

Author Profile

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

Date of birth:	July, 01, 1950
Position:	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
E-mail:	aprauter@fc.ul.pt
Homepage:	https://ciencias.ulisboa.pt/en/perfil/aprauter , http://cqb.fc.ul.pt/research/carbohydrate-chemistry/
ORCID:	0000-0003-3790-7952
Education:	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)
Awards:	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
Current research interests:	Organic and biomolecular chemistry: Generation of carbohydrate-based molecular entities efficient against infections, neurodegeneration and diabetes.



Amélia Pilar Rauter

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.