

## Author Profile

Find out more about this author's research at <https://doi.org/10.1002/ejoc.201801764>.**Amélia Pilar Rauter**

Amélia Pilar Rauter

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<b>Position:</b>	Full Professor, President of Departamento de Química e Bioquímica, Faculdade de Ciências, Universidade de Lisboa; Coordinator of Centro de Química e Bioquímica, Head of its Carbohydrate Chemistry Group; President of the International Carbohydrate Organisation; Secretary of the European Carbohydrate Organisation and of IUPAC Division of Organic and Biomolecular Chemistry
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<b>Education:</b>	Diploma in Chemical Engineering (1975). Universidade Técnica de Lisboa (IST-UTL) Doktor der Technischen Wissenschaft (1982), Hans Weidmann (TU Graz), Austria. Degree stated equivalent to the Ph.D. in Chemistry in 1984 by IST-UTL PostDoc (1982–1984), Hans Weidmann, TU Graz, Austria; Habilitation Universidade de Lisboa (2002)
<b>Awards:</b>	Prémio Hispano Portugues Madinaveitia-Lourenço 2017; 1st. Prize for Scientific and Technical Translation into the Portuguese Language (Translation of Organikum) Fundação para a Ciência e a Tecnologia/ União Latina, 1998; Technische Universität Graz, Austria, Ph.D. with <i>Summa cum Laude</i> ; Diplom in Chemical Engineering, mark 16/20
<b>Current research interests:</b>	Organic and biomolecular chemistry: Generation of carbohydrate-based molecular entities efficient against infections, neurodegeneration and diabetes.

**Why did you choose chemistry as a career?** It is my passion and I already loved chemistry while I was in secondary school. I wanted to understand the composition of water.

**In one word, how would you describe your research?** Challenging!

**What topics are you working on at the moment?** I am working on new bactericides derived from sugars, that do not raise bacterial resistance, acting on specific bacterial membrane phospholipids. The total synthesis of natural polyphenol O- and C-glycosides to control amyloid events is also on-going.

**Is your current research mainly curiosity-driven (fundamental) or rather applied?** Both, the research is exploratory organic chemistry aiming to “touch” the unknown, but focusing always on solving societal problems, mostly in the area of health and nutrition.

**Who are your collaborators and what aspect(s) do they cover?** My Ph.D., Master and undergraduate students and PostDocs cover the work in organic chemistry. In interdisciplinary research, I also collaborate with colleagues of my university and other institutions, depending on their expertise.