

## PERSONAL INFORMATION

Teodor MACHEDON PISU

✉ tmache@unitbv.ro

POSITION  
IOSUD UTBV

PhD Coordinator  
Doctoral studies field: Materials Engineering  
Since 2009

EXPERTISE FIELD AND  
RESEARCH INTEREST AREAS

Welding technology, Materials characterization  
Joint advanced materials

## WORK EXPERIENCE

1988-now : Univ. Transilvania din Braşov, B-dul Eroilor, 29 ; Braşov 500036, România ; www.unitbv.ro

Assistent 1988-1992; Lecturer 1992-1995

Associate Prof. dr. 1995-1998; Prof. dr. 1998- present

## Activities:

Chief of Material Engineering and Welding, 2000 - 2011

Dean Faculty of Materials Science and Engineering, 2011 - present

## EDUCATION AND TRAINING

1990-1994

University of Brasov

Doctor of Materials Engineering

1975-1980

University of Brasov, Faculty of Machine Building Technology

Licensed in Welding Equipment and Technology

1970-1974

Vasile Roaita High School, Ramnicul Valcea, Valcea

## PERSONAL SKILLS

## Mother tongue(s)

Romanian

## Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B2	B2	B2
	Replace with name of language certificate. Enter level if known.				
Russian	B2	B2	B2	B2	B2
	Replace with name of language certificate. Enter level if known.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

[Common European Framework of Reference for Languages](#)

## Communication skills

- Good communication skills gained through my experience as chef manager

## Organisational / managerial skills

- Experience in Chief of Department Department of Material Engineering and Welding and Dean Faculty of Material Science and Engineering

## Job-related skills

Replace with any job-related skills not listed elsewhere. Specify in what context they were acquired.  
Example:

- good command of quality control processes (currently responsible for quality audit)

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
A2	A2	A2	A2	A2

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificates

- Knowledge of editing text on a computer in Word

## ADDITIONAL INFORMATION

Publications  
presentations  
projects  
Indici Hirsch

- 15 books in publishing houses
- 19 international conferences
- PhD supervisor with 7 certified PhDs
- HISH = 2; Hscopus index = 3; HGS = 4

## ANNEXES

List of relevant publications / coordinated research

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

PhD supervisor MACHEDON PISU Teodor

1. Andreea Maidaniu, Florin Miculescu,\*, Stefan Ioan Voicu, Corina Andronesu, 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
2. Florin Miculescu, Aura Cătalina 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
3. 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.
4. 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,
5. Luca M. 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
6. Vas A., **Machedon Pisu T.**, Plasma cutting metallic materials – carbon steel, Metalurgia International 04/2013, Pag. 87– 90, ISSN 1582-2214
7. **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
8. **Machedon Pisu T.**, Optimizing thermal cut surfaces by applying forced vibration, Metalurgia International 10/2012, Pag. 65– 71, ISSN 1582-2214,
9. 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,
10. **Machedon Pisu T.**, Research 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,
11. Brevet RO126926-A0 CBI A/00684/18.07.2011 „Instalatie și procedeu de sudare circulară în câmp de oscilații mecanice” Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor. BOPI 12/2011 ( Brevet nr. 126926)
12. 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)
13. Brevet RO126943-A0 CBI A/00690/18.07.2011 „Procedeu și instalatie de călire” Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor. BOPI 12/2011 ( Brevet nr. 126943)
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 și instalatie de călire” Inventatori: LUCA Mihai Alexandru, MACHEDON PISU Teodor. BOPI 12/2011 ( Brevet nr. 126943)