

**PERSONAL
INFORMATION**

Olivia Ana FLOREA

✉ Olivia.florea@unitbv.ro, oaflorea@gmail.com🌐 <http://www.unitbv.ro/fmi/DepartamentulMI/Colectiv/FloreaOlivia.aspx>**WORKPLACE****Institution:** Transilvania University of Braşov, Faculty of Mathematics and Informatics, Department of Mathematics and Informatics**PROFESSIONAL
EXPERIENCE****Period:** 2016 – Present**Position** Associate Professor Ph.D. – at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro**Sector:**
Teaching/Research/Academic Management**Responsibilities:**

- Academic teaching/research/scientific coordination of dissertations and bachelor's theses, first-degree teaching projects (since 2013)
- Academic management of the Professional Conversion Program in Mathematics (ID) (since 2013), Mathematics – Informatics (IF) program (since 2022)
- Member of the Faculty Council of Mathematics and Informatics; 2019 – Present
- Coordinator of the Mathematics Conversion ID program, 2013 – 2024
- Coordinator of the Mathematics – Informatics program, 2021 – Present

Period November 2023 – April 2024**Position** Vice Dean of Teaching and Research - Faculty of Mathematics and Informatics**Period** April 2016 – February 2019**Position** Vice Dean of Student Affairs, Faculty of Mathematics and Informatics

- Period** 2011-2016
Position Lecturer Ph.D. – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro
- Period** 2006-2011
Position Assistant Professor Ph.D. Candidate – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro
- Period** 2004-2006
Position Junior Lecturer Ph.D. Candidate – Tenured at DMIN (Department of Mathematics and Informatics), Faculty of Mathematics and Informatics
Employer: Transilvania University of Braşov; Bd-ul Eroilor 29; www.unitbv.ro

EXPERIENCE IN Teaching

- Role:** Course Coordinator
Activity and Period: Development of course materials and auxiliary teaching materials in ID technology / 2013 – Present;
Face-to-face tutorial preparation / 2013 – Present;
Teaching activity on the eLearning platform / 2008 – Present
Organizing Institution/Trainer: Faculty of Mathematics and Informatics, UTBv – courses in Algebra; Geometry; Numerical Analysis
Faculty of Psychology and Educational Sciences, UTBv – course in ICT
Faculty of Mechanical Engineering, UTBv – courses in Mathematical Analysis, Special Mathematics
- Role:** Coordinator and Responsible for the Mathematics-Informatics IF study program
Period: 2022 – Present
Institution: Faculty of Mathematics and Informatics, UTBv
- Role:** Coordinator and Responsible for the Mathematics Conversion ID study programs
Activity: Activities in accordance with the CIDIFR organizational and operational regulations / 2013 – 2024
Institution: Faculty of Mathematics and Informatics, UTBv
- Role:** Platform Responsible for the MATHEMATICS CONVERSION ID STUDY PROGRAM
Activity: Ongoing activities on the ID-IFR eLearning platform (backup, archiving old courses, generating and configuring online course templates) and training with teaching staff / 2013 – Present
Institution: Faculty of Mathematics and Informatics, UTBv

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Participation in Trainings/Conferences and Symposia on ID Technology:

- 2014 – POSDRU/87/1.3/S/60891- DIDATEC, Postgraduate training program: Training in blended learning and modern educational technologies for university education, in Engineering Electronics and Telecommunications, Educational Sciences, Transilvania University of Braşov (80 hours)
- 2011 - 2012 – POSDRU/57/1.3/S/32629, Teacher Training Program: Developing skills specific to designing and implementing educational technology distance learning programs, University of Bucharest
- 2011 – 2012 POSDRU/57/1.3/S/26646 Postgraduate Program in the project Continuous training in blended learning for university teachers, course: Student-Centered Learning – strategies for institutional design, implementation, and evaluation, Module – Student-Centered Strategies, University of Bucharest, Faculty of Psychology and Educational Sciences (66 hours)

EDUCATION AND TRAINING

- **2014-2019** - Ph.D. in Mathematics
Thesis Title: Mixed Problems with Boundary and Initial Data for Generalized Continuous Media
Scientific Coordinator: Prof. Dr. Marin Marin, Transilvania University of Braşov
- **2014-2015** – Postdoctoral Studies in Innovative Products and Processes
Postdoctoral Research Fellowship: Excellence Research, Transilvania University of Braşov, POSDRU/159/1.5/S/134378, Research Topic: Modeling and Simulation of Biomechanical Systems to Improve Operational Performance.
- **2006-2010** – Ph.D. in Engineering Sciences – Mechanical Engineering
Thesis Title: "Analytical and Numerical Methods in Solving Dynamic System Problems Applied in the Simulation of Hydraulic System Components"
Scientific Coordinator: Prof. Dr. Ing. Mat. Adrian Postelnicu, Faculty of Mechanical Engineering, Transilvania University of Braşov
- **2004** - Certified ECDL Examiner
- **2001-2002** – Advanced Studies Diploma in Mathematical Models and Software Products, Faculty of Sciences, Transilvania University of Braşov
- **1997-2001** – Bachelor’s Degree in Mathematics, Faculty of Sciences, Transilvania University of Braşov
- **2017** – Mobility Grant from Transilvania University of Braşov – mobility at Universite d’Artois, Bethune, France, 1 week, September 2018
- **2016** – Mobility Grant from Transilvania University of Braşov – mobility at Universidad de Catalunya, Terrassa, Barcelona, 2 weeks, November 2016
- **2013** – Teacher Training in English for Vocational Purposes, British Cultural Center (30 hours)

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PERSONAL SKILLS

- Mother tongue:** Romanian
- Other languages:**
English: Listening: B2, Reading: B2, Speaking: B2, Spoken interaction: B2, Writing: B2
French: Listening: B1, Reading: B1, Speaking: B1, Spoken interaction: B1, Writing: B1

Communication skills:

- Good communication skills acquired through personal experience as a study program coordinator
- Good communication skills acquired through personal experience as vice dean

Organizational/managerial skills:

- Coordinator of Mathematics-Informatics IF study program 2022- Present
- Coordinator of Professional Conversion Program 2013-2019, 2020 – Present
- Vice Dean of Student Affairs 2016-2019
- Vice Dean of Scientific Activity Nov. 2023-Present

Job-related skills

- Solid knowledge in the teaching field
- Interactive teaching techniques
- Proper use of modern information technology
- Assessing students' progress using a variety of tools

Computer skills:

- Good knowledge of Microsoft Office™ tools
- Good knowledge of mathematical software; Matlab, MAPLE
- Good knowledge of LATEX environment

Driving license: B

**ADDITIONAL
INFORMATION**

- **Publications:**
 - 60 published articles, of which 25 are indexed in Web Of Science
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- **Hirsh Index:**
 - Google Scholar = 7, Web of Science = 4
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- **Projects:**
 - Youth Research Grants – UTBv - Numerical modeling of unsteady blood flow in the cerebral tree, 2017-2018
 - Romanian Academy, Politechnica University of Bucharest, interacademic bilateral Romania-Belarus, Project: Applications of Finsler–Lagrange geometric methods to field theory and thin film physics, Project leader: Prof. Dr
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- **Conferences:**
 - 2022 Member of the organizing committee MACOS’22 - International Conference on Mathematics and Computer Science, 2022, 15-17 September, Transilvania University of Braşov
 - 2018 Member of the organizing committee MACOS’18 - International Conference on Mathematics and Computer Science, 2018, 14-16 June, Transilvania University of Braşov
 - 2016 Member of the organizing committee MACOS’16 - International Conference on Mathematics and Computer Science, 2016, 8-10 September, Transilvania University of Braşov
 - 2014 Member of the organizing committee MACOS’14 - International Conference on Mathematics and Computer Science, 2014, 26-28 June, Transilvania University of Braşov
 - 2013 Member of the organizing committee Autumn Scientific Session of Academy of Scientists, Eco - Economy and Durable Development, 20-21 September 2013, Braşov, Transilvania University of Braşov
 - 2011 Member of the organizing committee of The Seventh Congress of Romanian Mathematicians, 2011, June 29 - July 5, Transilvania University of Braşov, Romania
 - 2006 Member of the organizing committee of Caius Iacob Conference Fluid Mechanics and its Technical Applications, 2006, 19-21 October, Transilvania University of Braşov, Romania
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- **Courses taught:**
 - Special Mathematics
 - Theoretical Mechanics
 - Dynamic Vehicle Simulation
 - Multiphysics Simulations
 - Mathematical Analysis
 - Academic Writing

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