

## Science and society

### - Opinion articles

- Castanho MARB. "Science: in between Disneyfication and Bureaucracy" (in Portuguese), Opinion article in the magazine Visão, February 28, 2019. (<http://visao.sapo.pt/opiniao/2019-02-28-Ciencia-entre-a-disneyficacao-e-a-burocracia>).

- Castanho MARB. "Communicating Science: the change of times and wills" (in Portuguese), Opinion article in the magazine Visão, September 26, 2018. (<https://visao.sapo.pt/opiniao/2018-09-26-Comunicar-Ciencia-a-mudanca-dos-tempos-e-das-vontades>).

- Castanho MARB. "Science in Portugal" (in Portuguese), Opinion article in the magazine Visão, August 2, 2018. (<https://visao.sapo.pt/opiniao/2018-08-02-Ciencia-em-Portugal-A-fraqueza-da-governacao-e-desconcertante-denuncia-investigador-1>).

- Castanho MARB. "Science and University teaching: the unavoidable convergence" (in Portuguese), Opinion article in the newspaper Diário de Notícias, June 26, 2018. (<https://www.dn.pt/opiniao/opiniao-dn/convidados/interior/ciencia-e-ensino-superior-a-convergencia-inevitavel-9510836.html>).

### - Articles and books on teaching and education

- Castanho, MARB, "What do college life sciences students need to know about knowledge management?", Journal of Biological Education, 2004, 38:85-89.

- Castanho MARB. "Dealing with the challenges of teaching molecular biophysics to biochemistry majors through an heuristics-based approach", Biochemistry and Molecular Biology Education, 2002, 30(3):163-168.

- Castanho, MARB, "Teaching molecular applications of the particle-in-a-ring model using azulene", Journal of Chemical Education, 2002, 79:1092.

- Santos, NC; Fernandes, MXJJ; Castanho, MARB. "Overcoming Angular Dependency When Teaching Light Scattering Using a Spectrofluorometer: The Molecular Weight of Latex Beads", *Journal of Chemical Education*, 1999, 76:1259.

- Santos, NC; Castanho, MARB. "Teaching light scattering spectroscopy: The dimension and shape of tobacco mosaic virus", *Biophysical Journal*, 1996, 71:1641-1650.

- Castanho MARB, Da Poian AT, "Integrative Human Biochemistry - A Textbook for Medical Biochemistry", ISBN: 978-1-4939-3058-6, Springer Springer-Verlag New York, 1<sup>st</sup> Edition, 2015.

- Castanho MARB, Guner, Gul (Eds), "The Researching, Teaching, and Learning Triangle", ISBN 978-1-4614-0568-9, Springer Springer-Verlag New York, 1<sup>st</sup> Edition, 2012.

- Castanho MARB, Santos N (Eds), "Peptide Drug Discovery and Development: Translational Research in Academia and Industry", ISBN 9783527328918, Wiley-VCH Verlag GmbH & Co. KGaA, 1<sup>st</sup> Edition, 2011.

- Castanho MARB (Ed), "Membrane-Active Peptides: Methods and Results on Structure and Function", ISBN: 978-0-9720774-5-3, International University Line, 1<sup>st</sup> Edition, 2010.

- **Articles on science communication**

- Castanho MARB. "Developing students' awareness of public understanding of science: A matter of survival?", *Biochemistry and Molecular Biology Education*, 2005, 33(3):202-4. <https://iubmb.onlinelibrary.wiley.com/doi/full/10.1002/bmb.2005.494033032455>

- Castanho MARB. "Pop-science: facts or fiction? Friend or foe?", *Interciencia*, 2003, 28:11, 665-668. <https://www.redalyc.org/pdf/339/33908609.pdf>

- **Articles of scientific dissemination**

- Castanho MARB. "Will flu kill again like it did 100 years ago?" (in Portuguese), Outreaching article in the magazine "Visão Saúde", October 2018, Page 105.

- Castanho M.A.R.B. "Blue Planet: When the sun illuminates sky and sea" (in Portuguese), Magazine article published on "Ciência Hoje", September 2015, 329, pages 18-23. (<http://cienciahoje.org.br/artigo/planeta-azul-quando-o-sol-ilumina-ceu-e-mar/>)

- " Miguel Botas Castanho talks about the dengue virus in Santarém " (in Portuguese). Magazine article published on "O Mirante", February 25, 2013. (<https://omirante.pt/cultura-e-lazer/2013-02-25-miguel-botas-castanho-fala-sobre-o-virus-da-dengue-em-santarem>)

- Martins, M. "Talk about bacteria watered by beer" (in Portuguese) Magazine article published on "Ciência Hoje", May 16, 2017.  
[http://www.cienciahoje.org.br/noticia/v/ler/id/4924/n/conversa\\_sobre\\_bacterias\\_regada\\_a\\_cerveja](http://www.cienciahoje.org.br/noticia/v/ler/id/4924/n/conversa_sobre_bacterias_regada_a_cerveja)

- Martins, M. "Adventures of a Portuguese scientist" (in Portuguese) Magazine article published on "Ciência Hoje", June 5, 2017.  
<http://cienciahoje.org.br/acervo/aventuras-de-uma-cientista-portuguesa/>

- Martins, M. "Network against zika, dengue and chikungunya" (in Portuguese) Magazine article published on "Ciência Hoje", June 9, 2017.  
[http://www.cienciahoje.org.br/noticia/v/ler/id/4926/n/rede\\_contra\\_zika,\\_dengue\\_e\\_chikungunya](http://www.cienciahoje.org.br/noticia/v/ler/id/4926/n/rede_contra_zika,_dengue_e_chikungunya)

- Martins, M. "Partnership against cancer and pathogenic bacteria" (in Portuguese) Magazine article published on "Ciência Hoje", June 20, 2017.  
[http://www.cienciahoje.org.br/noticia/v/ler/id/4927/n/parceria\\_contra\\_cancer\\_e\\_bacterias\\_patogenicas](http://www.cienciahoje.org.br/noticia/v/ler/id/4927/n/parceria_contra_cancer_e_bacterias_patogenicas)

- Martins, M. "Innovation in biochemistry teaching" (in Portuguese) Magazine article published on "Ciência Hoje", June 27, 2017.  
[http://www.cienciahoje.org.br/noticia/v/ler/id/4928/n/inovacao\\_no\\_ensino\\_de\\_bioquimica](http://www.cienciahoje.org.br/noticia/v/ler/id/4928/n/inovacao_no_ensino_de_bioquimica)

- Martins, M. "Boost scientific cooperation" (in Portuguese) Magazine article published on "Ciência Hoje", July 7, 2017.

[http://www.cienciahoje.org.br/noticia/v/ler/id/4929/n/impulso\\_a\\_cooperacao\\_cientifica](http://www.cienciahoje.org.br/noticia/v/ler/id/4929/n/impulso_a_cooperacao_cientifica)

- **Science communication activities**

- Castanho MARB. Invited speaker for the panel discussion "Challenges in developing new antibiotics", School of Pharmacy, University of Lisbon, Drug Discovery and Development meeting, November 20, 2018.

- Castanho MARB. Invited speaker for the panel discussion "Science in the City: How does it transform our lives?", Promotion of Scientific Activities at Noite Europeia dos Investigadores - Cidades do Futuro e Património Cultural, Lisbon, Portugal, September 28, 2018.

- Oliveira FD, Cavaco M, Gaspar D. Uma cidade chamada "Célula". Promotion of Scientific Activities at Noite Europeia dos Investigadores - Cidades do Futuro e Património Cultural, Lisbon, Portugal, September 28, 2018.

- Castanho MARB. Invited speaker in the public debate "The future of research in Portugal", ANBIOQ – National Association of Biochemists, IV National Meeting of Biochemists, Lisbon, Portugal, February 24, 2018.

- Veiga AS, Neves V, Gaspar D, Dias SA, Oliveira FD, Neves-Coelho S. Promotion of Science Activities in European Researchers' Night, Lisbon, Portugal, September 29, 2017.

- Dias SA. Presentation of Science Experiments to a 5-year class of "Colégio Sagrado Coração de Maria", Instituto de Medicina Molecular João Lobo Antunes, Lisbon, Portugal, 2017.

- Cruz A., Oliveira F.D., Dias S.A., Figueira T.N, Gaspar, D. (2016) "Dia Nacional da Cultura Científica", lectures and activities with students at the ISCE – Instituto Superior de Ciências Educativas school, Odivelas, Portugal

- Couto, C and Gaspar, D (2016) "Cientista Por Uma Noite", scientific activities at the European Researchers Night, MUHNAC, Lisboa, Portugal.
  
- Gaspar, D (2016) "World Cancer Day", organizer and lecturer at the Cancer Research Open Day, IMM Lisboa, Portugal.
  
- Gaspar, D (2016) Scientific activities with pre-graduate students from Escola Secundária D. Sancho II, IMM Lisboa, Portugal.
  
- Gaspar, D. organized and participated as lecturer in the IMM Lisboa Open Day, Lisbon. November 27, 2015
  
- M. Castanho. Invited speaker for a panel discussion - Tertúlias FNACiência "Efemérides Bioquímicas em 2013 - dos enzimas ao DNA", Braga, Portugal, October 17, 2013.
  
- Castanho M.A.R.B. Scientific consultant for Biochemistry, Harvard Medical School – Portugal Programme, on-line repository for students.
  
- Freire J.M. "A day watching Life in Motion", Organizing and tutoring an elementary school visit to IMM and to UBqF Lab facilities. (5th and 6th grades – Nature Sciences class), Colégio Planalto (Telheiras), Lisbon, Portugal, December 13, 2011.
  
- Ribeiro M.M. Represented IMM at the "Health Innovation & Technology Transfer Showcase – Health Cluster Portugal" 27 September, 2011, ICVS, Universidade do Minho, Braga, Portugal.
  
- Freire J.M. "The Colourful Life", Theoretical and Practical Workshop about the origin of light and the colour of things. (5th and 6th grades), Colégio Planalto (Telheiras), Lisbon, Portugal, June 15-16, 2011.
  
- Castanho M.A.R.B. "Café da Ciência: Química para um futuro sustentável", Comissão Parlamentar da Educação, Ciência e Cultura, March 28, 2011.