND LI Culda, ES Muncut, A Komjaty Annual Session of Scientific Papers "IMT ORADEA 2019" IOP Conf. Series: Materials Science and Engineering 568 (2019) 012105 IOP Publishing doi:10.1088/1757-899X/568/1/012105, https://scholar.google.com/scholar?oi=bibs&hl=en&cites=4927178467750270120&as_sdt=5

- **Citata in: 3D printing of textured soft meat analogues** Tianxiao Wang, A thesis presented in partial fulfilment of the requirements for the degree Of Master of Food Technology At Massey University, Palmerston North, New Zealand 2020 <https://mro.massey.ac.nz/bitstream/handle/10179/15967/WangMFoodTechThesis.pdf?sequence=2&isAllowed=y> (teza)

3.1.3.3. Lucrarea: THE CMT BRAZE-WELDED DIFFUSION LAYER STUDY ON GALVANIZED ALUMINIUM SHEETS, Elena Stela MUNCUT, Lavinia Ioana CULDA, Gheorghe SIMA , Doina MORTOIU, ANNALS OF THE ORADEA UNIVERSITY Fascicle of Management and Technological Engineering ISSUE #1, MAY 2013, pg 219- 222 <http://www.imtuoradea.ro/auo.fmte> , https://scholar.google.com/scholar?oi=bibs&hl=en&cites=157858437761732798&as_sdt=5

- **Citata in: SAVUNMA SANAYİSİNDE CMT UYGULAMALARININ İNCELENMESİ** Uğur ERSOY T.C. SAKARYA UYGULAMALI BİLİMLER ÜNİVERSİTESİ LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ Ocak 2019 https://acikbilim.yok.gov.tr/bitstream/handle/20.500.12812/222400/yokAcikBilim_10237800.pdf?sequence=-1&isAllowed=y (teza)

3.1.3.4. Lucrarea: The analysis of the robotized handling of oxygen gas bottles with the help of the Petri networks, Culda, Lavinia; Muncuț, Elena Stela; Geza Mihai Erdodi. MATEC Web of Conferences; Les Ulis, Vol. 290, (2019). DOI:10.1051/matecconf/201929008006, <https://www.proquest.com/openview/568e2b3056f42250849fa1c4b62a1f39/1?pq-origsite=gscholar&cbl=2040549>

https://scholar.google.com/scholar?oi=bibs&hl=en&cites=629263292377517840&as_sdt=5

- **Citata în:** Modélisation et optimisation de systèmes complexes: application aux systèmes de flux de personnes, Z LOUHAB – 2024, <https://www.univ-mascara.dz/wp-content/uploads/2024/03/Affichage-souy-Louhab-Zouaoui.pdf>

3.1.3.5.Lucrarea: Study on the influence of technological parameters on 3D printing with SLA technology, Andrei Komjaty, Elena Stela Wisznovszky, Lavinia Ioana Culda, MATEC Web of Conferences, 2021,

https://scholar.google.com/scholar?oi=bibs&hl=en&cites=13538485965061682626&as_sdt=5

- **Citata în: Creating a Modified Toothbrush Handle with a 3D Printer**, Y Widiastuti, S Widiati, IT Soeprihati, G Adistyawan - Indonesian Archives of ..., 2022

3.2 Prezentări efectuate ca invitat/invitată în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv Erasmus)

3.2.1 în străinătate

3.2.2 în țară

3.3 (a) Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice/(b) Recenzent pentru reviste și manifestări științifice naționale și internaționale indexate ISI Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare științifică

3.3.1 indexate ISI

3.3.2 indexate BDI

- **Membru in comitetul de organizare a** :The 15th, Conference Of Nonconvetional Technologies, ICNcT2011, A 15-a Conferinta de Tehnologii Neconventionale 2011 - Asociatia Romana pentru Tehnologii Neconventionale 15th International Conference of Nonconventional Technologies (ICNcT 2011). The Conference will be held in Arad, University Aurel Vlaicu of Arad, (Romania), 4-5 November 2011, and it is organized by the Romanian Association for Nonconventional Technologies (ARTN/RANcT), the POLITEHNICA University of Timișoara, Mechanical Engineering Faculty, Mechanical Technology Chair, and the, University Aurel Vlaicu of Arad, Engineering Faculty, MachineManufacturing TechnologyDepartment, with the support of MINISTRY OF EDUCATION, RESEARCH, YOUTH AND SPORTS, National Authority for Scientific Research. The Organizing Committee intends to continue the tradition of the last `40 years international conferences series, by joining specialists from universities, specialized research institutes and industry, to share their major achievements in the field of nonconventional manufacturing technologies. In order to achieve the desired scientific level, the International

Scientific Committee will evaluate the papers and will notify the authors about any suggestions and observations, before final paper submission. Conferences Proceedings will be published in Nonconventional Technologies Review and a special CD-ROM will be issued (www.revtn.ro) - NONCONVENTIONAL TECHNOLOGIES REVIEW, p-ISSN 1454-3087, quarterly, accredited journal CNCISIS B+, IC Value - Expected 2010 4.74 (2010). CONFERENCE TOPIC is about dimensional manufacturing using equipment and nonconventional technologies.

<http://artn.ro/conference2011/>

<http://artn.ro/conference2011/comitee.html>

3.3.3 **naționale și internaționale neindexate**

3.3.3.1. Membru în comitetul de organizare al manifestărilor științifice, co-organizator de manifestări științifice naționale, neindexate

3.3.3.1.1. Membru în colectivul de organizare The International Students Scientific Communications Session of the Engineering Faculty at Aurel Vlaicu University of Arad is now in its 26th edition. <https://cdn.uav.ro/documente-inginerie/Manifestari-Studentesti/programSICSS2024.pdf>

3.3.3.1.2. Membru în colectivul de organizare The 25th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad, Editia XXV - 7-8 Iunie 2023, ARAD, ROMANIA <https://cdn.uav.ro/documente-inginerie/Manifestari-Studentesti/Program-Sesiunea-studenti-XXV-2023.pdf>

3.3.3.1.3. Membru în colectivul de organizare -Sesiunea Internațională de comunicări științifice studentești a Facultății de Inginerie UAV, ediția XXIV – 2022, ARAD, 15-16 June 2022 <https://cdn.uav.ro/documente-inginerie/Manifestari-Studentesti/Program-Sesiunea-studenti-XXIV-2022.pdf>

3.3.3.1.4. Membru în colectivul de organizare Sesiunea internațională de comunicări științifice studentești a Facultății de Inginerie din cadrul Universității "Aurel Vlaicu" din Arad, editia a XXIII-a, 2021 ARAD, ROMANIA, <https://issscarad2021.netlify.app>

3.3.3.1.5. Membru în colectivul de organizare The 22th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad June 27 2020, ARAD, ROMANIA, https://issscarad2020.webnode.ro/?fbclid=IwAR1cyWaAfnJinOjClJMlsLk-GyXeHIS_rYuyJwoi4NL94ZICG2v_9_4hwGc

3.3.3.1.6. Membru în colectivul de organizare The 21th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad 17 -19 Iunie **2019**, ARAD, ROMANIA <https://sicssarad2019.webnode.ro/comitet>

3.3.3.1.7. Membru în colectivul de organizare The 20th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad 7-9 Iunie **2018**, ARAD, ROMANIA <https://sicssarad2018.webnode.ro/comitet>

3.3.3.1.8. The 19th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad June 6-8 Iunie **2017**, ARAD, ROMANIA <https://sesiunea-de-comunicari-stiintifice-studentesti.webnode.ro/comitet>

3.3.3.1.9. Membru în colectivul de organizare The 18th Edition of the International Students Scientific Communications Session of the Engineering Faculty of Aurel Vlaicu University from Arad June 19-25 mai 2016, ARAD, ROMANIA, <https://cdn.uav.ro/documente-inginerie/2010-2016-Sesiuni-stiintifice-studentesti.pdf> , pg3

3.3.3.2. Recenzor pentru reviste și manifestări științifice naționale

3.4 Experiență de management, analiză și evaluare în cercetare și/sau învățământ

3.4.1 Conducere

3.4.2 Membru

3.4.2.1. Membru în Comisia de admitere a UAV

- Membru comisie de admitere 2006-2024 (18 ani- 4 ani concediu creștere copil)

3.4.2.2. Membru în Comisia de orar și programarea examenelor în cadrul Facultății de Inginerie UAV

- Decizia nr 428 din 28.09.2021
- Decizia nr 775 din 29.09.2022
- Decizia nr x din 2023 – situl UAV <https://inginerie.uav.ro/cadre-didactice/information-for-teachers>,

3.4.2.3. Membru în Comisia pentru proiecte și revistă

- Decizia nr 428 din 28.09.2021
- Decizia nr 775 din 29.09.2022
- Decizia nr x din 2023 – situl UAV <https://inginerie.uav.ro/cadre-didactice/information-for-teachers>

3.4.2.4. Membru în Comisia pentru evaluarea calității

- Decizia nr 442 din 04.08.2020
- Decizia nr 428 din 28.09.2021

- Decizia nr 775 din 29.09.2022
- Decizia nr x din 2023 – situl UAV <https://inginerie.uav.ro/cadre-didactice/information-for-teachers>

3.4.2.5. Membru in Comisia de licența

- Membru in Comisia de licența TCM iunie 2012
Decizia nr 213 din 18.05.2012
- Membru in Comisia de licența TCM iunie 2011
Decizia nr 47 din 17.02.2011

3.4.2.6. Membru in Consiliul Facultății din 2024

- <https://inginerie.uav.ro/cadre-didactice/information-for-teachers>

3.4.2.7. Membru comisia de concurs pe post

Decizia nr 389 din 03.06.2024

3.5 Premii

3.5.1 Academia Română

3.5.2 ASAS, AOSR, academii de ramură și CNCS

3.5.3 premii internaționale

3.5.4 premii naționale în domeniu

[2010] **SĂBĂILĂ LAVINIA IOANA**, Automation of storing GPL recipients, The XIV=th international exhibition of research , innovation and tehnological transfer – Inventica 2010, Medalia de aur , Iași 2010

3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării

3.6.1 Academia Română

3.6.2 ASAS, AOSR și academii de ramură

3.6.3 Conducere asociații Profesionale

3.6.3.1 internaționale

3.6.3.2 naționale

3.6.4 Asociații profesionale

3.6.4.1 internaționale

3.6.4.2 naționale

3.6.4.2.1.Membru AGIR din 2019- prezent

3.6.4.2.2.Membru in Asociația de Robotică din România din anul 2021- prezent

3.6.4.2.3.Membru în ASOCIAȚIA ROMÂNĂ PENTRU TEHNOLOGII

3.6.5 Organizații în domeniul educației și cercetării

3.6.5.1 Conducere

3.6.5.2 Membru

Revistă lunară de cultură științifică și tehnică

2007

- **SĂBĂILĂ LAVINIA IOANA, Chirurgia asistată de calculator**, Știință și tehnică, Anul LIX, nr.5,pag 48-49, ISSN 1220-6555, mai 2007 în calitate de publicist și colaborator
- **SĂBĂILĂ LAVINIA IOANA, Aplicații haptice în medicină**, Știință și tehnică, Anul LIX, nr.6,pag 48-49, ISSN 1220-6555, iunie 2007 în calitate de publicist și colaborator

1. **Menționată în : Lista specialiștilor 2002, poziția 405**

2. **Premii**

[2010] **SĂBĂILĂ LAVINIA IOANA, Automation of storing GPL recipients**, The XIV=th international exhibition of research , innovation and tehnological transfer – Inventica 2010, Medalia de aur , Iași 2010