

## LISTA DE LUCRĂRI

### LUCRĂRI RELEVANTE

1. Ilea, S., **Pop, P.A.**, "Some aspects regarding the recycling of composite materials used in automotive", ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue Special SI, Nr.5, October, 2023, pp.391-398. ISSN: 1221-5872, WOS:001267255200019, Indexat in 24 iulie 2024, (IMP=0,2 in 2024).
2. **Petru A. Pop**, Juan Lopez-Martinez, Iulian Stanase, I and Sandu Ilea, *Characterization of sliding bimetallic bearings from steel-bronze obtained from horizontal centrifugal casting*, BALTICA, Journal 2024, 37(7), ISSN: 0067-3064, pp. 21-36, <https://doi.org/10.59879/At1Y5>, (IMP-0727 in 2024), In curs de indexare ISI Web of Science
3. Jorda-Vilaplana, A., Carbonell-Verdu, A., Samper, M.D., **Pop, A.** & Garcia-Sanoguera, D. (2017), "Development and characterization of a new natural fiber reinforced thermoplastic (NFRP) with Cortaderia selloana (Pampa grass) short fibers", Composites Science and Technology (COMPOS SCI TECHNOL), Volume: 145, Pages: 1-9, ISSN: 0266-3538, eISSN: 1879-1050, DOI: 10.1016/j.compscitech.2017.03.036 Published: JUN 16 2017, Elsevier Ed., IDS No. EV6MN, (IMP-5,429 in 2017, Q1, zona roșie), 2017. WOS:000401883600001
4. **Pop, P.A.**, Luca-Motoc, D., "Experimental research about characterization of novel porous composites with special applications", Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 17, No. 7-8, July – August 2015, p. 943 – 951, ISSN: 1454-4164, eISSN: 1841- 7132, 2015. WOS:000359967600006
5. Luca-Motoc, D., Ferrándiz Bou, S., **Pop, P.A.**, "Particle reinforced composites` elastic properties retrieval by aid of laser generated ultrasound waves", Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 17, No. 7-8, July – August 2015, p. 1032 – 1037, ISSN: 1454-4164, eISSN: 1841-7132, 2015, WOS:000359967600020
6. Luca-Motoc, D., **Pop, P.A.**, Bejinaru-Mihoc, G., "A perspective in sizing the main influencing factors on the thermal properties of different metal/non-metal powders", 7th International Conference on Materials Science and Engineering – BRAMAT 2011, Poiana Brasov, Romania, 24-26 February, 2011, Metalurgia International J., Vol. XIV (2011), No.4, pp.97-100, ISSN 1582-2214, 2011.WOS:000289186700023
7. **Pop, P.A.**, Lazar, L, Marcu, F., "Enhancing the sport performance and quality life of athletes by applying of WBV method", Proceedings of ASME Congress & Exposition Phoenix, AZ, USA, Nov. 15-21, 2016, Book Group Author, Vol. 3, Article Number: UNSP V003T04A019, pp. 9 pages, ISBN 978-0-7918-5053-4, ASME International, 2017, IDS No. BH2NE, Accession Number: WOS:000399060400019.
8. Luca-Motoc, D., **Pop, P.A.**, Ferrándiz Bou, S., Dadirlat, N., "Tailoring thermal properties of hybrid glass fibers/carbon fibers reinforced polymeric composites", Proceedings of ASME Congress & Exposition Denver, CO, USA, Nov.11-17, 2011, ASME Book Group Authors, Vol. 8, pp.607-612, ISBN 978-0-7918-5494-5, ASME International New York, 2012.WOS:000324956000078
9. **Pop, P.A.**, Luca-Motoc, D., Bejinaru-Mihoc, G., "Sizing extreme environmental condition influences on the multiphase polymeric composites' CTE" Proceedings of ASME Conference MSEC2011, June 13-17 2011, Corvallis, Oregon, USA, ASME Book Group Authors, Vol. 1, pp.487-493, ISBN 978-0-7918-4430-4, ASME International New York, 2011.
10. **Pop, P.A.**, "The Analysis of dynamic stability at milling machine tools", Proceedings of ASME International Design Engineering Technical Conference & Computers and Information Engineering Conference IDETC/CIE2009, August 30-September 2, 2009, San Diego, CA, USA, ASME Book Group Authors, Vol. 1/PT B, pp.1325-1334, ISBN 978-0-7918-4898-2, ASME International New York, 2010.

**TEZA DE ABILITARE**

Titlul: Modern Approach of Characterization and Manufacturing Applied to the Advanced Composite Materials” (Abordare modernă cu privire la procesul de fabricație și caracterizare aplicat materialelor compozite avansate).

Instituația: Universitatea din Oradea

Domeniul: INGINERIE INDUSTRIALĂ

Conferire titlu prin Ministerul Roman al Educației și Cercetării-OMESC nr.5821 / 27.12.2017

**TEZA DE DOCTORAT**

Titlul: "Metode și mijloace pentru determinarea nivelului de vibrații la prelucrarea mecanică prin frezare"

Conducător științific: Prof. univ. dr. ing. Sergiu T. CHIRIACESCU, D.H.C, Membru Corespondent al Academiei Române

Instituția: Universitatea "TRANSILVANIA" din Brașov Domeniul:

INGINERIE MECANICĂ

Data susținerii: 20.12.2003

Conferirea titlului de doctor prin Ordinul Ministerului Educației și Cercetării Nr.3876 din 19.05.2004.

**BREVETE**

Nu este cazul.

**CĂRTI / CAPITOLE DE CĂRTI**

1. **Pop, P.A.**, *Optoelectronica*, Editura Universității din Oradea, 2016, ISBN 978-606-10-1762-1, (168-pag).
2. **Pop, P.A.**, *Optoelectronica. Aplicații*, Editura Universității din Oradea, 2016, ISBN 978-606- 10-1729-4, (94 pagini).
3. **Pop, P.A.**, *Dinamica sistemelor mecatronice. Aplicații*, Editura Universității din Oradea, 2016, ISBN 976-606-10-1777-5, (82 pagini).
4. Luca-Motoc D., Bejinaru-Mihoc Gh., **Pop, P.A.**, Novac, M.N., *Materiale si semifabricate optice. Sticla optica*, Editura Universității "Transilvania" din Brașov, 2012, ISBN 978-606-19- 159-3, (180 pag).
5. Ungur-Marcu, P.A., **Pop, P.A.**, *Estetica și designul panourilor fonoabsorbante*, Editura Universității din Oradea, 2011, ISBN 978-606-10-0615-1, (239 pag).
6. **Pop, P.A.**, *MEMS: Elemente introductive*, Editura Universității din Oradea, 2010, ISBN 978- 606-10-0249-8, (272-pag.).
7. Ungur, P., Carp, V., **Pop, P.A.**, Ardelean, F., "Tehnologia materialelor. Elemente de prelucrare dimensională", Editura Didactică și Pedagogică, București, 2008, ISBN: 978-973-30- 2321-0, (367-pag.).
8. Luca-Motoc, D., Bejinaru-Mihoc GH., **Pop A.P.**, Novac M.N., *Materiale si semifabricate optice. Vol. I-Sticla optica*, CD-ROM Edition, Editura Universității "Transilvania" din Brașov, 2005, ISBN 973-635-515-2, (151-pag)
9. **Pop, P.A.**, *Optica tehnică*, Editura Universității din Oradea, 2004, ISBN 973-673-590-X, (170-pag.).
10. **Pop, P.A.**, *Proiectarea și construcția aparatelor optice*", Editura Universității din Oradea, 2004, ISBN 973-613-591-8, (180-pag.).
11. Ungur, P., **Pop, P.A.**, Gordan, M., Gordan, C., Pop, M.T., *Mathematical models for study and assessing of adhesive attrition process of coupling elements in sliding friction*, Chapter 73 in DAAAM International Scientific Book 2008, pp. 891-902, B. Katalinic Editor, Published by DAAAM International, ISBN 978-3-901509-69-0, ISSN 1726-9687, Vienna, Austria (**Capitol de carte - Book of DAAAM**)

## **SUPPORTURI DE CURS/INDRUMARE**

- 1. Pop, P.A.**, Advanced Manufacturing & 3D Printing – Course (L Eng), Universitatea din Oradea, 2025, 60 pag.
- 2. Pop, PA.**, Advanced Manufacturing & 3D Printing – Project (L Eng), Universitatea din Oradea, 2025. 21 pag.
- 3. Pop, P.A.**, Dynamic Mechatronics Systems- Course (L Eng), Universitatea din Oradea, 2025, 114 pag.
- 4. Pop, P.A.**, Dynamic Mechatronics Systems- Lab (L Eng), Universitatea din Oradea, 2025, 40 pag.
- 5. Pop, P.A.**, Dinamica Sistemelor Mecatronice, Universitatea din Oradea, 2016, 164 pag.

## A. REVISTE COTATE ISI

**A1.** Ilea, S., **Pop, P.A.**, "Some aspects regarding the recycling of composite materials used in automotive", ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue Special SI, Nr.5, October, 2023, pp.391-398. ISSN: 1221-5872, WOS:001267255200019, Indexat in 24 iulie 2024, (IMP=02 in 2024)

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**A2.** **Petru A. Pop**, Juan Lopez-Martinez, Iulian Stanasel, and Sandu Ilea, Characterization of sliding bimetallic bearings from steel-bronze obtained from horizontal centrifugal casting, BALTICA, Journal 2024, 37(7), ISSN: 0067-3064, pp. 21-36, <https://doi.org/10.59879/At1Y5> (IMP-0727 in 2024),

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

In curs de indexare ISI Web of Science

**A3.** Jorda-Vilaplana, A., Carbonell-Verdu, A., Samper, M.D., **Pop, A.** & Garcia-Sanoguera, D. (2017), "Development and characterization of a new natural fiber reinforced thermoplastic (NFRP) with Cortaderia selloana (Pampa grass) short fibers", Composites Science and Technology (COMPOS SCI TECHNOL), Volume: 145, Pages: 1-9, ISSN: 0266-3538, eISSN: 1879-1050, DOI: 10.1016/j.compscitech.2017.03.036 Published: JUN 16 2017, Elsevier Ed., IDS No. EV6MN, (IMP-5,429 in 2017, Q1, **zona roșie**), 2017. WOS:000401883600001

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**A4.** **Pop, P.A.**, Luca-Motoc, D., "Experimental research about characterization of novel porous composites with special applications", Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 17, No. 7-8, July – August 2015, pp. 943 – 951, ISSN: 1454-4164, eISSN: 1841-7132, WOS:000359967600006 IDS No. CP6AV, (IMP-0.429 in 2014), 2015.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**A5.** Luca-Motoc, D., Ferrándiz Bou, S., **Pop, P.A.**, "Particle reinforced composites' elastic properties retrieval by aid of laser generated ultrasound waves", Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 17, No. 7-8, July – August 2015, p. 1032 – 1037, ISSN: 1454-4164, eISSN: 1841-7132, WOS:000359967600020, IDS No. CP6AV, (IMP-0.429 in 2014), 2015.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**A6.** Luca-Motoc, D., **Pop, P.A.**, Bejinaru-Mihoc, G., "A perspective in sizing the main influencing factors on the thermal properties of different metal/non-metal powders", 7th International Conference on Materials Science and Engineering – BRAMAT 2011, Poiana Brasov, Romania, 24-26 February, 2011, Metalurgia International J., Vol. XIV (2011), No.4, pp.97-100, ISSN 1582-2214, WOS:000289186700023, IDS No. 745SR. (IMP -0.084 in 2011), 2011.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

## B. ARTICOLE INDEXATE ISI (ISI PROCEEDINGS)

**B1.** **Pop, P.A.**, Lazar, L, Marcu, F., "Enhancing the sport performance and quality life of athletes by applying of WBV method", Proceedings of ASME Congress & Exposition Phoenix, AZ, USA, Nov. 15-21, 2016, Book Group Author, Vol. 3, Article Number: UNSP V003T04A019, WOS:000399060400019, pp. 9 pages, ISBN 978-0-7918-5053-4, IDS No. BH2NE, ASME International, New-York, 2017,

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B2.** **Pop, P.A.**, Lazar, L, Marcu, F., "Significance of kinetotherapy in rehabilitation treatment of osteoporosis", Proceedings of ASME Congress & Exposition, San Diego, CA, USA, Nov. 15-21, 2013, ASME-Book Group Author, Vol. 3A, pp. 6 pages, ISBN 978-0-7918-5621-5, IDS No. BD3HE, ASME International, New York, 2014.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B3.** **Pop, P.A.**, Ungur, P.A., Lazar, L, Gordan, M., Marcu, F., "Testing of sonic-absorbent panels' behavior in open-air environment", Proceedings of ASME Congress & Exposition Houston, TX, USA, Nov. 09-15, 2012, ASME Book Group Author, Vol.12, pp.13-19, ISBN 978-0-7918-4528-8, IDS No. BC1ZS, ASME International, New York, 2013.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B4.** Pop, P.A., Lazar, L, Marcu, F., “*Benefic effect of conservative treatments on patients diagnosed with osteoporosis*”, Proceedings of ASME Congress & Exposition, Houston, TX, USA, Nov. 09-15, 2012, ASME Book Group Author, Vol. 2, pp.63-69, ISBN 978-0-7918-4518-9, IDS No. BC0XX, ASME International, New York, 2013.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B5. Pop, P.A.,** Ungur, P.A., Lazar, L, Marcu, F., “*Advanced procedure used for determination the absorption coefficient of sonic-absorbent materials*”, Proceedings of ASME Congress & Exposition, Denver, CO, USA, Nov.11-17, 2011, ASME Book Group Authors, Vol. 8, pp.657- 663, ISBN 978-0-7918-5494-5, IDS No. BHC47, ASME International, New York, 2012.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B6. Pop, P.A.,** Lazar, L, Marcu, F., “*Specific treatments for improving the quality live in rheumatologic affections and osteoporosis*”, Proceedings of ASME Congress & Exposition Denver, CO, USA, Nov.11-17, 2011, ASME Book Group Authors, Vol. 2, pp.205-214, ISBN 978-0-7918- 5488-4, IDS No. BGX47, ASME International, New York, 2012.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B7.** Luca-Motoc, D., **Pop, P.A.,** Ferrándiz Bou, S., Dadirlat, N., “*Tailoring thermal properties of hybrid glass fibers/carbon fibers reinforced polymeric composites*”, Proceedings of ASME Congress & Exposition Denver, CO, USA, Nov.11-17, 2011, ASME Book Group Authors, Vol. 8, pp.607-612, ISBN 978-0-7918-5494-5, IDS No. BHC47, ASME International, New York, 2012.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B.8. Pop, P.A.,** Lazar, L., Marcu, F., “*Some aspects regarding treatment and rehabilitation of weight bearing joints for patients with osteoarthritis*”, Proceedings of ASME Congress & Exposition, Vancouver, BC, Canada, Nov.12-18, 2010, ASME Book Group Authors, Vol. 2, pp.101-107, ISBN 978-0-7918-4426-7, IDS No. BFJ68, ASME International, New York, 2012.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B9.** Ferrándiz Bou, S., **Pop, P.A.,** López Martinez, J., Luca Motoc, D., “*Evaluation of the materials course in the new ECTS PROGRAMME. Comparison of ROMANIA and SPAIN experience*”, Proceedings of ENDULEARN 2012, 4th EDULEARN Conference, Barcelona, Spain 2- 4 July 2012, pp.6458-6465, ISBN 978-84-6695-3491-5, ISSN-2340-1117, IDS No. BHP41, 2012.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B10. Pop, P.A.,** Luca-Motoc, D., Bejinaru-Mihoc, G., “*Sizing extreme environmental condition influences on the multiphase polymeric composites’ CTE*” Proceedings of ASME Conference MSEC2011, June 13-17, 2011, Corvallis, Oregon, USA, ASME Book Group Authors, Vol.1, pp.487-493, ISBN 978-0-7918-4430-4, IDS No. BFJ30, ASME International, New York, 2011.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B11. Pop, P.A.,** Lopez-Martinez, J., Bejinaru-Mihoc, G., Gordan, M., “*The application of horizontal rotational forming process in fabrication of thermoplastic sliding bearings*”, Proceedings of ASME Conference of MSEC2010, Erie, PA, Oct. 12-15, 2010, ASME Book Group Authors, Vol.1, pp.713-721, ISBN 978-0-7918-4946-0, IDS No. BVE99, ASME International, New York, 2011

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B12. Pop, P.A.,** Ungur, P.A., Lazar, L, Marcu, F., “*Practical methods used for determination of elastic characteristics of gypsum materials*”, Proceedings of ASME Conference of MSEC2010, Erie, PA, Oct. 12-15 2010, ASME Book Group Authors, Vol.1, pp.661-668, ISBN 978-0-7918- 4946-0, IDS No. BVE99, ASME International, New York, 2011.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B13.** Ferrándiz Bou, S., **Pop, P.A.,** López Martinez, J., Luca Motoc, D., “*Adapting to the new ECTS Programme. Comparison of the evolution of the Materials Course in Romania and Spain*”, Proceedings of the Conference of INTED2011, 7-9 March, 2011, Valencia, Spain, pp. 4027- 4033, ISBN 978-84-614-7423-3, IDS No. BHR19, 2011.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B14. Pop, P.A.,** “*The analysis of dynamic stability at milling machine tools*” Proceedings of ASME International Design Engineering Technical Conference & Computers and Information Engineering Conference IDETC/CIE2009, August 30-September 2, 2009, San Diego, CA, USA, ASME Book Group Authors, Vol. 1/PT B, pp.1325-1334, ISBN 978-0-7918-4898-2, IDS No. BUV65, ASME International, New York, 2010.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B15. Pop, P.A.,** Bejinaru-Mihoc, G., Olaru, I., “*Stiffness analysis of gear shaping machine in radial direction with gear wheel-cutter*”, Proceedings of ASME Congress & Exposition IMECE 2009, Nov. 13-19, 2009, Lake Buena Vista, FL, USA, ASME Book Group Authors, Vol.4, pp.623-630, ISBN 978-0-7918-4377-2, IDS No. BRH72, ASME International, New York, 2010.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B16. Pop, P.A.,** Veres, M., Gordan, M., Ungur, P., “*Aspects about sonic pollution and vibrations sources in urban area and solutions for them suppressing*”, Proceedings of ASME Congress & Exposition IMECE2009, Nov. 13-19 2009, Lake Buena Vista, FL, USA, ASME Book Group Authors, Vol.15, pp.271-280, ISBN 978-0-7918-4388-8, IDS No. BRF62, ASME International, New York, 2010.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B17. Pop, P.A.,** Ungur, P., Lazar, L., Corbu, S., Marcu, F., “*Treatment solutions of synovial joints and recovery processes of patients with hip and knee osteoarthritis*”, Proceedings of ASME Congress & Exposition IMECE2009, Nov. 13-19 2009, Lake Buena Vista, FL, USA ASME Book Group Authors, Vol.2, pp.49-58, ISBN 978-0-7918-4375-8, IDS No. BRC33, ASME International, New York, 2010.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B18. Ungur, P., Pop, P.A.,** Veres, M., Gordan, M., “*Rational using of small frontal rigid gear coupling type Gleason at simple direct and differential dividing and geometrical development of smaller size*”, Proceedings of ASME International Design Engineering Technical Conference & Computers and Information Engineering Conference IDETC/CIE2008, 3-6, August, 2008, Brooklyn, New York, ASME Book Group Authors, Vol. 2, PTS A&B, pp.811-818, 2009, ISBN 978-0-7918-4326-0, IDS No. BIZ34, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B19. Pop, P.A.,** Ungur, P.A, Caraban, A., Marcu, F., “*The contributions regarding the use of microwave to obtain modeling gypsum for phonic-absorbent construction and orthopedic materials*”, Third Manufacturing Engineering Society International Conference–MESIC’09, AIP Conference Proceedings, Vol.1181, pp.334-344, Edited by V. J. Segui and M. J. Reig, American Institute of Physics, Springer, ISBN 978-0-7354-0722-0, ISSN 0094-243X, Melville, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B20. Pop, P.A.,** Ungur, P.A, Lazar, L., Marcu, F., “*The aspects about of objectively appraisals of modeling gypsum quality and composites of phonic-absorbent and orthopedic on base of gypsum*”, Third Manufacturing Engineering Society International Conference –MESIC’09, AIP Conference Proceedings, Vol.1181, pp.345-352, Edited by V. J. Segui and M. J. Reig, American Institute of Physics, Springer, ISBN 978-0-7354-0722-0, ISSN 0094-243X, Melville, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B21. Ungur, P., Patcas, E., Pop, P.A.,** Corbu, S., Marcu, F.,” *Theoretical and practical aspects about bio-lubrication of synovial joints by radioactive molecular treatment*”, Proceedings of The 9th Biennial ASME Conference on Engineering Systems Design and Analysis ESDA2008, July 7-9, 2008, Haifa, Israel, ASME Book Group Authors, Vol. 3, pp. 411-419, 2009, ISBN 978-0-7918-4837-1, IDS No. BIW59, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B22. Pop, P.A.,** Ungur, P.A., Patcas, E., Ungur, P., “*Recovering, treating and using waste from expandable polystyrene by mechanical brakeage process of manufacturing composite materials*”, Proceedings of The 9th Biennial ASME Conference on Engineering Systems Design and Analysis ESDA2008, July 7-9, 2008, Haifa, Israel, ASME Book Group Authors, Vol. 3, pp. 79-85, 2009, ISBN 978-0-7918-4837-1, IDS No. BIW59, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B23. Pop, P.A.,”** *The study of cutting forces about dynamic stability of milling machine tools*”, Proceedings of The 9th Biennial ASME Conference on Engineering Systems Design and Analysis ESDA2008 July 7-9, 2008, Haifa, Israel, ASME Book Group Authors, Vol. 2, pp. 617- 626, 2009, ISBN 978-0-7918-4836-4, IDS No. BIX59, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B24. Ungur, P., Pop, P.A.,** Veres, M., Gordan, M., “*Rational using of small frontal rigid gear coupling type Gleason at simple direct and differential dividing and geometrical development of smaller size*”, Proceedings of ASME International Design Engineering Technical Conference & Computers and

Information Engineering Conference IDETC/CIE2008, 3-6 August 2008. Brooklyn, New York, ASME Book Group Authors, Vol. 2, PTS A&B, pp. 811-818, 2009, ISBN 978-0-7918-4326-0, IDS No. BIZ34, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B25. Pop, P.A.,** Gordan, M., Ungur, P.A., Lazar, L., Marcu, F., “*Using of lapping process for optimization of passive surface’s resonant cavities of anodic block from power magnetrons*”, The 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education". 25-28th November 2009, Vienna, Austria, Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, pp.1199-1200, ISBN 978-3- 901509-70-4, ISSN 1726-9679, pp.600, IDS No. BRC23, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B26. Pop, P.A.,** Ungur, A.P., Gordan, M., Lazar, L., Marcu, F., (2009), “*Geometrical optimization of cathode with direct heating for power magnetrons by using of linear thermal compensator*”, The 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education". 25-28th November 2009, Vienna, Austria, Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, pp. 1201-1202, ISBN 978-3-901509-70-4, ISSN 1726-9679, IDS No. BRC23, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B27.** Gordan, M., **Pop, P.A.,** Gordan, C., “*The modeling of small power bridge by Simulink Program*”, The 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28th November 2009, Vienna, Austria, Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, pp.1305- 1306, ISBN 978-3-901509-70-4, ISSN 1726-9679, IDS No. BRC23, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B28. Pop, P.A.,** Ungur, P., Lopez-Martinez, J., Bejinaru-Mihoc, G., “*Theoretical and practical estimations regarding of borderline conditions imposed for qualitative achievement of sliding bimetallic bearings from steel-bronze*”, Proceedings of ASME International Manufacturing Science and Engineering Conference MSEC2009, October 4-7, 2009, West Lafayette, Indiana, USA, ASME Book Group Authors, Vol. 1, pp.569-576, ISBN 978-0-7918-4361-1, IDS No. BRC98, ASME International, New York, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B29.** Gordan, M., Gordan, C., **Pop, P.A.,** “*Enhance of house heating control by using of Labview*”, The 20th International DAAAM Symposium "Intelligent Manufacturing & Automation: Theory, Practice & Education", 25-28th November 2009, Vienna, Austria, Annals of DAAAM for 2009 & Proceedings of 20th International DAAAM Symposium, Vol. 20, pp.1341- 1342, ISBN 978-3-901509-70-4, ISSN 1726-9679, IDS No. BRC23, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2009.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B30. Pop P.A.,** “*Influence of equivalence dynamic parameters variation about behavior of structure milling machine tools*”, Proceedings of ASME Conference IDETC/CIE2007 Las Vegas, NV, USA, ASME Book Group Author 2008, Vol. 1, PTS A-C, pp.2209-2218, ISBN 978-0- 7918-4802-9, ASME International, New York, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B31.** Ungur, P., **Pop, P.A.,** Gordan, M., Muresan, N., “*Optimal construction of a hydraulic pump with elliptic rotated piston by Kakeya-Besicovitch application*”, Proceedings of ASME Conference IDETC/CIE2007 Las Vegas, NV, USA, ASME Book Group Author 2008, Vol.7, pp.947-954, ISBN 978-0-7918-4808-1, ISD No. BHM75, ASME International, New York, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B32.** Ungur, P., Pop, P.A., Gordan, M., Gordan, C., Pop, M.T., “*Mathematical model for study and assessing of adhesive attrition process of coupling elements in sliding friction*”, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions". 22-25th October 2008, Trnava, Slovakia, Annals of DAAAM for 2008, pp. 1423-1424, ISSN 1726-9679, ISBN 978-3-901509-68-1, ISD No. BUI04, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B33.** Ungur, P., **Pop, P.A.**, Ungur, P. A., Veres, M., Craciun, D., “Valve with umbilicus for painting by hydraulic spraying of construction materials”, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions"22-25th October 2008 Trnava, Slovakia, Annals of DAAAM for 2008, pp.1427-1428, ISSN 1726-9679, ISBN 978-3-901509-68-1, ISD No. BUI04, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B34.** Ungur, P., **Pop, P.A.**, Ungur, P. A., Gordan, M., Veres, M., “The efficient measurement method of phonic-absorbent coefficient for construction materials”, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions"22-25th October 2008, Trnava, Slovakia, Annals of DAAAM for 2008, pp. 1425-1426, ISSN 1726-9679, ISBN 978-3-901509-68-1, ISD No. BUI04, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B35.** **Pop, P.A.**, Veres, M., Iancu, C., Mihaila, S., Ungur, P., “Heating installation of sewage water with solar captor”, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions"22- 25th October 2008 Trnava, Slovakia, Annals of DAAAM for 2008, pp.1099-1100, ISSN 1726- 9679, ISBN 976-3-901509-68-1, ISD No. BUI04, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria. 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B36.** **Pop, P.A.**, Lazar, L. Marcu, F., Veres, M., Ungur, P., “An application of non-compressible flowing in thermoplastic pipes in installations for fire prevention”, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions"22-25th October 2008 Trnava, Slovakia, Annals of DAAAM for 2008, pp.1097-1098, ISSN 1726-9679, ISBN 978-3-901509-68-1, ISD No. BUI04, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2008.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B37.** Ungur, P., **Pop, P.A.**, Gordan, M., Pop, M.T., Ardelean F., “The rod for collector brushes with higher electrical and thermal conductivity”, The 18th International DAAAM Symposium "Intelligent Manufacturing &Automation: Focus on Creativity, Responsibility and Ethics of Engineers"24-27th October 2007, Zadar, Croatia, Annals of DAAAM for 2007, pp.785-786, ISSN 1726-9679, ISBN 3-901509-58-5, IDS No. BHB34, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2007.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B38.** Ungur, P., **Pop, P.A.**, Veres, M., Gordan, M., Ardelean F., “Aspects about chemisorptions and molecular antifricion treatment at friction couple of piston-segments-cylinder” The 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics of Engineers"24-27th October 2007, Zadar, Croatia, Annals of DAAAM for 2007, pp.787-788, ISSN 1726-9679, ISBN 3-901509-58-5, IDS No. BHB34, B.Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2007.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

**B39.** Ungur, P., Pop, P.A., Veres, M., Pop, M.T., Polojintev, N., “Aspects about estimation of replacement moment at lubricate oils for spark ignition engines”, The 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics of Engineers"24-27th October 2007, Zadar, Croatia, Annals of DAAAM for 2007, pp.789-790, ISSN 1726-9679, ISBN 3-901509-58-5, IDS No. BHB34, B. Katalinic Editor, DAAAM International Vienna Publisher, Austria, 2007.

<https://1710qgk0i-y-https-www-webofscience-com.z.e-nformation.ro/wos/author/record/1633561>

### C. ARTICOLE INDEXATE IN BAZE DE DATE INTERNATIONALE (BDI)

- C1. Pop, P.A.,** and Ilea, S (2022),” Optimization of the injection moulding process for plastics parts by using FEA”, IOP Conference Series: Materials Science and Engineering, Volume 1256, Annual Session of Scientific Papers (IMT Oradea 2022), 07/07/2022 - 08/07/2022 Baile Felix SPA, Oradea, Romania, 2022 IOP Conf. Ser.: Mater. Sci. Eng. 1256 012004, pp.1-8, DOI 10.1088/1757-899X/1256/1/012004 (BDI: Ulrich’s)
- C2. Luca-Motoc, D., Ferrandiz Bou, S., Pop, P.A.** (2018), “Thermal degradation and stability of wood particle composites deployed as decorative components”, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering, Vol. XVII(XXVII), ISSUE #1, MAY 2018, CD\_ROM Ed., pp. 58-63, Editor University of Oradea, ISSN 2501-5796, 2018 (MATEC Web Conference) (BDI: SCOPUS)
- C3. Gordan, IM, Gordan, CE., Pop, P.A.,** “*Modern method used for measuring the intensity of solar radiations*”, Annals of DAAAM for 2012 & Proceedings of the 23th International DAAAM Symposium, 24-27th October 2012, Zadar, Croatia, Vol. 23, No.1, pp.0459-0464, ISBN 978-3-901509-91-9, ISSN 2304-1382, B. Katalinik Editor, DAAAM International Vienna Publisher, Austria, 2012. (BDI: SCOPUS).
- C4. Pop, P.A.,** Gordan, I.M., Gordan, C.E, (2011), “*Certain applications of frontal gear couplings*”, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, 23-26th November 2011, Vienna, Austria, Volume 22, No. 1, ISSN 1726-9679, ISBN 978-3-901509-83-4, Katalinic, B. (Ed.), pp. 0383-0384, Published by DAAAM International Vienna, Austria, 2011. (BDI-SCOPUS).
- C5. Gordan, C.E, Gordan, I.M., Pop, P.A.,** “*The method used for building of drill cutter for deep hole drilling*”, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, 23-26th November 2011, Vienna, Austria, Volume 22, No. 1, ISSN 1726-9679, ISBN 978-3-901509-83-4, Katalinic, B. (Ed.), pp. 0125-0126, Published by DAAAM International Vienna, Austria, 2011. (BDI SCOPUS).
- C6. Pop, P.A.,** Bejinaru-Mihoc, G., Pater, S., “*Design of mechanical mini-variable speed drive with application at transport systems*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XIII(XXIII), Nr.3, Dec. 2014, pp., CD\_ROM Ed., pp.148 – 151, ISSN 1583-0691, Editor University of Oradea, 2014. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C7. Pop, P.A.,** “*Manufacturing procedure of polymeric reinforced with expandable polystyrene*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XIII(XXIII), Nr.3, Decembrie 2013, CD\_ROM Ed., pp.144 – 147, ISSN 1583- 0691, Editor University of Oradea, 2014. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar)
- C8. Pop, P.A.,** Bejinaru-Mihoc, G., “*Some aspects about failures of plastic component parts*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XII(XXII), Nr.1, 2013, pp., CD\_ROM Ed., pp.227 – 230, ISSN 1583-0691, Editor University of Oradea, 2013. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C9. Pop, P.A.,** “*Specific methods used at testing of MEMS materials*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XII(XXII), Nr.3, Decembrie 2013, CD\_ROM Ed., pp.42 – 45, ISSN 1583-0691, Editor University of Oradea, 2013. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C10. Marcu, P.A., Pop, P.A., Marcu, F.,** “*Contributions regarding the mold manufacturing technology for the phonic-absorbent panels*”, Nonconventional Technologies Review, April 2013, Vol. XVII, No.1/2013, pp.56-60, ISSN 1454-3087, 2013. (BDI: ProQuest Central).
- C11. Pop, P.A.,** Bejinaru-Mihoc, G., Luca-Motoc, D., “*About mechanical characteristics of optical glass*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XI (XXI), Nr.1, 2012, pp., CD\_ROM Ed., pp.2.98 – 2.105, ISSN 1583-0691, Editor University of Oradea, 2012. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).

- C12. Pop, P.A.,** Bejinaru-Mihoc, G, Mitu, L., “*General aspects concerning the delamination phenomenon in fiber reinforced polymeric biomaterials*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. XI (XXI), Nr.1, 2012, pp., CD\_ROM Ed., pp.4.116 – 4.121, ISSN 1583-0691, Editor University of Oradea, 2012. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C13. Pop, P.A.,** Mitu, L., Graman, H.O., Bejinaru-Mihoc, G., “*Technology transfer in mechatronics*”, Buletinul AGIR, Creativitate, Inventica, Robotica, An XIV, Nr.1/2011, pp.91-96, ISSN-L: 1124-7928, 2011. (BDI: INDEX COPERNICUS INTERNATIONAL).
- C14. Pop, P.A.,** Bejinaru-Mihoc, G, Mitu, L., “*The systemic analysis of metals manufacturing used in MEMS fabrication*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. X (XX), Nr.2, 2011, CD\_ROM Ed., pp.4.117 – 4.124, ISSN 1583-0691, Editor University of Oradea, 2011. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C15.** Bejinaru-Mihoc, G, **Pop, P.A.,** Geamanu, H., Cazangiu, D., Mitu, L., “*A review of the drilling processes of composite materials*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. X (XX), Nr.1/2011, CD\_ROM Ed., pp. 4.5 – 4.12, ISSN 1583-0691, Editor University of Oradea, 2011. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C16.** Luca-Motoc, D., **Pop, P.A.,** “*Thermal properties of novel carbon and glass fibers-based hybrid composite for printed circuit boards*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. X (XX), Nr.3, 2011, pp., CD\_ROM Ed., pp.1.18 – 1.22, ISSN 1583-0691, Editor University of Oradea, 2011. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C17. Pop, P.A.,** Bejinaru-Mihoc, G., “*Certain models of milling process used for assessing a dynamic stability system of machine tools*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IX (XIX), Nr.3, 2010, pp.2.19, CD\_ROM Ed., pp.2.59 -2.66, ISSN 1583-0691, Editor University of Oradea, 2010. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C18. Pop, P.A.,** Bejinaru-Mihoc, G., “*Manufacturing process and application of composite materials*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IX (XIX), Nr.3, 2010, pp.3.1, CD\_ROM Ed., pp.3.131 -3.136, ISSN 1583-0691, Editor University of Oradea, 2010. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C19.** Ungur, P.A., Argir, M., Mihaila, I., **Pop, P.A.,** Marcu, F., “*Technological process of sound-absorbing panels*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IX (XIX), Nr.4, 2010, pp., CD\_ROM Ed., pp.4.30 – 4.33, ISSN 1583-0691, Editor University of Oradea, 2010. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C20.** Ungur, P.A., Mihaila, I., **Pop, P.A.,** Marcu, F., “*Interior sound ambient insulation*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. IX (XIX), Nr.4, 2010, pp., CD\_ROM Ed., pp.4.34 – 4.37, ISSN 1583-0691, Editor University of Oradea, 2010. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C21.** Ungur, P.A., Lopez-Martinez, J., **Pop, P.A.,** Marcu, F., “*The CAD-CAM design of the die casting mold for gypsum sound absorbing panels*”, Nonconventional Technologies Review, Vol. XIV, No 2/2010, pp.48-53, ISSN 1454-3087, 2010. (BDI: ProQuest Central).
- C22.** Bejinaru-Mihoc, G., **Pop, P.A.,** Mitu, G.I., Geaman, H., Bejinaru-Mihoc, A., Cazangiu, D., “*Characteristics of the composite materials cutting process*”, Proceedings of 3rd International Conference Advanced Composite Materials Engineering, under FISTA Patronage, COMAT2010, 27-29 October 2010, Brasov, Vol. III, pp.172-175, ISSN 1844-9336, 2010. (BDI FISTA).
- C23.** Bejinaru-Mihoc, G., **Pop, P.A.,** Mitu, G.I., Geaman, H., Bejinaru-Mihoc, A., Cazangiu, D., “*Approache systemique pour le perçage des matériaux composites*”, Proceedings of 3rd International Conference Advanced Composite Materials Engineering, under FISTA Patronage, COMAT2010, 27-29 October 2010, Brasov, Vol. III, pp.176-179, ISSN 1844-9336, 2010. (BDI FISTA).

- C24. Pop, P.A.**, Bejinaru-Mihoc, G., “*MEMS an alternative for the future*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VIII (XVIII) 2009, pp.230, CD\_ROM Ed., pp.1332 -1339, ISBN 1583-0691 Editor University of Oradea, 2009. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C25. Pop, P.A.**, Bejinaru-Mihoc, G., “*Laser an application for micro-nanofabrication*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VIII (XVIII) 2009, pp.229, CD\_ROM Ed., pp.1326-1331, ISBN 1583-0691, Editor University of Oradea, 2009. (BDI: Ulrich’s, Index Copernicus, ICAAP, Google Scholar).
- C26. Pop, P.A.**, Ungur, P., Bejinaru-Mihoc, G., “*The aspects about rapid prototyping system*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.169, CD\_ROM Ed., pp.996-1001, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C27. Pop, P.A.**, Ungur, P., Bejinaru-Mihoc, G., “*About fabrication of microlenses arrays*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2007, pp.170, CD\_ROM Ed., pp.1002-1007, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C28.** Bejinaru-Mihoc, G., *Pop, P.A.*, Ciofoia, V., Mitu, L., “*Systemic approach to technological transfer*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.324, CD\_ROM Ed., pp.1911-1916, Editor University of Oradea, ISBN 1583-0691, Editor University of Oradea, 2008 (BDI: Ulrich’s).
- C29.** Bejinaru-Mihoc, G., **Pop, P.A.**, Ciofoia, V., “*Structural characteristics of novel technology*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2007, pp.325, CD\_ROM Ed., pp. 1917-1920, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C30.** Ungur, P., Ardelean, F, **Pop, P.A.**, Craciun, D., “*The treatment by diffusion of the conical active surfaces of the driver disk for the revolutions speed variator*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2007, pp.193, CD\_ROM Ed., pp.1153-1157, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C31.** Ungur, P., **Pop, P.A.**, Ardelean, F, Iancu, C., “*Theoretical aspects regarding the electromagnetic induction’s use in warming the heating agent for the closed circuit heating installations*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.194, CD\_ROM Ed., pp.1158-1163, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C32.** Marcu, F., Lazar, L., **Pop, P.A.**, Ungur, P., “*Theoretical and practical aspects regarding ultrasound therapy on live tissue*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.69, CD\_ROM Ed., pp.399-402, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C33.** Marcu, F., Lazar, L., **Pop, P.A.**, Ungur, P., “*The limits of using mechanical vibrations in human pathology*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.70, CD\_ROM Ed., pp.403-408, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C34.** Anton, I., Cretu, M.C., Hibascu, I.M., **Pop, P.A.**, Ardelean, A.F., Ungur, P., “*A simple local device for the preparation of warm water with a heat exchanger having plates and solar thermic pick-up*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.10, CD\_ROM Ed., pp.24-28, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich’s).
- C35.** Ungur P., **Pop, P.A.**, Blaga, F., Tarca, R.C., ” *Research about the study and suppressing the noise generated by automotives on DN 76 Drive of Recovering Clinical Hospital’s Felix Spa*”, The 1st International Conference 7-8 June 2007 Advanced Engineering in Mechanical Systems-ADEMS’07, Cluj-Napoca. Acta Technica Napocensis, No.50, Vol. 2, 2007, Series: Applied Mathematics and Mechanics, pp. 97-100, ISSN 1221-5872, 2007. (BDI: Ulrich’s).

**C36. Pop, P.A.,** Ungur, P., Bejinaru-Mihoc, G., “*Modeling of dynamic manufacturing process*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VI (XVI) 2007, pp.197, CD\_ROM Ed., pp.1161-1166, ISBN 1583-0691, Editor University of Oradea, 2007. (BDI: Ulrich’s).

**C37. Pop, P.A.,** Ungur, P., Bejinaru-Mihoc, G., “*Applications of microlenses arrays*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VI (XVI) 2007, pp.119, CD\_ROM Ed., pp.675-680, ISBN 1583-0691, Editor University of Oradea, 2007. (BDI: Ulrich’s).

**C38. Ungur, P. Pop, P.A.,** Lazar, L., Marcu, F., “*The lifting device with winch and trapeze for neurology patients*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VI (XVI) 2007, pp.300, CD\_ROM Ed., pp.1759-1764, ISBN 1583-0691, Editor University of Oradea, 2007. (BDI: Ulrich’s).

**C39. Bejinaru-Mihoc, G., Pop, A.,** Ciofoia, V., Cismaru, M., Rusu, P., “*Working properties of diamonds*”, Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VI (XVI) 2007, pp.250, CD\_ROM Ed., pp.1478-1481, ISBN 1583-0691, Editor University of Oradea, 2007. (BDI: Ulrich’s).

#### ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE NEINDEXATE

**R1. Pop, P.A.,** Lopez, M. J., Ardelean, F., Ferrandiz,, S., “*Algorithms to calculate orientation of fibers in LFRT*”, Proceedings of ASME Conference MSEC2010, Erie, PA, Oct.12-15, ISBN- 979-0-7918-3887-7, MSEC2010-34343, Poster, ASME International New York, 2010. (Conferinta ISI A-neindexata inca in Book ASME).

**R2. Luca-Motoc D., Pop, P.A.,** Bejinaru, G., “*Sizing the cryogenic conditioning on the CTE and Young modulus in case of polymeric multiphase composites*”, Proceedings of ASME Conference of MSEC2010, Erie, PA, Oct.12-15, ISBN-979-0-7918-3887-7, MSEC2010-34340, Poster, ASME International New York, 2010. (Conferinta ISI A-neindexata inca).

**R3. Pop, P.A.,** Lazar, L., Marcu, F., “*Conservative treatment of weight bearing joints for patients with osteoarthritis*”, Proceedings of the 16th US National Congress of Theoretical and Applied Mechanics USNCTAM2010, June 27-July 2, 2010, State College, PA, USA, Paper No. USNCTAM2010-825, pp.1-2, ASME International New York, 2010. (Conferinta ISI A- neindexata inca).

**R4. Pop, P.A.,** “*Determination of cutting force coefficients for dynamic stability of milling process*”, Proceedings of the 16th US National Congress of Theoretical and Applied Mechanics USNCTAM2010, June 27-July 2, 2010, State College, PA, USA, Paper No. USNCTAM2010-884, pp.1-2, ASME International, 2010. (Conferinta ISI A-neindexata inca)

**R5. Pop, P.A.,** Ungur, P., Veres, M., Gordan, C.,” *Rheological aspects to horizontal rotational forming of thermoplastic materials*”, ASME International Manufacturing Science and Engineering Conference & ICMP, October 7-10, 2008, Evanston, Illinois, USA, Proceedings of MSEC2008/ICMP2008, Paper No. MSEC\_ICMP2008-72431, pp.1-7, Order No.1803CD, ISBN 0-7918-3836-6, ASME International & Journal JSME. 2008. (Conferinta ISI A-neindexata inca)

**R6. Pop, P.A.,** Ungur, P.A, Lazar, L., Marcu, F., “*The observations and suggestions about of objectively appraisals of modeling gypsum quality and composites of phonic-absorbent construction materials and orthopedic materials*”, 3rd Manufacturing Engineering Society International Conference –MESIC’09, Alcoy, 17-19 June 2009, Spain Proceeding Conference, pp.1026-1033, ISBN 978-84-613-3166-6; Abstract Book MESIC09 pp.114, ISBN 978-84-613- 3165-9, 2009.

**R7. Pop, P.A.,** Bejinaru-Mihoc, G., Ungur, P., “*The aspects about dynamic milling machining process*”, 12th International Research/Expert Conference” Trends in the Development of Machinery and Associated Technology” Proceedings of TMT 2008, August 26-30, 2008, Istanbul, Turkey, ISBN 978-9958-617-41-6, pp.117-120, 2008.

**R8. Ungur, P, Pop, P.A.,** Gordan, M., Veres, M., “*Method and indirect measurement device of dynamic viscosity of non-newton, reopexics liquids and granular suspensions*”, 12th International Research/Expert Conference” Trends in the Development of Machinery and Associated Technology” Proceedings of TMT 2008, Istanbul, Turkey August 26-30, 2008, Istanbul, Turkey, ISBN 978-9958-617-41-6, pp.969-972, 2008.

- R9. Pop, P.A.**, Ungur, P., Bejinaru-Mihoc, G., Veres, M., "Aspects about Lean Manufacturing and its impact about global economy", International Conference on Integrated Engineering- CI21, 2008 May 8-10, Timisoara, Academic Journal of Manufacturing Engineering, Volume 6, Issue 2/2008, ISSN 1583-7904. pp. 129-134, 2008
- R.10. Ungur, P., Pop, P.A.**, Veres, M., Iancu, C, Craciun, D., "The devices of filtering and terminal bionic treatment for drinking water", International Conference on Integrated Engineering-CI21, 2008 May 8-10 Timisoara, Academic Journal of Manufacturing Engineering, Volume 6, Issue 1/2008, pp. 157-161, ISSN 1583-7904, 2008.
- R.11. Pop, P.A.**, Ungur, P., Bejinaru-Mihoc, Gh., "Investigation of dynamic machining process at machine tools", 3rd International Conference on Manufacturing Science and Education-MSE 2007, European Tradition and Influence in Engineering Creation, Sibiu, Romania, July 12-14 2007, MSE2007 Proceedings Sibiu-Extended Abstracts, pp.61-62, Ed. „Lucian Blaga” University of Sibiu, ISSN 1843-2522, & Academic Journal of Manufacturing Engineering, Vol. 5, Supplement No.2/2007, pp.104-108, Ed. Politehnica University of Timisoara, ISSN-1583- 7904, 2007.
- R12. Ungur, P., Pop, P.A.**, Gordan, M., Stanasel, I., "Mobile compensator for special gearings with concurrent, crossed and parallel axes", 3thInternational Conference on Manufacturing Science and Education-MSE 2007, European Tradition and Influence in Engineering Creation, Sibiu, Romania, July 12-14 2007, MSE2007 Proceedings Sibiu-Extended Abstracts, pp.101-102, Editura „Lucian Blaga” University of Sibiu, ISSN 1843-2522, & Academic Journal of Manufacturing Engineering, Vol. 5, Supplement No.2/2007, pp.136-140, Editura Politehnica University of Timisoara, ISSN-1583-7904, 2007.
- R13. Ungur, P., Pop, P.A.**, Mihaila, I., Muresan, N., Hirte, D.," Hydraulic pump of high pressure", The 13th International Conference of Non-Conventional Technologies, ICNeT 2007, 17-18 May, Iasi, Nonconventional Technologies Review, No.4/2007, Special Number, pp.109- 115, Editor PIM Iasi, ISSN 1457-3087, 2007.
- R.14. Pop, P.A.**, Bejinaru-Mihoc, G., "Proceedings used for enhancing machining process", 11th International Research/Expert Conference" Trends in the Development of Machinery and Associated Technology" Proceedings of TMT 2007, Hammamet, Tunisia, 5-9, September 2007, Vol. XXVIII (62), pp. 191-194, ISBN 978-9958-617-34-8, 2007.
- R.15. Pop, P.A.**, Ungur, P., Gordan, M., "The adaptive control system using to high-speed machines", 11th International Research/Expert Conference" Trends in the Development of Machinery and Associated Technology" Proceedings of TMT 2007, Hammamet, Tunisia, 5-9, September 2007, Vol. XXVIII (62), pp. 207-210, ISBN 978-9958-617-34-8, 2007
- R16. Ungur P., Pop, P.A.**, Gordan M, Caraban, A., "Industrial waste using for green cleaning of lubricant oils of exhausted motor", microCAD 2007, International Scientific Conference 22-23 March 2007, University of Miskolc, Hungary, Section A-Watermanagement and Environment Protection, pp.155-160, ISBN 978-963-661-742-4 Ö, 2007.
- R17. Ungur, P., Gordan, M., Pop, A.P.**, Vereş, M., "A simple and efficient construction of face milling cutters with removable inserts for roughing milling process to plain surface", Proceedings of 7th International Conference on Technology and Quality for Sustained Development TQSD 2006, 25-27 May, Bucharest. University Politehnica of Bucharest, Academy of Technical Sciences of Romania, AGIR Publishing House, pp. 169-174, ISBN 973-720-035-7, 2006.
- R18. Ungur, P., Pop, P.A.**, Gordon, M., Veres, M., "The proceedings of straightening of steel concrete from rings of wires with interior surface of rotating disc" 10th International Research/Expert Conference" Trends in the Development of Machinery and Associated Technology" Proceedings of TMT 2006, Barcelona-Lloret de Mar, Spain, 11-15 September 2006, ISBN 9958-617-30-7, pp.269-272, 2006.
- R19. Ungur, P., Pop, P.A.**, Gordon, M., "The appreciations and aspects about horizontal centrifugal casting process of the steel bronze bimetallic bushes" 10th International Research/Expert Conference" Trends in the Development of Machinery and Associated Technology", Proceedings of TMT 2006, Barcelona-Lloret de Mar, Spain, 11-15 September 2006, ISBN 9958-617-30-7, pp.137-140, 2006.
- R.20. Ungur, P., Pop, P.A.**, Gordon, M., Bejinaru-Mihoc, G., "The mechanical variable-speed drive used for transport systems ", ISBN-10 86-83803-21-X, and ISBN-10 86-83803-21-2, pp.476-480, RadMI\_2006, Budava, Serbia-Montenegro, 2006.

**ALTE LUCRĂRI / REALIZARI RELEVANTE****GRANTURI / PROIECTE CÂȘTIGATE PRIN COMPETIȚIE****A. INTERNAȚIONALE**

**A1. "Academia Ungară de Științe" (MTA)** din Budapesta, prin "*Domus Hungarica et Atrium*" Grant No.67/XXXV Kuratorium –17Iulie/17August 2013-Budapesta (160000Ft=2416lei) cu tema: "*Advanced testing techniques of sonic-composite materials with applications in insulation constructions and noise-attenuation of environment*", **Director de grant.**

**A2. "Academia Ungară de Științe" (MTA)** din Budapesta, prin "*Domus Hungarica et Atrium*" Grant No.54/XXVII Kuratorium –Iulie 2010-Budapesta (90000Ft=1305lei) cu tema: "*Monitoring of minor river bed deformations on downstream between two bridges in superior zone of Black Crisul River*", **Director de grant.**

**A3. "Academia Ungară de Științe" (MTA)** din Budapesta, prin "*Domus Hungarica et Atrium*" Grant No.18/XXIV Kuratorium –Februarie 2009-Budapesta (90000Ft=1305lei) cu tema: "*Recovery of expandable polystyrene waste and their recycling in composition of phonic- absorbent construction materials for improving the thermal comfort*", **Director de grant.**

**A4. Ministerul Cercetării și Științei din Spania**, Grant tip „PAID-02-09”, No.3032/2009 (11Oct-11Dec 2009), Tema: "*Dimensional metrology of the process of transformation polilactico acid (PLA) with Long Glass Fiber*"; **Universitatea Politehnică din Valencia (UPV)** = 2950Euro, **Director grant de cercetare la UPV-Alcoy Spania.**

**A5. "Academia Ungară de Științe"(MTA)** din Budapesta, prin "*Domus Hungarica et Atrium*" Grant No.18/XXIV Kuratorium –Iulie 2007-Budapesta (90000Ft=1305lei) cu tema: "*Emphasize the sound pollution and vibrations in bridges of railway on Crisul Repede River from Oradea*", **Director de grant**

**B. NAȚIONALE**

**B1. Contract de cercetare cu mediul socio-economic:** Nr.2/09.02.2017, cu firma "SC TEHNO-CRIS INDUSTRIAL SERVICE SRL" din IAȘI, pe durata a 3 luni, tema "*Studiu privind reciclarea deșeurilor tehnologice din materiale plastice compozite*", Val=25190lei/5604Euro (1Euro=4,495 BNR 09.02.2017), **Director de grant.**

**B2. Grant CNCISIS:** de tip PNII-RU-MC2 2008, Program Resurse Umane, Mobilități Cercetători, Nr.217/2008, Conferința (ISI-A) ASME-MSEC/ICMP 2008 Evanston–Chicago, Northwestern University of Illinois, USA, Octombrie 2008, Val=6400lei (1Eur=3,661 BNR 31 Oct 2008), **Director de grant.**

**B3. Grant CNCISIS** de tip PNII-RU-MC2 2008, Program Resurse Umane, Mobilități Cercetători, Nr.172/2008, Conferința (ISI-A) ASME-ESDA 2008 Haifa, Technion University, Israel, Iulie 2008, Val=4219lei (1Eur=3,602 BNR 15 Iulie 2008), **Director de grant.**

**B4. Grant CNCISIS** de tip PNII-RU-MC2 2007, Program Resurse Umane, Mobilități Cercetători, Nr.70/2007, Conferința (ISI-A) ASME-IDETC/CIE 2007 Las Vegas, NV, USA, Septembrie 2007, Val=6558lei, (1Eur=3,359 BNR 14 oct 2007), **Director de grant.**

**B5. Grant CNCISIS** de tip PARTENERIATE NR. 71-075/2007, cu tema "Sistem informațional pentru o rețea logistică colaborativă dedicată IMM-urilor situate de-a lungul tronsonului român al drumului european E60", Acronim SIRLC/18.09.2007, Val=1491000 lei, **Membru in colectiv de cercetare in 2008.**

**B6. Grantul "SmartDoct"** Programe de înaltă calitate pentru doctoranzii și cercetătorii post doctorat ai Universității din Oradea pentru creșterea relevanței cercetării și inovării în contextul economiei regionale, Universitatea din Oradea, Cod 123008, Proiect cofinanțat Fondul Social European prin Programul Operațional Capital Uman 2014-2020, Perioada 18.06.2019-18.12.2021, Val=6437000 lei/1327000 Euro, **Mentor inginerie industrială**

**VIZIBILITATE ÎN BAZE DE DATE INTERNAȚIONALE****CITĂRI ISI/BDI/ALTE REVISTE****CITARI ISI**

**LA1** Jorda-Vilaplana, A., Carbonell-Verdu, A., Samper, M.D., **Pop, A.** & Garcia-Sanoguera, D. (2017), "Development and characterization of a new natural fiber reinforced thermoplastic (NFRP) with Cortaderia selloana (Pampa grass) short fibers", *Composites Science and Technology (COMPOS SCI TECHNOL)*, Volume: 145, Pages: 1-9, ISSN: 0266-3538, eISSN: 1879-1050, DOI: 10.1016/j.compscitech.2017.03.036 Published: JUN 16 2017, Elsevier Ed., IDS No. EV6MN, (IMP-5,429 in 2017, IMP-9.12 in 2023, Q1, zona roșie), 2017. – **36 Citări ISI**

<https://1710qgise-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/3baf9e91-d352-40e4-902d-437c2e13bc4c-0199a65ace/date-descending/1>

**Citări pt LA1**

1 Recent Progress in Fiber Reinforced Polymer Hybrid Composites and Its Challenges-A Comprehensive Review, Mohanraj, CM; Rameshkumar, R; (...); Kumar, R., Dec 31 2025, *JOURNAL OF NATURAL FIBERS*, 22(1)

2 Chemical and Mechanical Characterization of Treated and Untreated Woven Figue Fiber Textiles as an Alternative External Reinforcement for Concrete, Sarmiento, VL; Benjumea, JM and Ortiz, MR, Dec 31 202, *JOURNAL OF NATURAL FIBERS*, 22(1)

3 Thermal and viscoelastic behaviors of recycled polyvinyl chloride/styrene-acrylonitrile blend composites incorporating treated date palm fibers, Maou, S; Meftah, Y; (...); Grohens, Y., Nov 2025 (Early Access), *JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS*

4. Alkali Treatment Effects on the Tensile Characteristics of Vacuum-Infused Banana and Flax Woven Fiber Composites, Sattar, S; Farooqi, JK and Zahid, B., Oct 2025, *MEHRAN UNIVERSITY RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY*, 44(4), pp.85-100

5 Green chemistry approaches in materials science: physico-mechanical properties and sustainable applications of grass fiber-reinforced composites, Pattnaik, SS; Behera, D; (...); Behera, AK, Mar 3 2025, *GREEN CHEMISTRY* 27(10), pp.2629-2660

6. Potential for using oiticica fruit residue in the development of thermoplastic matrix composites, Borba, CHD; Lima, PF; (...); Ueki, MM 2024 *MATERIA-RIO DE JANEIRO* 29 (1)

7 Effect of plasma treatment on the morphology, mechanical, and wetting properties of polyethylene/banana fiber composites Anjumol, KS; Sumesh, KR; (...); Spatenka, P, Dec 2024 *BIOMASS CONVERSION AND BIOREFINERY*, 14 (23) , pp.30239-30250

8 Development of Novel Reprocessed Composite Materials from Municipal Solid Waste - a Review, By Abu Hassan, Shukur Bin Hj, *ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES*, DOI10.1080/2374068X.2023.2222470, JUNE 2023

9 comprehensive review to evaluate the consequences of material, additives, and parameterization in rotational molding, By Yadav, J; Ramkumar, PL and Parwani, AK, *JOURNAL OF POLYMER RESEARCH*, Vol 30, Issue 6, DOI10.1007/s10965-023-03591-z, JUNE 2023

10. Some mechanical properties of WPCs with wood flour and walnut shell flour, By Bal, BC (Bal, Bekir Cihad), *POLIMEROS-CIENCIA E TECNOLOGIA*, Vol 33, Issue 2, DOI10.1590/0104-1428.20230005, AUG 2023.

11. Investigation and prediction of mechanical properties of hot water treated jute/poly(lactic acid) composite laminates using response surface methodology and genetic algorithm, By Zhang, WX; He, CX , *POLYMER COMPOSITES*, Vol 43, Issue 20, pp. 7170-7186, DOI10.1002/pc.26780, OCT 2022

12. Degradation of newly developed date palm agro-residues-filled polyethylene biocomposites in the planktonic and benthic zones of a marine environment, By Abed, RMM, Muthukrishnan, T., Nassar, MMA, Al Battashi, H., Alzebedeh, KI, *BIOMASS CONVERSION AND BIOREFINERY*, DOI10.1007/s13399-022-02514-0, MAR 2022

13 Facile preparation of self-assembled high-performance cellulose based composite, Yan, M; Lu, HL; (...); Zhou, XF., *COMPOSITES SCIENCE AND TECHNOLOGY*, Vol 221, DOI10.1016/j.compscitech.2022.109311, APR 2022

14. Physico-Chemical and Thermomechanical Analysis and Characterization of a Thermoplastic

Composite Material Reinforced by *Washingtonia Filifera* Novel Vegetable Fibers, By Gaagaia, DE; Bouakba, M; (...); Boutasseta, N., INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH IN AFRICA, Vol 59, pp. 43-55, DOI10.4028/p-8ew64s, JUNE 2022.

15 Obtention and characterization of polypropylene composites reinforced with new natural fibers from *Yucca aloifolia* L., By Nascimento, HM., Granzotto, DCT., Radovanovic, E., Favaro, SL., COMPOSITES PART B-ENGINEERING, Vol 227, DOI10.1016/j.compositesb.2021.10941, DEC 2021

16. Effect of various chemical modifications of date palm fibers (DPFs) on the thermo-physical properties of polyvinyl chloride (PVC)-high-density polyethylene (HDPE) composites, By Maou, S., Meghezzi, A., Grohens, Y., Meftah, Y., Kervoelen, A., Magueresse, A., INDUSTRIAL CROPS AND PRODUCTS, Vol 171, DOI10.1016/j.indcrop.2021.113974, NOV 2021.

17. On Mechanical Behavior of Pine Nut Shell and Polyurethane Derived from Castor Oil Green Composite, By Protzek, GR., Magalhaes, WLE; Berti, LF., Azevedo, EC., JOURNAL OF NATURAL FIBERS, Vol 19, Issue14, pp.7454-7469, DOI10.1080/15440478.2021.1947936, OCT 2022, Early access JUL 2021.

18. Contribution to a Circular Economy Model: From Lignocellulosic Wastes from the Extraction of Vegetable Oils to the Development of a New Composite, By Dominguez-Candela, I., Garcia-Garcia, D., Perez-Nakai, A., Lerma-Canto, A., Lora, J., Fombuena, V., POLYMERS, Vol 13, Issue 14. DOI10.3390/polym13142269, JUL 2021.

19. Characterization of natural cellulosic fibers from *Yucca aloifolia* L. leaf as potential reinforcement of polymer composites, By do Nascimento, HM., dos Santos, A., Duarte, VA., Bittencourt, PRS., Radovanovic, E., Fávaro, SL., CELLULOSE, Vol 28, Issue9, pp.5477-5492, DOI10.1007/s10570-021-03866-y, JUN 2021.

20. Pyrolysis technology for *Cortaderia selloana* invasive species. Prospects in the biomass energy sector, By Pérez, A., Ruiz, B., Fuente, E., Calvo, LF., Paniagua, S., RENEWABLE ENERGY, Vol 169, pp. 178-190, DOI10.1016/j.renene.2021.01.015, MAY 2021.

21. Physical, mechanical and thermal properties of low-density polyethylene reinforced with PET-coated SBS paperboard shavings applying different processing conditions, By Venzon, JS., Vegini, JR, Eleotério, DV., Tavares, LBB., MATERIA-RIO DE JANEIRO, Vol 26, Issue2, DOI10.1590/S1517-707620210002.1287, JUN 2021.

22. Physical, mechanical and thermal properties of low-density polyethylene reinforced with PET-coated SBS paperboard shavings applying different processing conditions, By Venzon, JS., Vegini, JR, Eleotério, DV., Tavares, LBB., MATERIA-RIO DE JANEIRO, Vol 26, Issue1, DOI10.1590/S1517-707620210001.1248, APR 2021.

23. Recent advancements of plant-based natural fiber-reinforced composites and their applications, By Li, M., Pu, YQ., Thomas, VM., Yoo, CG., Deng, YL., Nelson, K. Ragauskas, AJ., COMPOSITES PART B-ENGINEERING, Vol 200, DOI10.1016/j.compositesb.2020.108254, NOV 2020.

24. Impact of Hot Water Treated Lotus Leaves on Interfacial and Physico-Mechanical of Gelatin/Lotus Leaf Composites By: Zhang, Weixing; He, Chunxia; Wei, Zhengqi; et al. JOURNAL OF POLYMERS AND THE ENVIRONMENT Vol: 28 , Issue: 12 Pages: 3270-3278 Published: DEC 2020

25. Horticulture Industry Adoption of Biodegradable Containers By: Harris, Bethany A.; Florkowski, Wojciech J.; Pennisi, Svoboda V. HORTTECHNOLOGY Volume: 30 Issue: 3 Pages: 372-384 Published: JUN 2020

26. Effects of various surface treatments on Aloe Vera fibers used as reinforcement in poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) biocomposites By: Dehouche, Nadjet; Idres, Celia; Kaci, Mustapha; et al. Conference: 7th International Conference on Biobased and Biodegradable Polymers (BIOPOL) Location: Stockholm, SWEDEN Date: JUN 17-19, 2019 POLYMER DEGRADATION AND STABILITY Volume: 175 Article Number: 109131 Published: MAY 2020

27. Characterization Studies of Natural Cellulosic Fibers Extracted from *Shwetark* Stem, By: Raja, K.; Prabu, B.; Ganeshan, P.; et al. JOURNAL OF NATURAL FIBERS, Volume18Issue11Page1934-1945, DOI10.1080/15440478.2019.1710650, NOV 2-21, Early Access: JAN 2020

28. Recent research status on synthesis and characterization of natural fibers reinforced polymer composites and modern friction materials? An overview By: Saindane, Udaykumar V.; Soni, Sandeep; Menghani, Jyoti V. Conference: 10th International Conference of Materials Processing and Characterization (ICMPC) Location: GLA Univ, Mathura, INDIA Date: FEB 21-23, 2020 MATERIALS

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TODAY-PROCEEDINGS Volume: 26 Pages: 1616-1620 Part: 2 Published: 2000

29. On the Use of Gallic Acid as a Potential Natural Antioxidant and Ultraviolet Light Stabilizer in Cast-Extruded Bio-Based High-Density Polyethylene Films By: Quiles-Carrillo, Luis; Montava-Jorda, Sergi; Boronat, Teodomiro; et al. POLYMERS Volume: 12 Issue: 1 Article Number: 31 Published: JAN 2020
30. Natural fiber thermoplastic composites in terms of new production technologies: A review By: Akdogan, Anil; Vanli, Ali Serdar PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI Volume: 26 Issue: 1 Pages: 30-36 Published: 2020
31. The effect of doum palm fibers on the mechanical and thermal properties of gypsum mortar By: Fatma, Naiiri; Allegue, Lamis; Salem, Mehdi; et al. JOURNAL OF COMPOSITE MATERIALS Volume: 53 Issue: 19 Pages: 2641-2659 Published: AUG 2019
32. Utilization of volcanic amorphous aluminosilicate rocks (perlite) as alternative materials in lightweight composites By: Raji, Marya; Nekhlaoui, Souad; El Amrani El Hassani, Iz-Eddine; et al. COMPOSITES PART B-ENGINEERING Volume: 165 Pages: 47-54 Published: MAY 15 2019.
33. Characterization of cellulosic fibre from Phoenix pusilla leaves as potential reinforcement for polymeric composites By: Madhu, P.; Sanjay, M. R.; Pradeep, S.; et al. JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Volume: 8 Issue: 3 Pages: 2597-2604 Published: MAY-JUN 2019.
- 34 Properties of selected biodegradable seedling plug-trays By: Zhang, Xinyue; Wang, Chun; Chen, Ying SCIENTIA HORTICULTURAE Volume: 249 Pages: 177-184 Published: APR 30 2019
35. Study on the Effect of Surface Modification on the Mechanical and Thermal Behaviour of Flax, Sisal and Glass Fiber-Reinforced Epoxy Hybrid Composites By: Meenakshi, C. M.; Krishnamoorthy, A. JOURNAL OF RENEWABLE MATERIALS Volume: 7 Issue: 2 Pages: 153-169 Published: MAR 2019.
- 36 Understanding the durability of long sacred grass/Imperata cylindrica natural/hybrid FRP composites By: Srinivasababu, Nadendla DURABILITY AND LIFE PREDICTION IN BIOCOMPOSITES, FIBRE-REINFORCED COMPOSITES AND HYBRID COMPOSITES Book Series: Woodhead Publishing Series in Composites Science and Engineering Pages: 287-300 Published: 2019

**AL2** Experimental research about characterization of novel porous composites with special applications, **Pop, PA**, and Luca-Motoc, D, Jul-Aug 2015, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 17(7-8), pp.943-951, **1 citare ISI**

<https://1710qgise-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/c2ba6827-c340-4596-b345-9c27972e7afb-0199a8a6e5/date-descending/1>

1 The Crucial Role of Additives in the Properties of Perlite- and Gypsum-Based Superabsorbent Composites I: The Development of Composite Carrier Materials for Biological Mosquito Larva-Killing Agents, Kótai, L; Tamics, E; (...); Béres, KA, Dec 2024, JOURNAL OF COMPOSITES SCIENCE 8(12)

**AL3.** Luca-Motoc, D., **Pop, P.A.**, Bejinaru-Mihoc, G., “A perspective in sizing the main influencing factors on the thermal properties of different metal/non-metal powders”, 7th International Conference on Materials Science and Engineering – BRAMAT 2011, Poiana Brasov, Romania, 24-26 February, 2011, Metalurgia International J., Vol. XIV (2011), No.4, pp.97-100, ISSN 1582-2214, IDS No. 745SR. (IMP - 0.084 in 2011), 2011. **2 Citări ISI**

<https://1710qgise-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/c2ba6827-c340-4596-b345-9c27972e7afb-0199a8a6e5/date-descending/1>

1. Ultra-high molecular weight polyethylene uhmwpe behaviour in injection molding processes By: Mitu, Leonard Gabriel; Rosca, Ileana Constanta; Ferrandiz Bou, Santiago, Metalurgia International Volume: 18 Special Issue: 5 Pages: 103-106 Published: 2013

2 CTE assessment of various glass fibre reinforced polymer composite architectures By: Pop, Mihai Alin; Luca Motoc, Dana; Constantinescu, Alexandru; et al. Metalurgia International Volume: 18 Special Issue: 5 Pages: 131-134 Published: 2013

**AL4. Pop, P.A.,** "The study of cutting forces about dynamic stability of milling machine tools", Proceedings of The 9th Biennial ASME Conference on Engineering Systems Design and Analysis ESDA2008 July 7-9, 2008, Haifa, Israel, ASME Book Group Authors, Vol. 2, pp. 617- 626, 2009, ISBN 978-0-7918-4836-4, IDS No. BIX59, ASME International New York, 2009 - **2 Citări ISI**

<https://1710qgise-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/c2ba6827-c340-4596-b345-9c27972e7afb-0199a8a6e5/date-descending/1>

1. Dynamic damping of machining vibration: a review By: Muhammad, Bashir Bala; Wan, Min; Feng, Jia; et al. INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY Volume: 89 Issue: 9-12 Pages: 2935-2952 Published: APR 2017

2. Incidence Analysis on Characteristic of High Speed Ball-end Milling Hardened Steel By: Jiang, B.; Yang, Y. J.; Liu, X. L.; et al. Conference: 4th International Conference on High Speed Machining Location: Guangzhou, PEOPLES R CHINA Date: OCT 09-10, 2010 Sponsor(s): Natl Nat Sci Fdn China; Chinese Soc Adv Machin & Mfg Technol; CMES, Comm Cutt Technol Product Engn; Guangdong Mech Engn Soc HIGH SPEED MACHINING Book Series: Advanced Materials Research Volume: 188 Pages: 73-77 Published: 2 011

**AL5.** "Tailoring Thermal Properties of Hybrid Glass Fibers/Carbon Fibers Reinforced Polymeric Composites"-Motoc, D.L., **P.A. Pop**, S. Ferrándiz & N. Dadirlat citat in "Coefficient of thermal expansion evolution for cryogenic preconditioned hybrid carbon fiber/glass fiber-reinforced polymeric composite materials"- **1 Citare ISI**

<https://1710qgise-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/c2ba6827-c340-4596-b345-9c27972e7afb-0199a8a6e5/date-descending/1>

1. D. Luca Motoc, J. Ivens & N. Dadirlat, Journal of Thermal Analysis and Calorimetry 112(3), June 2012, Impact Factor: 2.04, DOI: 10.1007/s10973-012-2560-7.

#### Citări /BDI/Alte reviste

3.B.15. Bejinaru-Mihoc, G, Pop, P.A., Geamanu, H., Cazangiu, D., Mitu, L., "A review of the drilling processes of composite materials", Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. X (XX), Nr.1/2011, CD\_ROM Ed., pp. 4.5 – 4.12, ISSN 1583-0691, Editor University of Oradea, 2011. (BDI: Ulrich's, Index Copernicus, ICAAP, Google Scholar).

3.F.37. "An overview of composite materials technology and their development in multisectorial applications"-B. Florean, G. Viziteu, A. Niagu and A. Pruteanu, Conference Paper • October 2012, DOI: 10.1109/ICEPE.2012.6463944, Conference: Electrical and Power Engineering (EPE), 2012 International Conference and Exposition on (BDI).

3.B.26. Pop, P.A., Ungur, P., Bejinaru-Mihoc, G., "The aspects about rapid prototyping system", Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2008, pp.169, CD\_ROM Ed., pp.996-1001, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich's).

3.F.38. "High aspect ratio- and 3D- printing of freestanding sophisticated structures"-A. Kain, C. Mueller, H. Reinecke, Proceedings of the Eurosensors XXIII conference and published in Procedia Chemistry 1 (2009) 750–753, www.elsevier.com/locate/procedia; 1876-6196/09© 2009 Published by Elsevier B.V. doi:10.1016/j.proche.2009.07.187 (BDI).

3.B.27. Pop, P.A., Ungur, P., Bejinaru-Mihoc, G., "About fabrication of microlenses arrays", Annals of the Oradea University, Fascicle of Management and Technological Engineering, Vol. VII (XVII) 2007, pp.170, CD\_ROM Ed., pp.1002-1007, ISBN 1583-0691, Editor University of Oradea, 2008. (BDI: Ulrich's).

3.F.39. "Fast and Fine Tool Servo for Ultraprecision Machining"", Senthil Kumar Anantharajan, Aravind Raghavendra, Dennis Wee Keong Neo and Mozibur Rahman, DOI: 10.1016/B978-0-08-096532-1.01104-3 In book: Comprehensive Materials Processing, Vol 11: Advanced Machining Technologies, Edition: 1st Edition, Chapter: Fast and Fine Tool Servo for Ultraprecision Machining, Publisher: Elsevier Ltd, Editors: M. Rahman, pp.61-88 (BDI).

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**MEMBRU ÎN COLECTIVELE DE REDACȚIE SAU COMITETE ȘTIINȚIFICE ALE REVISTELOR ȘI MANIFESTĂRILOR ȘTIINȚIFICE,**
**REVISTE INDEXATE ISI (Recenzor)**

- 1. European Polymer Journal (EPJ)**, Elsevier Editor, *Anul 2017*: EUROPOD-17-1540, *Anul 2016*: EUROPOD-2016-83-VO, *Anul 2014*: EUROPOD-D-14-00994, *Anul 2010*: EUROPOD-D-10-01129, **T=4 lucrari recenzate**
- 2. Polymer Composites**, John Wiley & Sons Editor, **Reviewer**. *Anul 2017*: PC-17-1426 (PC-17-1426R1), *Anul 2015*: PC-15-1752, (PC-15-1752R1-feb2016), *Anul 2014*: PC-13-1830 (ian2014); PC-14-0054 (14-0054R1), *Anul 2013*: PC-13-0449, PC-13-1583, *Anul 2011*: PC-11-0734; PC-11-0761 **T= 9 lucrari recenzate**
- 3. Polymer Engineering & Science**, John Wiley & Sons Editor, *Anul 2014*: PES-14-1252, *Anul 2013*: PES-13-0252, **T=2 lucrari recenzate**
- 4. Textile Research Journal**, SAGE Editor. *Anul 2024*: TRJ-24-0176, TRJ-24-0397, *Anul 2023*: TRJ-22-0493, TJR-22-0494, TJR-23-0238, TJR-23-0406, *Anul 2022*: TRJ-22-0272, TJR-22-0393, TJR-22-0394, *Anul 2021*: TRJ-21-0105, TRJ-21-0334, TRJ-21-0340, TRJ-21-0564, *Anul 2020*: TRJ-20-0094, (20-0094R1); TRJ-20-0095, TRJ-20-0249, *Anul 2019*: TRJ-19-0154, (-19-154R1, -19-0154R2); *Anul 2018*: TRJ-18-0145, TRJ-18-0337 (-18-0337R1, -18-0337R2); *Anul 2017*: TRJ-17-0030, (-17-0030R1); TRJ-17-0209, TRJ-17-0479, *Anul 2016*: TRJ-15-0686, (31 ian 2016); TRJ-16-0389. *Anul 2015*: TRJ-14-0523 (11 ian 2025); TRJ-15-0088; TRJ-15-0198; TRJ-15-0457. *Anul 2014*: TRJ-14-0092 (-14-0092R1, -140092R2); TRJ-14-0144; TRJ-14-0299; TRJ-14-0391; *Anul 2013*: TRJ-12-0641, TRJ-13-0169; TRJ-13-0284). *Anul 2012*: TRJ-12-0050; TRJ-12-0178; TRJ-12-0375; TRJ-12-437 TRJ-12-558; *Anul 2010*: TRJ-10-0399 **T=41 lucrari recenzate**
- 5. Journal of Elastomers and Plastics**, SAGE Editor, *Anul 2018* (JEP-17-0111), *Anul 2013* (JEP-13-0030) **T=2 lucrari recenzate**
- 6. Journal of Applied Polymer Science**, John Wiley & Sons Editor, *Anul 2016*: APP-2016-01-0091; APP-2015-12-4066, *Anul 2015*: APP-2014-14-4362; APP-2014-12-4420; APP-2015-02-0647; APP-2015-03-0947; APP-2015-04-1329; APP-2015-05-1767; APP-2015-06-2137; APP-2015-08-2697; APP-2015-11-3739, *Anul 2014*: APP-2014-01-0070; APP-2014-04-1486; APP-2014-06-1952; APP-2014-06-2191R1; APP-2014-08-2931; APP-2014-09-3249R1, APP-2014-10-3813, **T = 18 lucrari recenzate**
- 7. Computer Method in Biomechanics and Biomedical Engineering**, Taylor & Francis Editor, *Anul 2011-12*: GCMB-2011-0257R1/R2; GCMB-2011-0257 – **1 lucrare recenzata**
- 8. Fibers and Polymers**, Springer Editor: *Anul 2012*: FIPO-D-12-00017, **1 lucrare recenzata**
- 9. Materials Science and Engineering: B, Advanced Functional Solid-State Materials**, Elsevier Editor, *Anul 2011*: MSB-D-11-01106 **T=1 lucrare recenzata**
- 10. Applied Clay Science (CLAY)**, Elsevier Editor, *Anul 2020*: CLAY-2020-14553, *Anul 2019*: CLAY-2019-13166, *Anul 2016*: CLAY-2016-8611, **T=3 lucrari recenzate**
- 11. Polymer Testing (POTE)**, Elsevier Editor. *Anul 2017*: POTE-2017-1512, **T= 1 lucrare recenzata**
- 12. Rapid Prototyping Journal (RPJ)**, Clarivate Analytics - Emerald Pub. *Anul 2019*: RPJ-08-2019-0217, *Anul 2018*: RPJ-11-2018-0279, **T=2 lucrari recenzate**
- 13. Journal of Building Engineering (JOB)**, Ed. Elsevier, *Anul 2020*: JOBE-2020-2692
- 14. Composites Part B: Engineering**, Elsevier Ed. *Anul 2019*: JCOMB-2019-431

**Conferințe ISI A, la Congrese/Conferințe ASME din USA, Recenzor, Chair/Co-chair Session**

1. Congress ASME-IMECE2013, Nov. 15-21, 2013, San Diego, CA, USA Conferința ISI-A - **Reviewer** of SYMP 2-7-“Clinical Application of Bioengineering” (Prof. Karen Yan, College of New Jersey, and Prof. Thomas James, Tufts University, MA, USA)
- 2 Congress ASME-IMECE2012, Nov. 9-15, 2011, Houston, TX, USA, Conferința ISI-A, - **Reviewer** of SYMP 2-7-“Clinical Application of Bioengineering” (Prof. Karen Yan, College of New Jersey, and Prof. Thomas James, Tufts University, MA, USA); **Reviewer** of SYMP 13-5-“Acoustic and Elastic Wave Propagation” at Congress IMECE2012-Houston, TX, USA (Sue Sung, PhD, G.M. Research, MI, USA)
3. Congress ASME-IMECE2011, Nov. 11-18, 2011-Denver, CO, USA Conferința ISI-A - Co-chair of Session 8-3-3 “Vibration and Acoustics in Biomedical Application”, (Prof. Karen Yan, College of New Jersey);- **Chair** of Session 8-7-5 “Rehabilitation”, (Prof. Karen Yan, College of New Jersey); **Reviewer** of SYMP 8-7-“Bioengineering and Clinical Application” (Prof. Xiaoning Jiang, NC State University, Raleigh, NC, USA)
4. Conferința ASME-MSEC2011, June 13-17 2011, Oregon University, Corvallis, OR, USA, Conferința ISI-A. **Reviewer** of SYMP 2-1-“Advances in Plastic Forming of Metals and Other Materials” (Prof. Gracious Ngaile, North Carolina State University)
- 5 Congress ASME-IMECE2010, Nov.12-18, 2010, Vancouver, CA, Conferința ISI-A, **Co-chair** of Session 2-8-3-“Bioengineering and Medical Applications”(Prof. Karen Yan, College of New Jersey); **Reviewer** of Session 2-8-4-

“Bio-engineering and Medical Application” (Prof. Karen Yan, College of New Jersey), 2010

6. Conferinta DAAAM 2010, 20-23 Oct. 2010, Zadar, Croatia, Conferință ISI, **Member** in “DAAAM Reviewing Committee” si “DAAAM International Program Committee”, 2010

7. Conference ASME-MSEC 2010, Oct. 12-15 2010, Erie, PA, USA, Conferinta ISI-A **Co-chair** of Session 9-2-“Sheet and tube hydroforming-I” (Prof. Gracious Ngaile-North Carolina State University); **Reviewer** of SYMP9-“Advances in Materials Forming” at (Prof. Gracious Ngaile-North Carolina State University), 2010

8 Congress ASME-IMECE2009, Nov. 13-19 2009, Lake Buena Vista, FL, USA. **Co-chair** of Session 2-8-3-“Bioengineering and Medical Applications” (Prof. Karen Yan, College of New Jersey), **Reviewer** of Session 20-1-2 “Sound Propagation” at (Adam K. Smith, NIOSH, PA, USA), 2009

9 Conferinta DAAAM 2009, 25-28 Nov. 2009, Viena, Austria. **Member** in “DAAAM Reviewing Committee” si “DAAAM International Program Committee”, 2009

10. Conference ASME-MSEC2009, October 4-7, 2009, West Lafayette, IN, USA. **Reviewer** of Session 8-2-“Advanced in Material Forming”, (Prof. Richard Onyancha, Purdue University, IN, USA), 2009

11. Conference ASME-IDETC/CIE2009, August 30-September 2, 2009, San Diego, CA, USA. **Reviewer** of Session VIB-13 (Prof. Alberto Luo – Univ. of Southern Illinois, USA), 2009

12 Conference ASME-IDETC/CIE2008, 3-6 August 2008, New York, USA. **Reviewer** of Session MR-5 (Mechanism and Robotics) (Prof. Jeffrey Ge – University of Stony Brook, USA), 2008

13 Conference ASME-IDETC/CIE2007, Sept.4-7, 2007, Las Vegas, NV, USA. Co-chair of Session VIB-21-1-“Vibration and Control of Manufacturing Systems-I”, (Prof. Horn-Sen Tzou- University of Kentucky), 2007

### **DISTINCȚII INTERNAȚIONALE**

1. Certificate of Appreciation for individual dedication of service to SME for 10 years”, Nov. 13, 2014, Society of Manufacturing Engineering, Dearborn, MI, USA.

2. Outreach of Continuing Education Diploma (CEU) “Theoretical and Applied Mechanics 2010”, 26 hours of Instruction or 2.6 CEUs 27 June-2July 2010, The Pennsylvania State University, University Park, PA, USA

### **MEMBRU ÎN ACADEMII, ORGANIZAȚII, ASOCIAȚII PROFESIONALE DE PRESTIGIU, NAȚIONALE ȘI INTERNAȚIONALE**

1. **Academia de Științe Ungare (HAS)** din Budapesta, Membru din 2009-prezent

### **ASOCIAȚII PROFESIONALE**

1. **American Society of Mechanical Engineering (ASME)**, New York, USA, Membru din 2006-prezent

2. **Society of Manufacturing Engineering (SME)**, Sheffield, MI, USA, Membru din 2004-Prezent

3. **Asociația pentru Inginerie Integrată și Management Industrial (AIIMI)**, Membru din 2013-Prezent

4. **Asociația Română de Robotica (ARR)**, Membru din 2003-Prezent

### **ORGANIZAȚII ÎN DOMENIUL EDUCAȚIEI ȘI CERCETĂRII**

1. **ARACIS, Comisia de Inginerie Mecanică**, Expert evaluator ARACIS -1442, din 2006-prezent

2. **Universitatea Politehnica din Valencia (UPV-ES)**: Evaluator Extern Teza Doctorat EU la UPV-ES din 2011; - Evaluator teză EU la UPV-ES, Dec 2013

3. **ERA-MIN 3, Call of 2023**, Membru în Comitet Științific de Evaluare, Raportor, EU Horizon 2020, 05-09.2023,

4. **ERA-MIN 3, Call of 2021**, Membru în Comitet Științific de Evaluare, Raportor, EU Horizon 2020, 03-11.2021,

5. **ERA-MIN 3**, Membru in Comitet Științific de Evaluare, EU Horizon 2020, 03-11.2017,

6. **NineSigma Inc., Cleveland, Ohio, USA (Evaluare Proiecte)**: Membru in grupul” Experts of Additive Manufacturing”-NineSigma.Inc, Cleveland, Ohio, USA, Membru din 2014-prezent.