

CURRICULUM VITAE

Family name: Gil. **First name:** Amparo.

Professional Address: Departamento de Matemática Aplicada y Ciencias de la Computación. Universidad de Cantabria. 39005-Santander, Spain.

Phone: +34 942203949

e-mail: amparo.gil@unican.es

Homepage: <http://personales.unican.es/gila>

1 Positions

1.1 Current position

Professor (Catedrática de Universidad) of Applied Mathematics. Department of Applied Mathematics and Computer Science. Universidad de Cantabria, Santander (Spain). From December 2017.

2 Studies.

2.1 Graduation.

Graduated in Physics (Theoretical Physics) by the University of Valencia, Valencia (Spain). July 1992. Average 3.2/4.

2.2 Ph. D. Studies

Master Thesis

- Topic: Theoretical Physics. Departamento de Física Teórica, Universidad de Valencia, Valencia (Spain). March 1994.

Ph. D. Thesis

- Topic: Theoretical Physics. Departamento de Física Teórica, Universidad de Valencia, Valencia (Spain). November 1996. Cum Laude.

3 Research Experience.

3.1 Research Topic.

- Scientific Computing: Computational Mathematics.
- Modelling of Biological Systems.

3.2 Publications

See <http://personales.unican.es/gila/publiGIL.pdf>

3.3 Research fellowships.

- Pre-doctoral research fellowship from the Generalitat Valenciana (Regional Government). Centre: Department of Theoretical Physics, Universidad de Valencia, Valencia (Spain). From October 1992 to October 1996.
- Research fellowship from the Generalitat Valenciana (Regional Government). Centre: CWI (National Centre for Mathematics and Computer Science), Amsterdam (The Netherlands). July 98-Sep 98.
- Postdoctoral fellowship from the Spanish Ministry of Education. CWI (National Centre for Mathematics and Computer Science), Amsterdam (The Netherlands). July 99-Sep 99.
- Research fellowship from the Alexander von Humboldt Foundation. Computational Mathematics group. Department of Mathematics, Universität Kassel, Kassel (Germany). From June 2001 to November 2001.
- Fulbright visiting scholar grant. Department of Mathematics and Statistics, San Diego State University, San Diego (USA). From March 2016 to August 2016.

3.4 Institutions

- Department of Theoretical Physics. Universidad de Valencia (Valencia, Spain) with a pre-doctoral fellowship and as assistant professor. Sept 1992-Sept 1997.

- CWI (National Centre for Mathematics and Computer Science), Amsterdam (The Netherlands). July-August 1998; July-September 1999; August-September 2002; January 2004; October 2005-December 2005; December 2015; July 2018.
- Universidad Miguel Hernández (Elche, Spain) as assistant professor. From Oct 1997-Nov. 2000.
- Department of Mathematics. Universidad Autónoma de Madrid (Madrid, Spain) as assistant professor. From Feb. 2001-Dec. 2003.
- Universität Gesamthochschule Kassel (Kassel, Germany). Department of Mathematics. From Jun. 2001- Nov. 2001, with a fellowship from Alexander von Humboldt Foundation.
- Department of Mathematics, Statistics and Computation. Universidad de Cantabria (Santander, Spain). From Dec. 2003-May 2005, with a Ramón y Cajal contract.
- Department of Mathematics. Oxford University (UK). August 2005.
- Institute of Pure and Applied Mathematics. Universidad Politécnica de Valencia (Valencia, Spain). July 2008.
- Bioengineering Institute, Universidad Miguel Hernández (Elche, Spain). July 2009.
- NINDS/NIH, Bethesda (USA). October 2015.
- Department of Mathematics. San Diego State University (USA), July 2013 and from March 2016-August 2016, as a Fulbright Research Scholar.
- Business Research Unit of ISCTE (University of Lisbon, Portugal). August 2022.
- Department of Mathematics. Dublin City University (Dublin, Ireland). September 2024.

4 PhD students

- Virginia González-Vélez. Thesis title: **Mathematical Models and Multiscale Simulation of Cellular Secretion Processes**. July 2011.

Universidad Politécnica de Cataluña. Cum Laude.

Advisor: Amparo Gil

- Diego Ruiz-Antolín. Thesis title: **Computación de Funciones Hipergeométricas y su Aplicación a las Cuadraturas Gaussianas**.

September 2017. Universidad de Cantabria. Cum Laude.

Advisors: Javier Segura and Amparo Gil

5 Other qualifications

- Research position from the Ramón y Cajal National Spanish Programme. Ranked first in Computer Science. 2003.
- National Habilitation as Associate Professor (Professor Titular de Universidad) in Applied Mathematics. September 2005.
- Positive evaluation from ANEP (Spain) as Distinguished Researcher. Programme I3 (Incentives for the incorporation and strengthening of research activity), Ministry of Science and Technology (Spain). 2008.
- Positive evaluation from ANECA (Spain) as Full Professor (Catedrático de Universidad). *Comisión de Ciencias*. February 2012.
- 2015-: **Associate Editor** of the NIST Digital Library of Mathematical Functions". Project founded, in part, by the National Science Foundation (USA).
<http://dlmf.nist.gov>
- July 2024-: **Vice-chair** of the IFIP Working Group on Numerical Software.
<http://wg25.taa.univie.ac.at>