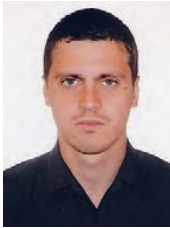


PERSONAL INFORMATION

MITU Leonard Gabriel



✉ leonard.mitu@unitbv.ro; [REDACTED]

| Date of birth [REDACTED] Nationality Romanian

PROFESSIONAL EXPERIENCE

22.02.2021 – present

Lecturer

Transilvania University of Brasov, Faculty of Design and Environment, Department Product Design, Mechatronics and Environment.

- Academic activities. Courses, laboratory and seminary lectures on the biomaterials, processing technologies, manufacturing technologies and micro/nanotechnologies, specializations: Medical Engineering, Mechatronics and Optometry.
- Research Activities: biomaterials and biocomposite manufacturing, testing and mechanical behavior.

Type or sector of activity

- Teaching, guidance and evaluation didactic activities

1.10.2011 – 1.01 2021

Associate teacher

Transilvania University of Brasov, Faculty of Design and Environment, Department Product Design, Mechatronics and Environment.

- Guidance of current students, Medical Engineering, Mechatronics and Optometry majors.

Type or sector of activity

- Teaching, guidance and evaluation didactic activities.

EDUCATION AND TRAINING

1.10.2010. – 1.10. 2013

Doctor's degree, series I No. 0001457

Level EQF: 8

- Field: Mechanical Engineering;

-Theme: Methods and techniques for bio-system's materials behaviour analysis

- Scientific leaders: prof. univ. dr. ing. ROȘCA Ileana Constanța (Transilvania University of Brasov), prof. univ. dr. ing. FERANDIZ Santiago Bou (Universitat Politècnica de València)

Transilvania University of Brasov, Faculty of Design and Environment, Department Product Design, Mechatronics and Environment.

Politécnica de València, Alicante, Escuela Politécnica Superior de Alcoy, Department de Ingeniería Mecánica y de Materiales

1.10.2009 – 30.02.2011 Master degree , serias A Nr. 0104698 Level EQF:7
 Faculty of Materials Science and Engineering
 Specialization: Engineering and management of advanced metallics, ceramics and composite materials
 Transilvania University of Brasov, Faculty of Meterials Science and Engineering, Department of Materials Science

1.10.2004 – 30.06.2009 Engineering diploma, series H, No. 0010063 Level EQF:7
 Faculty: Materials Science and Engineering
 Specialization: Industrial Economic Engineering
 Transilvania University of Brasov, Faculty of Meterials Science and Engineering, Department of Materials Science

2018 – 2019 Certificate of graduation from the psychopedagogical training program, series A_d, nr. 0007901 Level II Level EQF:7
 Transilvania University of Braşov, Faculty of Psychology and Educational Sciences, Teaching training department.

2017 – 2018 Certificate of graduation from the psychopedagogical training program, series A_d, nr. 000722 Level I Level EQF:7
 Transilvania University of Braşov, Faculty of Psychology and Educational Sciences, Teaching training department

Native language Romanian

Foreign Languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	C2	C1	C1	C2	B2

Social skills and competences Communication skills and competences concerning the knowledge transmission and continuing education gained through experience in the teaching activities within the Transilvania University of Brasov, since 2011.

Technical skills and competences Technologies for Precision Mechanics, optics and Mechatronics
 Control technologies in the field of mechanical manufacturing processes
 Design and operation of machine tools and engineering mechanics

Driver's license ▪ B, C

Personal skills competences _____

Annex

Books

- Biomaterials for prosthetic systems, Transilvania University publication of Brasov, 2019, ISBN 978-606-19-1146-2;

Publications

- Characteristics of testing methods of biocomposites, Alexandru. B.M., **Leonard M.**, Ileana C.R., COMAT, The 9th International Conference on Advanced Composite Materials Engineering, 17-18 October 2022, Brasov.
- Stacking sequence effect on flexural behavior of hybrid GF/CF biocomposite used in orthopedics, Alexandru B.M., **Leonard G.M.**, Ileana C.R., IOP Conf. Series: Materials Science and Engineering, Annual Session of Scientific Papers - IMT Oradea 2022.
- Manufacturing and Characterization of Interply Hybrid Polymeric Biocomposite Material Reinforced with Glass and Carbon Fibers, Alexandru B. M., Angela R., Corneliu D., Ionel S., **Leonard M.**, Macromolecular Symposia /Volume 404, Issue 1, 2022.
- Characterization of the Properties of the Biocomposite Material 15 mass%HA/PLA, Alexandru B. M., Angela R., Corneliu D., Ionel S., **Leonard M.**, Macromolecular Symposia /Volume 404, Issue 1 /2100446, 2022.
- B. Braun, C. Drugă, **L. Mitu** and I. Șerban, "New Solution for Low Mass Hip Prostheses using Carbon Fiber," *2021 International Conference on e-Health and Bioengineering (EHB)*, 2021, pp. 1-4,
- **MITU L.G.**, Chircan E., Scutaru M. L., Vlase S., Kane's Formalism Used to the Vibration Analysis of a Wind Water Pump. MDPI and ACS Style Symmetry 2020, 12, 1030;
- **G.L., Mitu**, Characteristics of micro and nano manufacturing methods used in mechanical engineering, COMEC 2020&eMECH 2020, pp 98-101, Brașov, Romania;
- Al. Bejinaru Mihoc, **G.L., Mitu**, Medical polymeric biocomposites, COMEC 2020&eMECH 2020, pp 19-22, Brașov, Romania;
- **Mitu L.G.**, Bejinaru M. Al., Applications of photolithography for the manufacture of solid mems bodies, COMEC 2019 Vol. I, Brasov;
- **Mitu G.L.**, Bejinaru M. Al., Overview of polyimide properties and applications, Applications of photolithography for the manufacture of solid mems bodies, COMEC 2019 Vol. I, 65-68, Brasov;
- **Mitu L.G.**, Bejinaru M. Al., Elements for the construction of the prosthetic used on the lower limb, Conference: ICMSAV2018&COMAT2018&eMECH2018, Brasov;
- Al.Bejinaru Mihoc, **Mitu L.G.**, Biocomposites: A review. The 7th International Conference on Computational Mechanics and Virtual Engineering, pp 140-143, COMEC 2017; Bejinaru M. A.
- **Mitu L. G.**, S ystemic approach es to the microscopic structure the bone , COMAT 2016 & ICMSAV2016 Brașov, ROMÂNIA, 24-25 November 2016, pp 401-405;
- Bejinaru M. A., Botez A. M., **Mitu L. G.**, R egulations in the field of using medical devices. O erview. În: 6th International Conference „Computational Mechanics and Virtual Engineering”, COMEC 2015, pp.457-462, Brașov, Romania, 2015;