

CURRICULUM VITAE

DR. FAUSTINO MANSO



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PLACE AND DATE OF BIRTH: **Madrid (Spain) 17/05/1973**
NATIONALITY: **Spanish**
CONSIDERATIONS: **International geography availability**

EDUCATION

ACADEMICS:

- 2003-2005: Post Doctoral position. EUMARSAND (European Sand and Gravel Resources. Evaluation and environmental impact of extraction) Research Training network. Institute of Geosciences (IfG). University of Kiel, Germany.
- 1996-2001: Ph.D. "Suma Cum Laude" on Coastal Geology and Oceanography, University of Vigo, Spain. Codirectors: Professor F. Vilas and Dr. D. Rey. Title: Exploration of heavy mineral placers and their genesis on the Galicia coast.
- 1998-1999: Member of the International Research School FANTOM (Fundamental and Applied Nuclear and aTOMIC physics).
- 1991-1996: Bachelor's Degree in Marine Sciences, Inorganic Resources, U. of Vigo (Spain).

COMPLEMENTARY EDUCATION:

- 1999: FANTOM Study week. *Physics of the early universe*. Dourdean (France).
- 1998: FANTOM Study week. *Environmental Aspects of Nuclear and Atomic Physics*. Teclenburg (Germany).
- 1998: Course of *Natural Radioactivity*. U. Groningen (The Netherlands). Directed by Professor R. de Meijer.
- 1996- 97: Course of *Chemical Oceanography*. UNED (Spain). Directed by Dr. J. López-Ruiz.
- 1995: Summer course: *Geomorphology and Environmental Impact Assessment*. University of Cantabria (Spain). Directed by Professor A. Cendredo. Granted.
- 1995: Summer course: *Desertification and Climatic Change*. UIMP (International University Menéndez Pelayo, Spain). Directed by Dr. J. L. Rubio (CSIC).
- 1994: *XII Week of Sea Studies*. Organised by the Association of Sea Studies (ASESMAR). Vigo (Spain).
- 1994: Summer course: *II Course of Computer Assisted Cartography and GISs*. University of Cantabria (Spain). Directed by Dr. P. Requés.
- 1993: Diving course: *Advanced Open Water Diver*. PADI.
- 1993: Summer course: *Research in Antarctica*. UIMP. Directed by Dr. J. Castelví and Dr. E. Martínez de Pisón. Granted.
- 1993: Diving course: *Open Water Diver*, PADI.

SCHOLARSHIPS & GRANTS RECEIVED

- 2000-01: Ph.D. grant by the University of Vigo.
- 1998-2000: Research grant by Pedro Barrié de la Maza Foundation.
- 1997: Training and Mobility of Researchers fellowship (European Union).
- 1997- 98: Enlarging studies in Europe grant by Pedro Barrié de la Maza Foundation.
- 1996- 97: PhD grant by the Galician Government.
- 1995: Granted by Univ. of Cantabria for attending a summer course.
- 1995: Granted by CIIRC (International Centre for Coastal Resources Research) for attending to the Coastal Dynamics '95 conferences in Gdansk (Poland).
- 1993: Granted by UIMP for attending a summer course.
- 1991-92, 92-93, 93-94 and 95-96: Study grant by the Social Institute of the Spanish Merchant Navy.

RESEARCH EXPERIENCE

- 2003-2005: *EUMARSAND (European Sand and Gravel Resources. Evaluation and environmental impact of extraction)*. Commissioned by the European Union (HPRN-CT-2002-00222).
- 2003: Management and coordination of the project "Onboard quality improvements on fishing products". Commissioned by Spanish governmental agency to regulate and organize the commercialization of fishing and aquiculture products (FROM).
- 2003: Management and coordination of the project "Quality improvements on fishing products in the harbour". Commissioned by FROM.
- 2003: Management and coordination of the project "Development of an intranet to exchange fishing products information among harbours and main dealers (INFOPEs)" Commissioned by FROM.
- 2002: Management of the Life project *Micovaldorba*. Commissioned by the European Union.
- 2000-2001: Collaboration on the project "Methane emissions from geological sources in the Galician Rías: contribution to the global climatic change and its local impact" (PGIDT00PXI30105PR). Commissioned by Galician regional government (Spain).
- 2000-2001: Collaboration on the project "Environmental control and changes in the platform and Rías sedimentary environments during the Quaternary" (REN2000-1102 MAR). Commissioned by Spanish government.
- 2000-2001: Collaboration on the project "Effects of abiotic factors on the production of bivalves on intertidal banks" (PGDIT 00MAR31103PR). Commissioned by Galician regional government (Spain).
- 1998: Assistance on experiments to study the sediment transport of heavy minerals under bi-directional flow. WL|DELFT HYDRAULICS, The Netherlands. SAFE project (Performance of Soft Beach System and Nourishment Measures for European Coasts) (MAST IV). Commissioned by the European Union.
- 1997-2000: Participation on the project "Select transport processes and estimation of heavy mineral concentration in the Galician coastal sand areas using radiometric techniques" (CICYT MAR 97-0626). Commissioned by Spanish government.
 - 1999 (March): Design and direction of a radiometric ship survey to study the concentration of heavy minerals placers on the Galician coast (Spain).
 - 1998 (February): Design and direction of a radiometric survey to study the concentrations of heavy minerals placers in the Galician coastal sands (Spain).

- 1997 (27-31 October): Survey for radiometric sludge monitoring in front of the Rotterdam harbour, The Netherlands. LOTSWAL project. Commissioned by Dutch Ministry of Transport, Public Work and Water Management, Rijkswaterstaat.
- 1997 (June-December): Research and data analysis on the effect of density gradation on sediment transport WLD|DELFT HYDRAULICS, The Netherlands. TMR project. Commissioned by the European Union.
- 1995-1998: Collaboration on the project "Geo-environmental study of the lower Galician Rias (NW Spain) based on seismic, sedimentological and paleomagnetic data and their response to changes and human activity" (CICYT MAR 95-1953). Commissioned by Spanish government.
- 1994: Collaboration in several surveys related with the dynamic of the sedimentary deposits of the Miño river estuary (Spain-Portugal), directed by Professor F. Vilas (U. Vigo, Spain).
- 1994 (Jan.-June): Collaboration on the research of the masses of water distribution in the Ría of Vigo and proximities (Spain), directed by J. M. Cabanas (Spanish Oceanographic Institute).

TEACHING EXPERIENCE

- 1999-2001: Practical classes regarding sediment transport and coastal heavy mineral placers. Faculty of Marine Sciences, Vigo (Spain).
- 2000: Design and execution of Marine Mineral Resources practical classes. Faculty of Marine Sciences, Vigo (Spain).

PUBLICATIONS

- J.M. Martín-Rubí, F.J. Valle-Fuentes, F. Manso, J. García-Guinea. *Analyses on beach sands Ti-Nb-Ta-Zr-REE-bearing derived from eclogite-amphibolite rocks: Camariñas-Lago placer (NW Spain)*. Finishing its preparation for submitting to an SCI magazine.
- F. Manso, D. Rey, F. Vilas & R. de Meijer. *Time minimization on the offshore heavy mineral placers exploration (a study case: NW Spanish coast)*. Finishing its preparation for submitting to an SCI magazine.
- F. Manso, A. Bernabeu, D.Rey, L. Gago & F. Vilas. *Heavy mineral placers formation in a non-linear coast. Case of the Corrubedo bay (NW Spain)*. Finishing its preparation for submitting to an SCI magazine.
- 2002: R. de Meijer, J. Bosboom, B. Cloin, I. Katopodi, N. Kitou, R.L. Koomans & F. Manso. *Gradation effects in sediment transport*. Coastal Engineering. Vol. 47, pp. 179-210. ISSN: 0378-3839
- 2002: D. Rey, F. Manso, A. Bernabeu, F. Vilas, L. Gago & S. Queralt. *Hydrodynamic modelling of heavy mineral placers formation in subtidal conditions. The case of Corrubedo bay (NW Spain)*. Abstract in the 2002 European Geophysical Society Meeting book of abstracts.
- 2001: F. Manso, A. Bernabeu, D. Rey, F. Vilas & L. Gago. *A genetic model for coastal heavy mineral placer in restricted areas. The case of Corrubedo bay (NW Spain)*. Abstract in the 2001 European Geophysical Society Meeting book of abstracts.
- 2001: R. Durán, F. Manso, A. Bernabeu, S. García & F. Vilas. *Estudio de la dinámica sedimentaria de la plataforma interna gallega: La Lanzada (NO España)*. Geotemas 3 (1), pp. 145-148. ISSN: 1576-5172
- 2000: G. Méndez, D. Rey, A.M. Bernabeu, F. Manso & F. Vilas. *Marine mineral resources in the Galician coast and its adjoining continental shelf*. Journal of Iberian Geology 26, pp. 67-97. ISSN: 0378-102X

- 2000: I. Alejo, M.A. Nombela, G. Francés, J. Alcántara-Carrió, F. Manso & F. Vilas. *The role of exposure in the sedimentary patterns of three beaches subtidal sector from the Rias de Muros y Noia (NW Spain)*. Journal of Iberian Geology 26, pp. 189-216. ISSN: 0378-102X
- 2000: F. Manso, D. Rey, A.M. Bernabeu, L. Gago & F. Vilas. *Heavy minerals placers formation in a non-linear coast. Case of the Corrubedo bay*. Abstract in the 3rd Symposium on the Atlantic Iberian Continental Margin book of abstracts.
- 2000: F. Manso, A. Bernabeu, D. Rey, L. Gago & F. Vilas. *Heavy mineral placers prospection along a non-linear coast. The Galician Coast (NW Spain)*. Abstract in the 3rd Symposium on the Atlantic Iberian Continental Margin book of abstracts.
- 2000: F. Manso, D.Rey, F.Vilas & R.J. de Meijer. *Prospección radiométrica de minerales pesados. Caso estudio de la costa gallega*. Geotemas. Vol 1 (4), pp. 187-190. ISSN: 1576-5172
- 2000: F. Manso, R.J. de Meijer & F. Vilas: *Heavy minerals along the Galician Coast. NW Spain*. Abstract in the SME Annual meeting (Society for Mining Metallurgy and Exploration) book of abstracts.
- 1999: F. Manso, R.J. de Meijer & F. Vilas. *Radiometric mapping of heavy minerals in the Ria de Muros and vicinities*. NGD-KVI internal report, University of Groningen, The Netherlands.
- 1999: F. Manso, R. Koomans, R.J. de Meijer & P. Groen. *Grain size and density effects on sediment transport processes in oscillatory flow conditions. Part II: The effects of density gradation (Series L)*. Report. SAFE Project (E.U.). Delft Hydraulics internal report.
- 1998: F. Manso, R.J. de Meijer & F. Vilas. *Sampling of heavy minerals along the coast of Galicia*. NGD-KVI internal report, University of Groningen, The Netherlands.
- 1998: F. Manso, R. Koomans, R.J. de Meijer & F. Vilas. *The effect of density gradation in oscillatory sediment transport*. Abstract in detail, 2nd Annual Workshop SAFE project.
- 1998: F. Manso, R. Koomans, R.J. de Meijer & F. Vilas. *The effect of density gradation in oscillatory sediment transport*. Abstract in the ICCE 98 (International Conferences in Coastal Engineering) book of abstracts.

CONFERENCE CONTRIBUTIONS

ORAL PRESENTATIONS

- 2000: *Heavy minerals placers formation in a non-linear coast. Case of the Corrubedo bay*. 3rd Symposium on the Atlantic Iberian Continental Margin. Faro (Portugal).
- 2000: *Prospección radiométrica de minerales pesados. Caso estudio de la costa gallega*. V Congreso Geológico Español. Alicante (Spain).
- 2000: *Time minimisation on offshore heavy mineral placers exploration. A study case: NW Spanish Coast*. SME annual meeting. Salt Lake City (Utah), USA.
- 1998: *Density effects in graded sediment transport processes*. ICCE 98. Copenhagen (Denmark).

POSTERS

- 2003 referencia poster Guinea.
- 2002: D. Rey, F. Manso, A. Bernabeu, F. Vilas, L. Gago & S. Queralt. *Hydrodynamic modelling of heavy mineral placers formation in subtidal conditions. The case of Corrubedo bay (NW Spain)*. 2002 European Geophysical Society Meeting. Nice (France).
- 2001: F Manso, A. Bernabeu, D. Rey, F. Vilas, L. Gago & S. Queralt: *Wave climate-sediment interaction on shoreface heavy mineral placers generation in restricted areas. The case of Corrubedo bay (NW Spain)*. Taller y tertulia en oceanografía. Vigo (Spain).

- 2001: R. Durán, F. Manso, A. Bernabeu, S. García & F. Vilas. *Estudio de la dinámica sedimentaria de la plataforma interna gallega: La Lanzada (NO España)*. XIV National Sedimentology Congress. Jaen, (Spain).
- 2000: F. Manso, D. Rey, A.M. Bernabeu, L. Gago & F. Vilas. *Heavy minerals placers prospection along a non-linear coast. The Galician coast (NW Spain)*. 3rd Symposium on the Atlantic Iberian Continental Margin. Faro (Portugal).
- 2000: F. Manso, D. Rey, A.M. Bernabeu & F. Vilas *A new methodological approach to heavy minerals exploration*. Euroconference Water and Life. Vigo (Spain).

EQUIPMENT PROFICIENCY

- EG&G Ortec HPGe Gamma ray detector p-type.
- Scintrex Gis 5; K, Th and U gamma ray portable detector.
- MEDUSA (Multi-Element Detector for Underwater Sediment Activity) detector system.
- Trimble navigation dGPS pathfinder professional system.
- Susceptibility bridge AGICO KVV-CS3.
- Different water channels: LOWT and Scheldegoot (WL|Delft Hydraulics, Emmeloord, The Netherlands) and Grober Wellen Kanal (GWK) (Leichteiss Institute, Braunschweig, Germany).

PROFESSIONAL EXPERIENCE

- 2003: Management and coordinator of pilot projects of the Spanish governmental agency to regulate and organize the commercialization of fishing and aquiculture products (FROM). Agriculture, Food and Fishing Ministry.
- 1999-2001: Part time quality control adviser. Iberian Granite Company (COIGRASA). 36700 Guillarei (Pontevedra), Spain.
- 2000-2001: Technical adviser in coastal aspects. Topographic consulting TOPOGRAY. 36400 Porriño (Pontevedra), Spain.

LANGUAGES

- Spanish (native)
- English (fluent)
- Italian (medium)
- Dutch (basic)
- Portuguese (basic)

COMPUTER KNOWLEDGE

- Hardware: Advanced knowledge.
- Software: MS Office XP and 2000, GS Surfer 8 & GS Grapher 4, Corel Draw 10, SPSS 9 and Origin 6.
- Operative systems: Advance knowledge on Windows XP, Me, NT4 and 2000; medium on Mac and basic on LINUX and UNIX.
- Programming: Medium knowledge of Visual Basic 6.
- Networking: Medium knowledge of Windows networks set up and maintenance.

OTHER ACTIVITIES

- Member of the Pedro Barrié de la Maza Foundation Fellowship Association.
- Member of the E.U. Fellowship Association (Marie Curie Fellowship Association).

REFERENCES AVAILABLE UPON REQUEST.