

Personal Data

- **Full name:** VÎLCU GABRIEL-EDUARD
- **Date and place of birth:** March 28, 1975, Urlați, Romania
- **Citizenship:** Romanian
- **Marital status:** married
- **Number of children:** 1
- **Affiliation and mailing addresses:**
 1. Petroleum-Gas University of Ploiești, Department of Cybernetics, Economic Informatics, Finance and Accountancy, Bd. Bucuresti, Nr. 39, Ploiești 100680, Romania
 2. University of Bucharest, Research Center in Geometry, Topology and Algebra, Str. Academiei, Nr. 14, Sector 1, București 70109, Romania
 3. University Politehnica of Bucharest, Department of Mathematics and Informatics, Faculty of Applied Sciences, Splaiul Independenței 313, 060042 Bucharest, Romania
- **E-mail:** gvilcu@upg-ploiesti.ro

Educational Background

- **Habilitation:** University Politehnica of Bucharest, Romania
Date of defense: 14 July 2021
Type of Diploma Awarded: Habilitation certificate
Thesis: *Geometric structures on manifolds. Submersions, submanifolds and applications,*
- **Doctoral Degree:** Faculty of Mathematics, University of Bucharest, Romania
Date of Admission: October 2000, Date of Completion: September 2006
Type of Diploma Awarded: Ph.D.

Thesis: *Contributions to the study of quaternionic manifolds*

Supervisor: Prof. dr. Stere Ianuş, University of Bucharest, Romania

- **Master Degree:** Faculty of Mathematics, University of Bucharest, Romania

Date of Admission: September 1997, Date of Completion: June 1999

Type of Diploma Awarded: M.S. Thesis

- **Bachelor's Degree:** Faculty of Mathematics, University of Bucharest, Romania

Date of Admission: 1993, Date of Completion: 1997

Type of Diploma Awarded: License Examination

- **Bachelor's Degree:** Faculty of Economic Cybernetics, Statistics and Informatics, Bucharest Academy of Economic Studies, Romania

Date of Admission: 1996, Date of Completion: 2001

Type of Diploma Awarded: License Examination

Professional Experience

- April 1, 2014 – Present: Full Professor - Petroleum-Gas University of Ploieşti, Romania.
- October 1, 2008 - Present: Senior Researcher - University of Bucharest, Research Center in Geometry, Topology and Algebra, Romania.
- March 1, 2008 – March 1, 2014: Associate Professor - Petroleum-Gas University of Ploieşti, Romania.
- March 1, 2004 - February 29, 2008: Lecturer - Petroleum-Gas University of Ploieşti, Romania.
- March 1, 2001 - February 29, 2004: Assistant Professor - Petroleum-Gas University of Ploieşti, Romania.
- October 1, 1999 - February 28, 2001: Research Assistant - Petroleum-Gas University of Ploieşti, Romania.

Research Interests

- Riemannian Geometry
- Harmonic Maps
- Production Theory
- Computational Geometry

Teaching

- Courses and tutorials of: Linear algebra and analytical geometry, Differential geometry of curves and surfaces, Manifolds and Riemannian geometry, Computational geometry, Mathematical analysis, Operations research, Mathematics for Economics and Business, Decision theory

Mathematical Publications

- 83 research papers. See: <https://gabrieleduardvilcu.wordpress.com/publications/>
- Ph.D. Thesis: *Contributions to the study of quaternionic manifolds*, published in: *Differential Geometry – Dynamical Systems Monographs 9*, Geometry Balkan Press, 2007. (ISSN 1454-511X)
- Chapter: *Curvature inequalities for slant submanifolds in pointwise Kenmotsu space forms*, in: Contact geometry of slant submanifolds. Editors: B.-Y. Chen, M.H. Shahid, F.R. Al-Solamy, Springer, 2022, 21pp., to appear. (ISBN 978-981-16-0017-3)
- Chapter: *Paraquaternionic CR-submanifolds*, in: Geometry of Cauchy-Riemann Submanifolds, Editors: S. Dragomir, M.H. Shahid, F.R. Al-Solamy, Springer, 2016, Chapter 13, 361-390. (ISBN 978-981-10-0916-7)
- Editor (joint with M.H. Shahid, M. Ashraf, F. Al-Solamy and Y. Kimura) of: Differential Geometry, Algebra, and Analysis, Springer Proceedings in Mathematics & Statistics book series (PROMS, volume 327), 2020. (ISBN 978-981-15-5455-1)

Research Projects:

A. as a project manager:

1. Foliations on CR-submanifolds (GAR 181/2007-2008; Financed by Romanian Academy)

B. as a member in a research team:

1. Hypersurfaces of a Sasakian manifold (RG-1440-142/2020; Financed by the Deanship of Scientific Research King Saud University, Saudi Arabia)

2. Topics in locally conformally Kaehler geometry (PNIII 8/2017-2019; Financed by the Romanian Ministry of Research and Innovation, CNCS - UEFISCDI)

3. Locally conformally Kaehler geometry and related structures (PNII, 2805/2012-2016; Financed by UEFISCDI - Romanian Executive Agency for Higher Education, Research, Development and Innovation)

4. Submersions and submanifolds (PNII, 525/2009-2010; Financed by UEFISCDI - Romanian Executive Agency for Higher Education, Research, Development and Innovation)

5. Contact, complex and quaternionic geometry on Riemannian and conformal manifolds (CEEX 2250/2006-2008; Financed by UEFISCDI - Romanian Executive Agency for Higher Education, Research, Development and Innovation)

6. Intelligent computer system for environmental management in an economic organization (CNCSIS 964/2004-2006; Financed by UEFISCDI - Romanian Executive Agency for Higher Education, Research, Development and Innovation)

7. Hermitian and contact structures and maps between manifolds endowed with these structures. Geometry of Riemannian and semi-Riemannian submersions (CNCSIS 1087/2003-2005; Financed by UEFISCDI - Romanian Executive Agency for Higher Education, Research, Development and Innovation)

Scientometry:

H-index (Web of Science): 16

Nr. of citations (without self, Web of Science): 533

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Date: January 26, 2022

Signature: