

**Joaquim A.S.A.O.  
Carneiro**



## **Joaquim Alexandre Carneiro**

Local of birth: Luanda, Angola – 18/01/1966

Civil state: Married

Nationality: Portuguese and Angolan

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### **Biography**

Joaquim Carneiro initiated the teaching and research career at the University of the Minho (UMinho) in 1992, being Aux. Professor of Definitive Nomination in the Department of Physics (DF) of the School of Science (EC) since 2000.

### **Academic experience**

He obtained his graduation in Physics and Chemistry, at the University of Minho in 1990. In 1995, he obtained the MSc graduation in Physics, in the University of Minho. He obtained the Baccalaureate in Civil Engineering, in the Superior Institute of Engineering of Porto in 1999. He obtained his PhD in Mechanical Engineering in the College of Engineering of the University of Porto (FEUP) in 2000.

He is researcher in the Functional Research Group (GRF) in the Physics Center of Minho University (CFUM). Since the foundation of the group, he is co-responsible for the research line: Advanced coating systems for energy applications with high efficiency.

Actually, he is the Physics Department coordinator of the SOCRATES/ERASMUS programme. He is the Director of the *Research Nucleus in Renewable Energy Technologies of the University of Minho* (NITER - UM). Since 2000, he is the Coordinator of the Physics Department in the Civil Engineering Course Commission of the University of Minho. Since 2000 he is the coordinator of the Laboratory in Analysis of Mechanical Properties of Materials in the Physics Department. Member of the SEMAT - Services in Characterization of Materials in the UMinho.

He develops research activity at CFUM in materials science, field of functional multilayer coatings, nanocomposites and nanostructured surfaces. He has participated in some European R&D projects (FP6, FP7) and also coordinated some Portuguese R&D projects (FCT and ADI). He has participated in the organization of conferences in the field of nanotechnology and surface science and international advanced courses.

In 2009 he was invited by the Bentham Science Publishers to be Publisher of e-books Publications in the field of nanomaterials and its applications. He is author or co-author of more than 40 international scientific publications (ISI), 1 winning project of national competitions in industrial innovation strategies and author of 7 international oral guests' communications.

Other positions: Member of SOPORVAC – The Portuguese Society of Vacuum. He is member of the Portuguese Society of Materials. He is founder and member of the Portuguese Society of Optic and Photonics (SPOF). He is Member of the American Society of Vacuum Coaters (SVC). Member of evaluator panels of the Portuguese Innovation Agency (ADI). He is consultant for the energy sector in Angola and Cabo Verde islands. He is member of the Commission of Honour of the President of the Portuguese Republic.

### ***Professional experience***

- Founder, consultant and partner of company AMT COATINGS - Engineering and Treatment of Surfaces, Lda. AMT Coatings is a technological based SME industry which business idea and strategic technological plan of activity focus on the development/production of technical coatings and advanced surface treatments. The industrial implementation program was developed in September 2002 was supported by several Portuguese institutions from the technological and economic system by start-up's programs

URL: <http://www.amt-coatings.com/>

- Founder, consultant and partner of CESPU – Cabo Verde. CESPU IS a private educational institution, without lucrative ends, those guardianship administratively four private and cooperative high educational establishments.

URL: <http://www.cespu.pt>

- Founder, consultant and partner of the INOVIBER S.A company. The activity of Inoviber is focused in development and elaboration of projects in the field of energy efficiency for domestic industrial buildings.

- Consultant of the DSTsgps company, for the energy sector (field related with photovoltaic energy applications: Joaquim Carneiro has a professional certification - 547/08; Dec. Reg. N°35/2002 in project of photovoltaic systems). Beyond the activity related with public civil constructions, DST expanded its activity to the sectors of water and sanitation, telecommunications and renewable energy (Wind and Photovoltaic).

URL: <http://www.dstsgps.com/content.asp?startAt=2&categoryID=572>