

CURRICULUM VITAE



PERSONAL INFORMATION

Name	SARAIVA, ANA SOFIA DE CARVALHO
Address	RUA FRANCISCO PEDRO CURADO Nº6, 9ºI, 1170-139 LISBON, PORTUGAL
Telephone	+351 964591873
Email	sofia.maretec@ist.utl.pt
Place of Birth	Covilhã, Portugal
Date of Birth	17TH APRIL, 1979
Identity Card (BI)	11345993, 22/04/2005, LISBON
Passport	J332338, 14/08/2012, LISBON

EDUCATION

2005	Master in Environmental Engineering, Technical University of Lisbon (IST), Lisbon Master Thesis - Ria de Aveiro Ecological Modelling: the role of macroalgae
1996-2001	Degree in Environmental Engineering (5 years degree), Technical University of Lisbon (IST), Lisbon, with 16 as final classification Final Thesis- Modelling the Primary Production in Tagus Estuary: discharge variability influence, classification 18
1990-1996	High School: Escola Secundária Frei Heitor Pinto, Covilhã, with 16 as final classification (0-20)

OTHER PERSONAL QUALIFICATION

1ST LANGUAGE
OTHER LANGUAGES

PORTUGUESSE

ENGLISH, SPANISH

ORAL AND WRITE FLUENCE

FRENCH

COMPREHENSION

DRIVER LICENSE

CAR, Nº GD-56959, from 1997
BOAT, Nº 41752, from 2002
RADIO OPERATOR CERTIFICATE (Class A)

PROFESSIONAL QUALIFICATION

INFORMATICS: USERS SKILLS	OPERATIVE SYSTEM	<i>Windows 2000/XP</i>
	SOFTWARE OFFICE	<i>Msoffice 2000/XP, Adobe Acrobat,</i>
	MODELLING SOFTWARE	<i>Mathematica, PowerSim, Matlab</i>
	WEBSITES	<i>Microsoft FrontPage</i>
	GEOGRAPHIC INFORMATION SYSTEMS	<i>ArcView (GIS, Spatial Analyst, 3D Analyst, Watershed Delineator, Network), Mapserver</i>
INFORMATICS: PROGRAMMING SKILLS	IMAGE SOFTWARE	<i>Paint Shop PRO 7</i>
	PROGRAMING LANGUAGE (GOOD KNOWLEDGE)	<i>FORTRAN 90/95, DOTNET, Visual Basic 6.0, VBA</i>
	PROGRAMING LANGUAGE (BASIC KNOWLEDGE)	<i>C#, HTML, Java, C/C++</i>
	PLATFORMS	<i>Microsoft Developer Studio, Microsoft Visual Studio, Microsoft Visual Studio .NET</i>
	OTHER	<i>Microsoft Visual Source Safe, Microsoft Source Off Site</i>
OTHER SKILLS AND COMPETENCES	Experience in developing numeric models (particularly MOHID Water Modelling System, developed at IST)	
	Experience in using numeric models as integrated tools to answer specific questions about the system behaviour (water quality and hydrodynamic processes).	
	Experience in design, implementation and execution of monitoring programs in aquatic systems	
	Experience in automatic acquisition systems, including the use of probes, GPS and dataloggers	

ARTISTIC QUALIFICATION

SINCE 2004	Choir of the University of Lisbon; member of the directive commission since 2007
1986-1994	Covilhã Regional Music School, musical theory and piano

PROFESSIONAL EXPERIENCE

2002	Since January 2002 working at MARETEC (Marine and Technology Center), investigation group at the Technical University of Lisbon (IST) as Junior Researcher
2001	Collaboration in a Portuguese company - IPA (Inovação, Projectos e Ambiente; Innovation, Projects and Environment) for the study of environmental impacts in Castelo Branco city, Portugal

NATIONAL AND INTERNATIONAL PROJECTS

2006-2007	SIMTEJO_II: Tagus Estuary Ecological Modelling Program - for SIMTEJO company (the Portuguese company responsible for the management of the waste water in the area of Lisbon)
2002-2007	SANEST: Modelling, monitoring and consultancy of the Guia Submarine outfall - for SANEST company (the Portuguese company responsible for the management of the waste water in the area of Estoril and Cascais)
2003-2006	MaBenE: Managing Benthic Ecosystems in Relation to physical forcing and environmental constraints - EU project
2004-2005	SIMTEJO_I: Tagus Estuary Monitoring Program - for SIMTEJO company (the Portuguese company responsible for the management of the waste water in the area of Lisbon)
2004	INAG_MONDEGO: Water Quality Study in Mondego Estuary - for the Portuguese National Authority of the Water (INAG)
2003-2004	MODELRIA: Water Quality Modelling in Ria de Aveiro
2003	INAG_EUTROFIZAÇÃO_II: Water Quality in the Portuguese Estuaries: Douro, Minho, Lima, Ria de Aveiro, Ria Formosa e Guadiana - for the Portuguese National Authority of the Water (INAG)
2002	INAG_EUTROFIZAÇÃO_I: Water Quality in the Portuguese Estuaries: Tejo, Sado e Mondego - for the Portuguese National Authority of the Water (INAG)

PUBLICATIONS

2007	<u>Saraiva, S.</u> , P. Pina, F. Martins, M. Santos, F. Braunschweig & R. Neves, 2007. Modelling the influence of nutrient loads in Portuguese estuaries. <i>Hydrobiologia</i> 587: 5-18.
2005	Trancoso, A., <u>S. Saraiva</u> , L. Fernandes, P. Pina, P. Leitão & R. Neves, 2005. Modelling macroalgae using a 3D hydrodynamic-ecological model in a shallow, temperate estuary. <i>Ecological Modelling</i> 187: 232-246.
2003	Pina, P., Braunschweig, F., <u>Saraiva, S.</u> , Santos, M. & R. Neves, 2003. The role of Physics controlling the Eutrophication processes in Estuaries. Special volume on the Atlantic Iberian Continental Margin Symposium, <i>Thalassas</i> , 19 (2a): 141-143.