



Curriculum Vitae

Personal information

Ana Catarina Reis

Work experience

- Employer: Faculty of Pharmacy, University of Lisbon
 - Start date: 042017
 - End date:
 - Position: Assistant Professor with Habilitation
 - Activities:
 - Country: Portugal
- Employer: ULHT
 - Start date: 102007
 - End date: 022017
 - Position: Assistant Professor
 - Activities:
 - Country: Portugal
- Employer: ERISA
 - Start date: 102007
 - End date: 092016
 - Position: Professor (Coordinator)
 - Activities:
 - Country: Portugal

Education and training

- Subject: Faculty of Pharmacy
 - Start date: 102003
 - End date: 032008
 - Qualification: PhD
 - Organisation: PhD in Pharmacy _ Pharmaceutical Technology
 - Country: Portugal
- Subject: Faculty of Pharmacy, University of Coimbra
 - Start date: 091997
 - End date: 042003
 - Qualification: Lic. Pharmaceutical Sciences
 - Organisation:
 - Country: Portugal

Additional information

Publications

Book chapters: _Application of natural raw materials for development of cosmetics through nanotechnology. A. C. Faria_Silva, A. L. Mota, A. M. Costa, A. M. Silva, A. Ascenso, C. Reis, J. Marto, H. M. Ribeiro, M. Carvalheiro and S. Simões. Book Nanotechnology for the Preparation of Cosmetics using Plant_Based Extract, Section C, Chapter 14, editors S. Mohd Setapar, A. Ahmad and M. Jawaid, Elsevier, 2022, https://www.elsevier.com/books/nanotechnology_for_the_preparation_of_cosmetics_using_plant_based_extracts/mohd_setapar/978_0_12_822967_5.
_Advances in nanotechnology _related strategies against melanoma. J. O. Pinho, J. Lopes, M. Albino, C. Reis, M. Matias and M. M. Gaspar. Book Mitochondrial Dysfunction and Nanotherapeutics: Aging and Diseases and Nanotechnology _ Related Strategies in Mitochondrial Medicine, Chapter 14, editor M. Oliveira, Elsevier, 2021, 385_424, https://doi.org/10.1016/B978_0_323_85666_9.00009_7.
_Development and Mechanistic Insight into the Enhanced Cytotoxic Potential of Parvifloron D Albumin Nanoparticles in EGFR_Overexpressing Pancreatic Cancer Cells. A. Santos_Rebello, P. Kumar, V. Pillay, Y. E. Choonara, C. Eleutério, M. Figueira, A. S. Viana, L. Ascensão, J. Molpeceres, P. Rijo, I. Correia, J. Amaral, S. Solá, C. M. P. Rodrigues, M. M. Gaspar and C. P. Reis. Book Cancer Nanomedicine, editor C. Hoskins, MDPI, 2020, https://doi.org/10.3390/books978_3_03943_059_8.
_A New Approach for Cancer Treatment: from Specific Induction of Breast Cancer to Innovative Gold_Nanoparticle Mediated Thermal Therapies. E. Costa, A. Sousa, A. S. Cabrita, C. P. Reis and I. V. Figueiredo. Book Thorat _ Nanomedicines for Breast Cancer Theranostics, Chapter 12, editors N. Thorat, B. Rechenberg and J. Bauer, Elsevier, 2020, 269_298, https://doi.org/10.1016/B978_0_12_820016_2.00012_4.
_Natural products and nanopharmaceuticals. A. Rebello, A. H. Mota, L. Fonseca, M. Figueira, A. Bastos, J. Macedo, P. Rijo, J. Molpeceres, J. Pinto and C. P. Reis. Book Nanopharmaceuticals: Principles and Applications, Volume 2, Chapter 4, editors V. K. Yata, S. Ranjan, N. Dasgupta and E. Lichtfouse, Springer, 2020, 113_154, https://doi.org/10.1007/978_3_030_44921_6_4.
_An overview on ionic liquids: A new frontier for nanopharmaceuticals. T. S. de Almeida, R. Caparica, A. Júlio and C. P. Reis. Book Nanopharmaceuticals: Principles and Applications, Volume 1, Chapter 5, editors V. K. Yata, S. Ranjan, N. Dasgupta and E. Lichtfouse, Springer, 2020, 181_204, https://doi.org/10.1007/978_3_030_44925_4.
_Therapeutic implications of nanopharmaceuticals in skin delivery. A. H. Mota, A. Rebello, P. Rijo, A. J. Almeida, and C. P. Reis. Book Nanopharmaceuticals: Principles and Applications, Volume 1, Chapter 6, editors V. K. Yata, S. Ranjan, N. Dasgupta and E. Lichtfouse, Springer, 2020, 205_272, https://doi.org/10.1007/978_3_030_44925_4.
_Preparation of drug_loaded polymeric nanoparticles. C. P. Reis, R. J. Neufeld, F. Veiga and A. J. Ribeiro. Book Nanomedicine in Cancer: Nanomedicine's most cited, Compilation of most influential and cited papers in nanomedicine, Chapter 7, editor L. P. Balogh, Pan Stanford Publications, 2017, 171_214, <https://doi.org/10.1201/b22358>.
_ Natural products as lead Protein Kinase C modulators for cancer therapy. D. Matias, C. Bessa, M. F. Simões, C. P. Reis, L. Saraiva and P. Rijo. Book Studies in Natural Products Chemistry, editor Atta_ur_Rahman, Elsevier, 2016, 45_79, https://doi.org/10.1016/B978_0_444_63749_9.00002_5.
_ Lectin_coated macromolecule delivery systems for oral administration. C. P. Reis, N. Ramalheite and M. Fitas. e_Book Advances and challenges in oral delivery of macromolecules, Chapter 6, editor R. Vooght_Johnson, Future Science Group, 2013, 109_121, <https://doi.org/10.4155/fseb2013.13.109>.
_ Drug Nanocarriers based on Biomacromolecules: how far we've come? C. Silva and C. Reis. Book

Nanotechnology Biomaterials, Chapter 5, editor N. K. Navani, S. Sinha and J. N. Govil, Studium Press LLC, 2014, 1_30 (ISBN 10: 1626990115, ISBN 13: 9781626990111). _ Oral Delivery of Biopharmaceuticals. C. O. Silva, B. Sarmento and C. P. Reis. Book Mucosal Delivery of Biopharmaceuticals: Biology, Challenges and Strategies, Chapter 5, editors B. Sarmento e J. Neves, Springer, 2014, 125_147, https://doi.org/10.1007/978_1_4614_9524_6_5. _ Nanotechnology for oral drug delivery and targeting. C. P. Reis, N. Martinho and C. Damg . Book Nanotechnology and Drug Delivery, Volume 2, Chapter 2, editor J. Arias, CRC Press, 2012, 20_51 (ISBN: 9780367783143). _ Nanotechnology as a promising strategy for alternative routes of insulin delivery. C. P. Reis and C. Damg . Book Nanomedicine: cancer, diabetes, and cardiovascular, central nervous system, pulmonary and inflammatory diseases, Chapter 14, editor N. Duzgunes, Academic Press, 2012, 271_294, https://doi.org/10.1016/b978_0_12_391860_4.00014_8. _ Micro_ e Nanopart culas Biomacromoleculares (Polissacar dicas, Proteicas e Pept dicas). C. P. Reis. "Novas Formas Farmac uticas Para Administra o de F rmacos", Chapter 7, editors E. B. Souto and C. Lopes, Edi oes Universidade Fernando Pessoa, 2011, 199_221 (ISBN: 9789896430788). _ Insulin delivery systems: design innovation. C. P. Reis, F. Veiga, A. Ribeiro and R. J. Neufeld. The Bioartificial Pancreas and Other Biohybrid Therapies, Chapter 30, editors J. P. Hall , P. de Vos and L. Rosenberg, Transworld Research Network, 2009, 557_585 (ISBN: 9788178954158). Selected papers: _ Current Insights and Progress in the Clinical Management of Head and Neck Cancer. M. Amaral, P. Faisca, H. Ferreira, M. M. Gaspar and C. P. Reis, *Cancers*, 2022; 14(24); 679, <https://doi.org/10.3390/cancers14246079>. _ Dehydroxyroyleanone as a Building Block for a Drug Delivery Platform Based on Self-Assembled Nanoparticles: Structural Studies and Chemical Modification. C. Garc a, C. E. S. Bernardes, M. F. M. Piedade, G. Fumagalli, E. Colombo, A. M. D az-Lanza, C. P. Reis, I. Correia, L. Ascens o, D. Passarella, M. E. M. da Piedade and P. Rijo, *ACS Omega*, 2022; 7(48): 44180-44186, <https://doi.org/10.1021/acsomega.2c05353>. _ Metal Coordination and Biological Screening of a Schiff Base Derived from 8-Hydroxyquinoline and Benzothiazole. N. Ribeiro, P. Farinha, J. O. Pinho, H. Luiz, J. P. M sz ros, A. M. Galv o, J. C. Pessoa, E. A. Enyedy, C. P. Reis, I. Correia and M. M. Gaspar. *Pharmaceutics*, 2022; 14(12): 2583. <https://doi.org/10.3390/pharmaceutics14122583>. _ Nanoformulation of Seaweed Eisenia bicyclis in Albumin Nanoparticles Targeting Cardiovascular Diseases: In Vitro and In Vivo Evaluation. S. Pinto, M. M. 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Reis. *Gels*, 2022; 8(8): 485, <https://doi.org/10.3390/gels8080485>. _ New iron(III) anti_cancer aminobisphenolate/phenanthroline complexes: Enhancing their therapeutic potential using nanoliposomes. C. P. Matos, M. Albino, J. Lopes, A. S. Viana, L. C rte-Real, F. Mendes, J. C. Pessoa, A. I. Tomaz, C. P. Reis, M. M. Gaspar and I. Correia. *International Journal of Pharmaceutics*, 2022; 623: 121925, <https://doi.org/10.1016/j.ijpharm.2022.121925>. _ Liposomal formulations of a new zinc(II) complex exhibiting high therapeutic potential in a murine colon cancer model. N. Ribeiro, M. Albino, A. Ferreira, C. Escrivevente, D. C. Barral, J. C. Pessoa, C. P. Reis, M. M. Gaspar and I. Correia. *International Journal of Molecular Sciences*, 2022; 23(12), 6728, <https://doi.org/10.3390/ijms23126728>. _ The Role of Rosmarinic Acid on the Bioproduction of Gold Nanoparticles as Part of a Photothermal Approach for Breast Cancer Treatment. T. Ferreira_Goncalves, M. M. Gaspar, J. M. Coelho, V. Marques, A. S. Viana, L. Ascens o, L. Carvalho, C. M. P. Rodrigues, H. A. Ferreira, D. Ferreira and C. P. Reis. *Biomolecules*, 2022; 12(1): 71, <https://doi.org/10.3390/biom12010071>. _ Nanogold_based materials in medicine: From their origins to their future. T. Ferreira_Goncalves, D. Ferreira, H. A. Ferreira and C. P. Reis. *Nanomedicine*, 2021; 16(30): 2695_2723, https://doi.org/10.2217/nnm_2021_0265. _ Metabolomic profile and biological properties of sea lavender (Limonium algarvense erben) plants cultivated with aquaculture wastewaters: Implications for its use in herbal formulations and food additives. M. J. Rodrigues, V. Casta eda_Loiza, I. Monteiro, J. Pinela, L. Barros, R. M. V. Abreu, M. C. Oliveira, Catarina Reis, F. Soares, P. Pous o_Ferreira, C. G. Pereira and L. Cust dio. *Foods*, 2021; 10(12): 31044, <https://doi.org/10.3390/foods10123104>. _ A comprehensive updated review on magnetic nanoparticles in diagnostics. P. Farinha, J. M. P. Coelho, C. P. Reis and M. M. 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Reis. *Therapeutic Delivery*, 2021; 12(6): 477_488, https://doi.org/10.4155/tde_2021_0021. _ Development of a topical insulin polymeric nanoformulation for skin burn regeneration: An experimental approach. M. Quit rio, S. Sim es, M. A. Ascenso, M. Carvalheiro, A. P. Leandro, I. Correia, A. S. Viana, P. Faisca, L. Ascens o, J. Molpeceres, M. M. Gaspar and C. P. Reis. *International Journal of Molecular Sciences*, 2021; 22(8): 4087, <https://doi.org/10.3390/ijms22084087>. _ Proof_of_concept study of multifunctional hybrid nanoparticle system combined with NIR laser irradiation for the treatment of melanoma. J. Lopes, T. Goncalves, I. V. Figueiredo, C. M. P. Rodrigues, H. Ferreira, D. Ferreira, A. S. Viana, P. Faisca, M. M. Gaspar, J. P. Coelho, C. O. Silva and C. P. Reis. *Biomolecules*, 2021; 11(4): 511, <https://doi.org/10.3390/biom11040511>. _ Gold_based nanoplatyform for the treatment of anaplastic thyroid carcinoma: A step forward. M. Amaral, A. J. Charmier, R. A. Afonso, J. 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Projects

_EXP_ULisboa _ Ci ncias de Animais de Laborat rio, Programa Impulso Jovem Adulto, ongoing. _PharmaStar _ Funda o "la Caixa" e a Funda o para a Ci ncia e a Tecnologia (FCT), Promove2022, ongoing. _SkanAbility _ Proof of concept for biological activity of cannabinoids and terpenes _ cosmeceutical applications, P2020, 17/SI/2019, ongoing. _Novel nanoplatforms for targeting melanoma with 8_hydroxyquinoline metal complexes, FCT, Funding of Research and Development Projects in all Scientific Domains, 2019, ongoing. _ Nanoformulated hybrid molecules for specific targeting melanoma metastasis, FCT, Funding of Research and Development Projects in all Scientific Domains, 2017, PTDC/MED_QUI/31721/2017, concluded. _Antibiotic coordination frameworks as a way to enhance the bioactivity of the drugs, Project LISBOA_01_0145_FEDER_030988, PTDC/QUI_OUT/30988/2017, concluded. _Development of an advanced topical insulin formulation for skin burn regeneration: an experimental approach from fundamental to translational research, Young Investigator's. Projects for Collaborative Cross_disciplinary Studies, iMed.Ulisboa 2018, concluded. _ A novel approach for tumoral targeted phototherapy: focusing light through scattering FCT, Funding of Research and Development Projects in all Scientific Domains, 2012, PTDC/BBB_BMD/0611/2012, concluded. _Increase the oral bioavailability of insulin through its nanoencapsulation using polysaccharides, FCT, Funding of Research and Development Projects in all Scientific Domains, 2004, OCI/SAU_FCF/59940/2004, concluded.

Memberships

_ Portuguese Pharmaceutical Society (2003_). _ Member of The European Federation for Pharmaceutical Sciences (EUFEPS). _ Member of the Bioencapsulation Research Group (BRG). _ Secretary of the SPCAL General Assembly (2009_2011); Member of the Board of SPCAL (2011_2013) and Secretary of the Board of SPCAL (2013_2015). - Member of the Portuguese Society of Cosmetological Sciences (SPCC) (2011_2020). _ Member of the Controlled Release Society (CRS) (2015_). - National representative of SPCAL on the board of FELASA (2020_2022). _ Member of the Board of the Portuguese Society of Pharmaceutical Sciences (SPCF) (2022_)

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