

**Member of the  
Committee for Socio-economic Analysis (SEAC)**



**1. Name**

- Alexandre, João Henrique  Ms. / x Mr

**2. Nominated by (MS/Committee):**

- Portugal

**3. Nationality:**

- Portuguese

**4. Education:**

- Ph.D on Materials Engineering
- MSt on Materials Engineering
- Degree on Technological-Chemistry

**5. Relevant Employment**

*Present:*

- Directorate – General for Economic Activities of Portugal (Expert in the Department for Manufactory Industry for Chemicals Unity)

*Relevant previous employment:*

- Scientific Research in polymeric material in National Institute of Engineering, Technology and Innovation (INETI) and National Laboratory of Energy and Geology (LNEG)

**6. Relevant fields of in-depth expertise:**

Area of expertise	Description
Polymer Physics	Physical characterisation of polymers materials
Polymer Chemistry	Chemical characterisation of polymers materials
Polymer Processing	Plastics and elastomers processing. Recycling of polymers
Coatings	Anti-corrosive organic coatings
Analytical Chemistry	Identification and quantification of chemical substances in polymeric matrix
REACH and CLP	Preparation of participation of the Portuguese CA in CARACAL, REACH&CLP Helpdesk and Advisory Committee to REACH (CCREACH)

**7. Membership of relevant professional bodies:**

- Member of the Portuguese Materials Society

**8. Other Relevant Information:**

Relevant Publications and Comunicacions

- J. H. Alexandre, J. P. Figueiredo, A. S. Vieira, I. N. Alves, S. Dias, T. C. Diamantino, "Evaluating Alternatives to Coal Tar Epoxy Coatings for Partially Immersed Steel Structures in Estuary and Seawater", *Corr. e Prote. de Mat.*, vol. 29, nº1, p. 6-18, 2010.
- J. Alexandre, M. R. Marvão, G. Feio, "<sup>2</sup>H NMR Study of Deformed Natural Rubber Networks", *Mat. Sci. Forum* vols. 587-588 (2008), p. 687-691.
- J. Alexandre, G. Feio, M. R. Marvão, J. Figueiredo, "Correlation Between Low Resolution Proton T<sub>2</sub> NMR Relaxation and Macroscopic Viscoelastic Properties", *Mat. Sci. Forum* vols. 455-456(2004),p. 459.

- M. C. Ferreira, M. J. Brites, J. H. Alexandre, "Polymers in Phase Change Materials", First International Conference One Materials for Energy, Karlsruhe, Germany, 2010.