

Prof. dr. Rui Fausto

Department of Chemistry

Faculty for Sciences and Technology - University of Coimbra

Índice Hirscha: **41**

Liczba publikacji: **350**

Inne osiągnięcia:

Rui Faustos's Scientific Profile Synopsis:

Rui Fausto is Full Professor at the Department of Chemistry of the University of Coimbra, The Director of the Coimbra Chemistry Research Centre, and the coordinator of the Laboratory for Molecular Cryospectroscopy and Biospectroscopy (LMCB). After his post-doctoral training at the NRC Canada in the fields of infrared, Raman and resonance Raman spectroscopies of proteins, Rui Fausto returned to Coimbra and introduced in the Chemistry Department of the University of Coimbra the technique of FT-infrared spectroscopy. The first FT-IR instrument was bought under the "Ciência"-UE funded program. Later on (1994), he started the installation of the first (and unique until now) Portuguese cryospectroscopy laboratory, the LMCB, using funds from the EU-PRAXIS XXI program. This infrastructure has grown since then and it is now one of the most important infrastructures at world level dedicated to cryospectroscopy.

Rui Fausto is member of the European Academy of Arts, Sciences and Humanities (Paris), integrates the Editorial Boards of 10 international scientific journals (being the Editor-in-Chief of the Journal of Molecular Structure, Elsevier, Amsterdam), the Directive Board of the (informal) world association of matrix isolation scientists and is President of the European Congress on Molecular Spectroscopy (EUCMOS) Permanent Steering Committee. Along his career he has occupied many different positions in the administration and scientific management in the University of Coimbra, including the presidency of the Academic Council and the Vice-presidency of the Scientific and Directive boards of FCTUC and the presidency of the Institute for Interdisciplinary Research of the University of Coimbra (an association of 40 research centres of the University of Coimbra recognized by the Portuguese Science Foundation, which integrates ca. 1600 investigators). In 2002, he received the RSC Journals Grant for International Authors Prize and in 2004 and 2005 he was one of the ca. 70 Portuguese scientists awarded with the Excellence Prize of the Portuguese Science Foundation / Portuguese Ministry of Science (1 of the 12 chemists in the country awarded with this prize). He is author or editor of >30 scientific books, from general Science to the general public (e.g., .Tempo e Ciência., Coleção Ciência Aberta, Gradiva, ISBN 989-616-096-1) to specialized chemistry books ("Low Temperature Molecular Spectroscopy", Kluwer Academic Publishers, ISBN 0-7923-4083-3) and author of more than 350 scientific papers in high impact factor chemistry journals (Rui Fausto's h-index: 41). His work has received more than 7000 citations and some of his books are currently used as manuals in university courses both in Portugal and abroad. Rui Fausto has taken an active part in the organization of ca. 40 international scientific meetings (having acted as Director of two NATO-Advanced Study Institutes) and supervised ~40 Ph.Ds or post-doctoral researchers and ca. 50 young M.Sc. and Licenciateship students. Since 1986, he has been involved in ca. 40 funded international research projects (leading more than half of those, including the coordination in Portugal of an ibero-american network integrating scientists from 6 different countries, and the coordination of the major Coimbra Chemistry Centre Structural Research Project), which correspond to a total funding of more than 7.000.000 Euros. Two international patents are running. Rui Fausto is also member of the Honor Committee of the Portugal-Latvia Association, of the International Observatory of the Human Rights (the coordinator for High-Education), the American Chemical Society, IUPAC, European Molecular Liquids Group and European Photochemistry Association. He is fluent in English and Spanish, has good knowledge of French and (very) basic knowledge of Turkish.

N° of Articles in refereed international journals: >350
N° of Citations: >7000
N° of Communications in Scientific Meetings: >400
Books and Book Chapters (as Author or Editor): >30
Patents: 2

Academic Degrees, Fields of Study, Awarding Institutions:

- 2004 Habilitation Chemistry (Spectroscopy) – University of Coimbra
 1988 Ph.D. Chemistry - Molecular Structure (with honors) - University of Coimbra
 1984 Graduation in Chemistry (19/20) - University of Coimbra

Present Positions:

- 2018-... Editor-in-Chief – Journal of Molecular Structure (Elsevier)
 2015-... Director of the Coimbra Chemistry Research Centre
 2006-... Full Professor of Chemistry - University of Coimbra
 2016-... President of the International Steering Committee of the European Congress on Molecular Spectroscopy
 2003-... Member of the International Steering Committee of the (informal) World Association of Matrix Isolation Scientists (Gordon Research Conference/Euroconference)
 2007-... Member of the European Academy of Arts, Sciences and Humanities – EAASH – Paris
 2016-... Coordinator for Education, of the International Observatory of the Human Rights
 2006-... Member of the American Chemical Society
 2001-... Member of the Editorial Board of the International Journal “Journal of Molecular Structure”
 2001-... Member of the Experts Committee of the Museum of Sciences of the University of Coimbra
 2001-... Member of the Society for Low Temperature Biology
 1995-... Member of the European Photochemistry Association
 1991-... Member of the European Molecular Liquids Group
 1987-... Member of the International Union of Pure and Applied Chemistry
 1981-... Member of the Portuguese Chemical Society
 2017-... Official evaluator of the TUBITAK (Turkish National Agency for Science and Technology)
 2016-... Official evaluator of the European Research Council
 2016-... Official evaluator of the Research Council of Croatia
 2015-... Official evaluator of the Foundation for Polish Science
 2015-... Official evaluator of the CNPq (Conselho Nacional de Pesquisa) of Brazil
 2014-... Official evaluator of the UE. Programme COST.
 2014-... Official evaluator of the BSF (Bulgarian Science Foundation) of Bulgaria
 2013-... Official evaluator of the Research Council of Estonia (Estonian Research Council (ETAg))
 2012-... Official evaluator of the NSF-SA (National Science Foundation of South Africa) of South Africa
 2011-... Official evaluator of the QREN – Agência de Inovação, Portugal
 2011-... Official evaluator of the FWO (Research Foundation Flanders) of Belgium
 2010-... Official evaluator of the GFCT (Greek Foundation for Science and Technology) of Greece
 2007-... Official evaluator of the NSF (National Science Foundation) of USA
 2005-... Official evaluator of the ANPCyT (Agencia Nacional de Promoción Científica y Tecnológica) of Argentina

Previous Positions (most relevant only):

- 2008-09 Head of the Chemistry Department – University of Coimbra
 2007-09 Coordinator of the Masters Courses at the Chemistry Department of the FCTUC
 2004-06 Vice-President of the Representatives Assembly – University of Coimbra
 2004-16 Vice-President of the International Steering Committee of the European Congress on Molecular Spectroscopy (Member from 1998)
 2004-06 President of the Coordination Committee for Educational Training in Chemistry and Physics - University of Coimbra
 2002 Visiting Professor – University of Goettingen – Germany
 2017-18 Guest professor at the National Institute of Technology – Kurukshetra, India
 2009-18 Editor – Journal of Molecular Structure (Elsevier)
 2001-10 Member of the Editorial Board of the International Journal “Vibrational Spectroscopy”
 1999-06 Associate Professor of Chemistry - University of Coimbra
 1988-99 Assistant Professor of Chemistry - University of Coimbra
 1984-88 Assistant Lecturer- University of Coimbra
 2005-07 President of the Physical Chemistry Division of the Portuguese Chemical Society
 2003-04 Coordinator of the Licenciaturship in Chemistry - University of Coimbra
 2006 President of the Institute for Interdisciplinary Research – University of Coimbra
 2001-04 Vice-President of the Directive Board - University of Coimbra
 2001-04 Vice-President of the Scientific Council - University of Coimbra
 1996-00 President of the Academic Council - University of Coimbra

1996-00 Member of the Consultants and Social Councils of the University of Coimbra

Awards:

- The Portuguese Foundation for Science and Technology Prize "Estímulo à Ciência" - 2004
- The Portuguese Foundation for Science and Technology Prize "Estímulo à Ciência" - 2005
- Prize Excellence in Research 2017", University of Coimbra - 2017
- Prize "Researcher of the year of the Department of Chemistry FCTUC", awarded by the students based on the scientific performance of the investigators of the Department - 2012.
- Designated by the University as candidate of the University of Coimbra to the Prize "Achievements in Science and Technology 2010", awarded by the Government of Mexico and intending to honor "*the scientific and technological research work of active investigators from Ibero-America and Carabian space*" - 2010
- Royal Society of Chemistry Journals Grant for International Authors (Ref. 02 10 422) – 2002
- Best Poster (1st Place) presented at the "10th Iberian Joint Meeting on Atomic and Molecular Physics", Santiago de Compostela, Spain, 2009
- Best Poster (1st Place) presented at the "8th Congress of Physical-Chemistry of the Portuguese Chemical Society - SPQ", Luso, Portugal, 2007
- Best Poster (3rd Place) presented at the "7th Congress of Physical-Chemistry of the Portuguese Chemical Society - SPQ", Porto, Portugal, 2005

Research projects:

-Od 2018 "Strategic Research Project of the Coimbra Chemistry Center"
Project UID/QUI/00313/2013 POCI-01-0145-FEDER-007630 – Extension 2018

600.000,00 Eur

-Od 2016 "The Birth of High-Energy Crystals from Isolated Molecules - The Unsuspected Parenthood of Rare Conformers"

Project PTDC/QEQ-QFI/3284/2014 - (Prime Investigator)

Partners: University of Helsinki, Finland; Scuola Normale Superiore di Pisa, Italy; University of Algarve, Portugal, Sarspec, Inc., Porto, Portugal.

200.000,00 Eur

-Od 2016 "LaserLab – Portugal"

Project FCT/PT2020/ROTEIRO/0152/2013. National Roadmap for Science

Partners: University of Lisbon (IST), Lisbon, Portugal.

3.000.000,00 Eur

-Od 2016-"Experimental and Theoretical Investigation of the Conformations and Photoproducts Formed by Photoexcitation of Molecules"

Project 1605F423 Anadolu University, Eskişehir, Turkey.

Partner: Anadolu University, Eskişehir, Turkey

20.000,00 Eur

2008-2015: Ca. 40 scientific research projects, corresponding to a total funding of **~7.000.000,00 Eur**

<http://www.qui.uc.pt/~rfausto/homepage/>