

AF Group - Agro-Forestry Group

9.1.4 - Research Group Output for 2008-2012 (the Group was integrated in CICEGe in 2012)

Members in 2012:

Fernando Lidon (IR)
José Cochicho Ramalho
Fernando Reboredo

A- Papers published in peer reviewed journal (indexed to Scopus/ISI)

2012 -

- Alvarenga, N. B., LIDON, F. C., Silva, A., Martins, G., Cruz, T., Palma, V., Canada, J. (2012). Production and characterization of green and black olive pate using cream of animal and vegetable origins. *Emirates Journal of Food and Agriculture* 24/1, 12-16.
- Bicho, N. C., Leitão, A. E., Ramalho, J. C., LIDON, F. C. (2012). Chemical descriptors for sensory and parental origin of Coffea genotypes. *International Journal of Food Sciences and Nutrition* 63/7, 835-842.
- Bicho, N. C., Leitão, A. E., Ramalho, J. C., LIDON, F. C. (2012) - Use of colour parameters for roasted coffee assessment. *Ciencia e Tecnologia de Alimentos*, 32(3), 436-442. DOI: <http://dx.doi.org/10.1590/S0101-20612012005000068>
- LIDON, F. J. C. (2012) - Micronutrients' accumulation in rice after supplemental UV-B irradiation. *Journal of Plant Interactions*, 7(1), 19-28. DOI: <http://dx.doi.org/10.1080/17429145.2011.574214>
- LIDON, F. J. C., J. C. Ramalho, I. P. Pais, C. S. Carvalho, M. Santos, J. D. Arrabaça, M. G. Barreiro (2012). Antagonist Activity Between *Aureobasidium pullulans* and *Penicillium expansum* in *Pyrus communis* L. cv. Rocha – Implications on the Resistance to Oxidative Stress. *Acta Horticulturae* 934, 347-353.
- LIDON, F. J. C., J. C. Ramalho, I. P. Pais, C. S. Carvalho, A. P. Ramos, M. G. Barreiro (2012). Antagonist Activity between *Aureobasidium pullulans* and *Penicillium expansum* in *Pyrus communis* L. cv. Rocha – Implications on the Antioxidant Defence System. *Acta Horticulturae* 934, 393-399.
- LIDON, F. C., J. C. Ramalho, I. P. Pais, A. P. Ramos, M. J. Santos, J. D. Arrabaça, M. G. Barreiro (2012). Fungistatic action of *Aureobasidium pullulans* on *Penicillium expansum* in 'Rocha' pear: oxidative stress during maturation. *International Journal of Pest Management* 58/1, 41-52.
- LIDON, F. J. C., REBOREDO, F. H., Leitão, A. E., Silva, M. M. A., Duarte, M. P. & Ramalho, J. C. (2012) - Impact of UV-B radiation on photosynthesis – an overview. *Emir. J. Food Agric.*, 24(6): 546-556. DOI: <http://dx.doi.org/10.9755/ejfa.v24i6.14673>
- LIDON, F. C., M. Teixeira, J. C. Ramalho (2012). Decay of the chloroplast pool of ascorbate switches on the oxidative burst in UV-B irradiated rice. *Journal of Agronomy and Crop Science* 198/2, 130-144. DOI - <http://dx.doi.org/10.1111/j.1439-037X.2011.00489.x>
- Jansen, M. A. K., Hideg, E. & LIDON, F. J. C. (2012) - UV-B radiation: "When does the stressor cause stress?". *Emir. J. Food Agric.*, 24 (6), 5 p. DOI: <http://dx.doi.org/10.9755/ejfa.v24i6.14663> .
- REBOREDO, F. & LIDON, F. J. C. (2012) - UV-B radiation effects on terrestrial plants – A perspective. *Emir. J. Food Agric.*, 24 (6): 502-509. DOI: <http://dx.doi.org/10.9755/ejfa.v24i6.14670>

- Zlatev, Z. S., LIDON, F. J. C. & Kaimakanova, M. (2012) - Plant physiological responses to UV-B radiation. Emir. J. Food Agric., 24 (6): 481-501. <http://dx.doi.org/10.9755/ejfa.v24i6.14669>
- Zlatev, Z. S. & LIDON, F. J. C. (2012) - An overview on drought induced changes in plant growth, water relations and photosynthesis. Emirates Journal of Food and Agriculture, 24(1), 57-72. DOI:

B - Books and Book Chapters

2012 -

- RAMALHO, J. C., Leitão, A. E., Partelli, F. L., Batista-Santos, P., Fortunato, A. S., Vieira, H. D., LIDON, F. C., Scotti-Campos, P., Pais, I. P. (2012). **Impacto das baixas temperaturas positivas e mecanismos de tolerância no cafeeiro / Impacto of low but positive temperatures and mechanisms of coffee plants tolerance.** In *Inovação, Difusão e integração: Bases para a sustentabilidade da cafeicultura / Innovation, Difusion and Integration: Basis for the Coffee Plants Sustainability.* CCA-UFES - Centro de Ciências Agrárias, Universidade Federal do Espírito Santo Alto Universitário, s/n, Guararema, Alegre-ES, Brasil, Chapter 11, pp. 203-226 [ISBN: 978.85.8179.022-0]

C- Projects funded in National and International competitive calls

International Projects

- 1 - "Mineral-improved Crop Production for Healthy Food and Feed – domain Food and Agriculture" COST - FA Action FA0905 (European Cooperation in the Field of Scientific and Technical Research) (2010-2014)
Partners: Faculty of Sciences and Technology of the New University of Lisbon, Portugal and research Institutions belonging to Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Hungary, Israel, Italy, Lithuania, Luxemburg, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom.
Funded by: European Union - Total Funding: ca. 300 000 €
Members: LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*
- 2 - "UV-B radiation: A Specific Regulator of Plant Growth and Food Quality in a Changing Climate (UV4 growth)" COST - FA Action FA0906 (European Cooperation in the Field of Scientific and Technical Research) (2010-2014)
Partners: Faculty of Sciences and Technology of the New University of Lisbon, Portugal and research Institutions belonging to Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Lithuania, Netherlands, Norway, Poland, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.
Funded by: European Union - Total Funding: ca. 300 000 €
Members: LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*
- 3 - "The Network for the Biology of Zinc (Zinc-Net)" FA COST ACTION – TD 1304 (European Cooperation in the Field of Scientific and Technical Research) (2014-2017)
Partners: Faculty of Sciences and Technology of the New University of Lisbon, Portugal and research Institutions belonging to Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Lithuania,

Netherlands, Norway, Poland, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

Funded by: European Union - Total Funding: ca. 400 000 €

Members: LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*

National Projects

- 1 - "CaPolme – Maças Biofortificadas em Cálcio" – PRODER N° 24060 (2011-2013)

Institutions: Univ. Nova Lisboa, & others

Total Funding: ca. 140 000€

Members: LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*

- 2 - "Implications of environmental changes of CO₂ and temperature at the plant and bean quality levels in the coffee tree (*Coffea* spp.) - Multidisciplinary characterization of the impact and acclimation ability of the producing species" PTDC/AGR-PRO/3386/2012 (2012-2015)

Institutions: IICT/MNE, Univ. Nova Lisboa, & others

Total Funding (FCT/MEC): ca. 100 000€

Members: Ramalho, J. D. C. (PI) (IICT/MNE), LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*

- 3 - " SeArroz – Arroz Biofortificado em Selénio - PRODER N° 43374 (2011-2014)

Institutions: Univ. Nova Lisboa, & others

Total Funding: ca. 121 000€

Members: LIDON, A. F., REBOREDO, F., PESSOA, M. F. & *al.*jck60