PERSONAL INFORMATION MACHEDON PISU TEODOR



Professor dr. eng.
Dean of Materials Science and Engineering Faculty .

WORK EXPERIENCE

1998– present	**Professor dr. eng** Research and education UNIVERSITATEA TRANSILVANIA din Braşov Materials Science and Engineering Faculty Materials Engineering and Welding Department
1995– 1998	**Asist. prof. dr. eng** Research and education UNIVERSITATEA TRANSILVANIA din Braşov Materials Science and Engineering Faculty Materials Engineering and Welding Department
1992– 1995	**Lecturer dr. eng** Research and education UNIVERSITATEA TRANSILVANIA din Braşov **Materials Science and Engineering Faculty** **Materials Engineering and Welding Department**
1988 – 1992	**Asistant eng.** Research and education UNIVERSITATEA TRANSILVANIA din Braşov Materials Science and Engineering Faculty Materials Engineering and Welding Department
1980 – 1988	**Engineer, chief workshop IPMPB Pitesti** Manufecturing enginering IPMPB Pitesti
2000 – 2012	Head of Department IMS, Transilvania University of Brasov
2012 – present	**Dean of Materials Science and Engineering Faculty .**
2009 – present	**Materials engineering PhD supervisor**

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EDUCATION AND TRAINING

1991 – 1994	**PhD**
	Materials science and engineering field
	Universitatea TRANSILVANIA din Braşov
1975 – 1980	**Engineer - Universitary study**
	Welding equipment and tehnologies
	Universitatea TRANSILVANIA din Braşov
2012	Formator ANC – S.C. IRCETT S.A. Cluj Seria D nr. 0323

Experienţă în domeniul I/IFR

Communicative, team spirit - gained membership in the Leonardo da Vinci program and project coordinator of numerous training and scientific research

Good knowledge of quality control processes and management (now the dean and coordinator of the master program
Romania Welding Association; Association for unconventional technologies
UTS specialization coordinator, ISI and ISMA, CNCSIS, CEEX, RAQAHE etc.
Oficial doctoral theses.
Organiser international conf BRAMAT 2005 BRAMAT 2007 WELDING 2006 BRAMAT 2009 BRAMAT 2011. BRAMAT 2013
NURC 2008 winning article ISI
The publication of 14 books and 32 articles in ISI

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	3	3	3	3	3

2022

LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)
Publications indexed Web of Science or ERIH

PhD supervisor MACHEDON PISU Teodor

1. Catalina-Andreea Dascălu, Andreea Maidaniuc, Andreea Madalina Pandele, Stefan Ioan Voicu, **Teodor Machedon-Pisu**, George E. Stan, Anisoara Cimpean, Valentina Mitran, Iulian Vasile Antoniac, Florin Miculescu
Synthesis and characterization of biocompatible polymer-ceramic film structures as favorable interface in guided bone regeneration- *Applied Surface Science - 0169-4332* Applied Surface Science 494 (2019) 335–352 *FI 5,155* https://doi.org/10.1016/j.apsusc.2019.07.098 WOS:000487838900040

2. Aura-Cătălina Mocanu, Marian Miculescu, **Teodor Machedon-Pisu**, Andreea Maidaniuc, Robert Cătălin Ciocoiu, Mariana Ioniță, Iuliana Pasuk, George E. Stan,, Florin Miculescu
Internal and external surface features of newly developed porous ceramics with random interconnected 3D channels by a fibrous sacrificial porogen method - *Applied Surface Science - 0169-4332* Applied Surface Science 489 (2019) 226–238 *FI 5,155* https://doi.org/10.1016/j.apsusc.2019.05.354 WOS:000474530600024

3. Andreea Maidaniu, Florin Miculescu,*, Stefan Ioan Voicu, Corina Andronescu, Marian Miculescu, Ecaterina Matei, Aura Catalina Mocanu, Ion Pencea, Ioana Csaki, **Teodor Machedon-Pisu**, Lucian Toma Ciocan. Induced wettability and surface-volume correlation of composition for bovine bone derived hydroxyapatite particles - *Applied Surface Science - 0169-4332 - FI 4,439, SRI 1,47 2* 438 (2018) 158–166 11 July 2017 WOS:000425731200017 (Articol ISI 2018 Machedon 1 pdf)

4. Florin Miculescu, Aura C˘at˘alina Mocanu, George E. Stan, Marian Miculescu,*, Andreea Maidaniuc, Anisoara Cîmpean, Valentina Mitran, Stefan Ioan Voicu, **Teodor Machedon-Pisu**, Lucian Toma Ciocan. Influence of the modulated two-step synthesis of biogenic hydroxyapatite on biomimetic products' surface - *Applied Surface Science - 0169-4332 - FI 4,439, SRI 1,47,* 438 (2018) 147–157 11 July 2017 WOS:000425731200016 (Articol ISI 2018 Machedon 2 pdf)

5. Miculescu, F. Jepu, G.E. Stan, M. Miculescu, S.I. Voicu, C. Cotrut, **T. Machedon Pisu**, S. Ciuca *Tailoring the electric and magnetic properties of submicron-sized metallic multilayered systems by TVA atomic inter-diffusion engineered processes - Applied Surface Science - 0169-4332 - FI 2,711, SRI 1,442 vol 358 partB, pp 619-626 – 15.012 2015.* (Articol ISI 2015 Machedon 12 pdf)

6. Luca M. A.; **Machedon Pisu T**, Vibration influence on polycrystalline structure and internal friction of the material deposited by welding, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume:. 15, No. 7- 8, July – August 2013, p. 655 – 661,(10Luca)

7. LucaM. A.; **Machedon Pisu T**, Studies concerning the modification of longitudinal elastic modulus and logarithmic decrement while heat treating C45 steel, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 13 Issue: 1-2 Pages: 106-110 Published: JAN 2011 (21Luca)

8. Vas A., **Machedon Pisu T.,** Plasma cutting metallic materials – carbon steel, Metalurgia International 04/2013,Pag.87– 90, ISSN 1582-2214

9. **Machedon Pisu T.,** Magyari M. Research on cladding (cmt mig, wig arc mechanized pulse) for molds used for casting , Metalurgia International 05/2013,Pag.89– 94, ISSN 1582-2214

10. **Machedon Pisu T.,** Optimizing thermal cut surfaces by applying forced vibration, Metalurgia International 10/2012,Pag. 65– 71, ISSN 1582-2214,

11. Vas A., Luca M., **Machedon Pisu T.,** Considerations regarding the development of modern technologies in plasma cutting metals, Metalurgia International 03/2011,Pag. 43 – 48, ISSN 1582-2214,

12. **Machedon Pisu T.**, R esearch on development of cored wires for welding load abrasive wear resistance and shock moderately strong, Metalurgia International 03/2011,Pag. 49 – 52, ISSN 1582-2214,

13. Brevet RO126926-A0 CBI A/00684/18.07.2011 „Instalatie şi procedeu de sudare circulară în câmp de oscilatii mecanice" Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor.BOPI 12/2011 (Brevet nr. 126926)

14. Brevet RO126945-A0 CBI A/00577/20.06.2011"Instalatie pentru tratamente termice în mediu lichid" Inventatori: LUCA Mihai Alexandru; MACHEDON PISU Teodor. BOPI 12/30.12.2011(Brevet nr. 126945)

15. Brevet RO126943-A0 CBI A/00690/18.07.2011 „Procedeu şi instalatie de călire"
16. Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor. BOPI 12/2011 (Brevet nr. 126943)

17. Brevet 127814 valabil din 21.05.2012 ; Procedeu si instalastie de detensionare, revenire, curatare, debavurare si finisare Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor

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