

Maria Salomé Soares Pais (Short CV)

1961 Obtained the Diplome of Graduate in Biology

1963 Was appointed as Assistant of Plant Biology at the Department of Plant Biology from the Sciences Faculty of Lisbon

1972 Obtained the PhD Diplome on Plant Biology

1973 Post-Doc. At INRA Versailles (Morel Laboratory)

1979 Obtained the Diplome of Habilitation "Agregação" in Plant Biology

1979 Has been awarded with the distinction "Chevalier dans l'Ordre des Palmes Académiques" from the French Gouvernement

1973 – 1993 was Responsible for Research Programmes n.o 3 e 4 from CENTRO DE ENGENHARIA BIOLÓGICA

1982 – 2003 Was appointed as Full Professor at the Department of Plant Biology of the Sciences Faculty of Lisbon

1990 - 2003 Was Professor in charge of CENTRE OF ELECTRON MICROSCOPY from Faculdade de Ciências da Universidade de Lisboa

1992 - 1994 Was elected Head of the Department of Plant Biology of the Sciences Faculty of Lisbon for two years

1994 - 1995 Was re-elected Head of the Department of Plant Biology of the Sciences Faculty of Lisbon

1994 - 2002 Was Coordinator of CENTRO DE BIOTECNOLOGIA VEGETAL

1995 - Member of the NEW YORK ACADEMY of SCIENCES

1995 - Visiting Professor of the Universidade Católica Salvador - Brasil

1996 - 2001 Member of the Executive Board of the Program on Plant Adaptation from European Science Foundation

1997 - 1999 Member of the Executive Board of the AMICA EEIG

1998 - Member of the Interministerial Commission for Permanent Consultancy on Transgenic Organisms

1998 - Is Head of Laboratory of Plant Molecular Biology and Biotechnology of ICAT (Institut for Applied Science and Technology)

1998 - 2003 Was President of the Executive Board of CIFT (Centre for Research and Training in Tropics)

1999 – 2004 Member of the executive board of the program on Assessment of the Impact of Genetically Modified Plants from European Science Foundation

1999 - Elected by unanimity as Member (correspondent) of the Academy of Sciences of Lisbon

2005 - Elected by unanimity as Member (effective) of the Academy of Sciences of Lisbon

2000 – 2004 Member of the NATO JSTC scientific panel

2001– present Member of the Scientific Committee of National Geographic Magazine (Portugal)

2001 - Member of PRELUDE (Belgium)

- 2002 - Nomination for the ABI's (American Biographical Institute) Research Board of Advisors
- 2005- 2006 - Scientific Community Representative in ERA-PG (ERA-Net in PLANT GENOMICS)
- 2007 - Elected by unanimity as *Vogal* of the Institute of High Studies of the Academy of Sciences of Lisbon
- 2009 – present Head of Plant Systems Biology Laboratory – BioFIG - FCUL
- 2010 – present Representant of Academy of Sciences of Lisbon in EASAC (European Academies Sciences Advisory Council)
- 2010 – present Director of Institut of Academic Studies for Seniors from Academy of Sciences of Lisbon
- 2010 – present General Secretary of Academy of Sciences of Lisbon

Special Distinctions

- Chevalier dans l'ordre des Palmes Académiques** – French Government (1979)
- Who is whom in the World** (1997)
- Prize of the best Conference in the scientific meeting on Gametic Embryogenesis held in Finland 1998**
- Outstanding Professional Award** - ABI – USA 2001
- American Order of Merit** (Representing Portugal) – ABI – USA 2009
- Woman of the Year** (Representing Portugal) – ABI – USA 2009
- Prize Corticeira Amorim** (Best Science) - 2010

Research Areas of Interest

- Plant Molecular Biology
- Plant Biotechnology (Crop improvement - Genetic manipulation)
- Plant Cell Biology

Supervisor

- PhD thesis: 51
- PhD thesis (in preparation): 1
- Master Thesis (presented): 34
- Scientific Research (Graduation in Applied Plant Biology): 47

Has been asked to receive in her Laboratory:- Res. Training, PhD and Post-Doc students from different Public and Private Portuguese Institutions and from abroad, specially from the following Countries: Angola, Brazil, Check Republic, China, Germany, Greece, Guinea, Italy, Poland, Slovakia, Slovenia, Spain and United Kingdom.

Published papers :- Is author co- author of more than 400 papers published in peer reviewed journals

PATENTS

- Patent no 93446 on **Processo para multiplicação e enraizamento in vitro de *Actinidia deliciosa*** - Authors - M.C. PEDROSO, M. M. OLIVEIRA and M. Salomé S. PAIS
- Patent nº 94663 on **Processo para multiplicação e enraizamento in vitro de plantas adultas (40 a 160 anos) de *Castanea sativa*** - Authors- J. FEIJÓ and M. Salomé S. PAIS

Patent n° PT102330 on **Industrial Applicability of multienzimatic extracts obtained from plant material from the genus *Opuntia* and of cystein acid proteases obtained from the extracts of fruits from *Opuntia ficus-indica*.** Authors: - G. TEIXEIRA; R. SANTANA; I. BATISTA, M.S.PAIS and A. CLEMENTE

Patent n° 102318 on **Production by yeasts, of plant aspartic proteinases with proteolytic and milk clotting activity** Authors:- M. S. PAIS, F. CALIXTO and R. PLANTA

PCT Patent n°1196542 on **Production by yeasts, of aspartic proteinases from plant origin with sheep's, cow's, goat's etc. milk clotting and proteolytic activity** Authors:- M. S. PAIS, F. CALIXTO and R. PLANTA

PCT Patent n° PCT/US02/11803 **A method to control the ripening of papaya fruit and confer disease resistance to papaya plants** Authors:- M. S. PAIS, D. GONSALVES , A. BALDÉ and C-H. CHIANG

PCT Patent n° PCT/US02/11804 **Nucleic acid molecules relating to papaya ripening** Authors:- D. GONSALVES, M. S. PAIS, and A. BALDÉ

Patent PCT (submitted June 2003) **Genes of resistance to *Phytophthora cinammomii* in European chestnut (*Castanea sativa* Mill.) and other Fagaceae.** Authors: M. S. PAIS, S. S. ERRAZINA, R. COSTA and A. BALDÉ

Patent PCT (accepted September 2008) **Pharmaceutical compositions containing the enzyme Cyprosin, an aspartic peptidase from *Cynara cardunculus* and its inclusion in anti-tumor formulations** Authors:- M. S. PAIS, P. N. S.SAMPAIO, R. I. G. SOARES, M. C. B.COELHO, J. M. S. SANTOS, P. CRUZ and H. CRUZ

Member of the Editorial board of

IN VITRO PLANT Cellular & Developmental Biology

Referee of the following Journals

AMERICAN JOURNAL OF BOTANY

AUSTRALIAN JOURNAL OF BOTANY

INTERNATIONAL JOURNAL OF PLANT SCIENCES

IN VITRO PLANT Cellular and developmental Biology

JOURNAL OF EXPERIMENTAL BOTANY

MYCOLOGICAL RESEARCH

NEW PHYTOLOGIST

NORDIC JOURNAL OF BOTANY

PHYSIOLOGIA PLANTARUM

PLANT CELL REPORTS

PLANT CELL TISSUE AND ORGAN CULTURE

PLANT SCIENCE

PROTOPLASMA

SCANNING MYCROSCOPY INTERNATIONAL

TRANSGENIC RESEARCH

OTHER ACTIVITIES

Organized, in collaboration with J. Novais , J. Cabral and Ferda Mavituna (U.K.) the NATO Advanced Study Institute on PLANT CELL BIOTECHNOLOGY in Março/Abril de 1987 at Albufeira - Portugal

National Representant in the W.G. - ANIMAL and PLANT CELL CULTURE BIOTECHNOLOGY EUROPEAN FEDERATION of BIOTECHNOLOGY

National Delegate in COST 87 , In Vitro Plant Cell Culture"

Member of the Organizing Committee of the Advanced Study Institute on Molecular Basis of Plant Aging - Oviedo - Spain 1989

Member of the National Committee of the 5^a European Conference Biomass for Energy and Industry - CE - Lisboa - Outubro 1989

Member of the Consultive Commission of Programa Dinamizador em Biotecnologia JNICT

Member of the Scientific Committee of the Master Course in Biotecnologia do Instituto Superior Técnico

Member of the evaluation panel " Evaluation of research proposals submitted to the services of the Commission in the Research Action Programme in BIOTECHNOLOGY : - IN VITRO PHARMA-COLOGY AND TOXICOLOGY - CCE - Bruxelas

Member of the evaluation panel of the programme of STD3 - CE

Head of the Departamento de Biologia Vegetal since 1992 till 1995

National representative of the EC program COST 822 - LARGE SCALE MASS PROPAGATION OF ELITE PLANTS

National representant of the EC program COST 824 - GAMETIC EMBRYOGENESIS

Member of the Scientific Commission of the SYMPOSIUM ON PLANT CELL TISSUE AND ORGAN CULTURE IN LIQUID MEDIUM (Prague Check Rep.) Julho 1994

Member of the evaluation Panels from Life Sciences Programmes from the EC



J. Salomé Luis