



Federal University of Maranhão
Research Group in Biodiversity, Bioprospecting
and Biotechnology



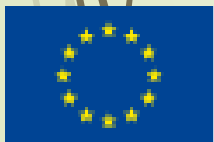
BIOCOR ITN: Personal and Professional growth

Prof. Leonardo Teixeira Dall'Agnol
Buenos Aires, October 22, 2019





Collaborative research
and training across Europe



Marie Curie ITN

► **BIOCOR Initial Training Network (ITN)**

www.biocor.eu

The partners



• **Universities**

- UPMC (Sorbonne)
- Uni.Toulouse
- ParisTech
- RCNS
- UNL
- UCL
- UDE
- UoP
- UO (EUA)

• **Companies:**

- AREVA;
- CEA;
- DNV;
- Ecogeosafe
- M-I SWACO
- Nanochem
- RSE
- Statoil
- Swerea KIMAB.

PhD

2010 - 2013

- **BIOCOR Initial Training Network (ITN)**
- **Biocorrosion– interdisciplinarity**
- **Problem oriented approach:**
 - **“From the field, through the lab, to the field”**
- **Industrial sectors involved:**
 - I. Oil&Gas;**
 - II. Thermoelectricity;**
 - III. Nuclear waste**



PhD

2010 - 2013



PhD

2010 - 2013

25th-30th July 2011, Portsmouth, UK

SUMMER SCHOOL

UNDERSTANDING BIOCORROSION: FUNDAMENTALS & APPLICATIONS

► Courses & Training:

- **2010: Experimental design in proteomics (EuPA Meeting)**
- **2010: BioElectrochemistry of proteins & Electrochemical Biosensors (REQUIMTE)**
- **2011: Summer School – Understanding Biocorrosion: Fundamentals & Applications (UoP/BIOCOR)**
- **2013: Analysing Whole-genome Shotgun metagenomic data (Instituto Gulbekian de Ciência)**

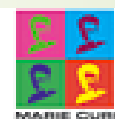


PhD

2010 - 2013

➤ PhD in Sustainable Chemistry– FCT/UNL

- Dissertation: Deeper insights into SRB-driven biocorrosion mechanisms
- Supervisor: Dr. José Moura
- Bioinorganic lab



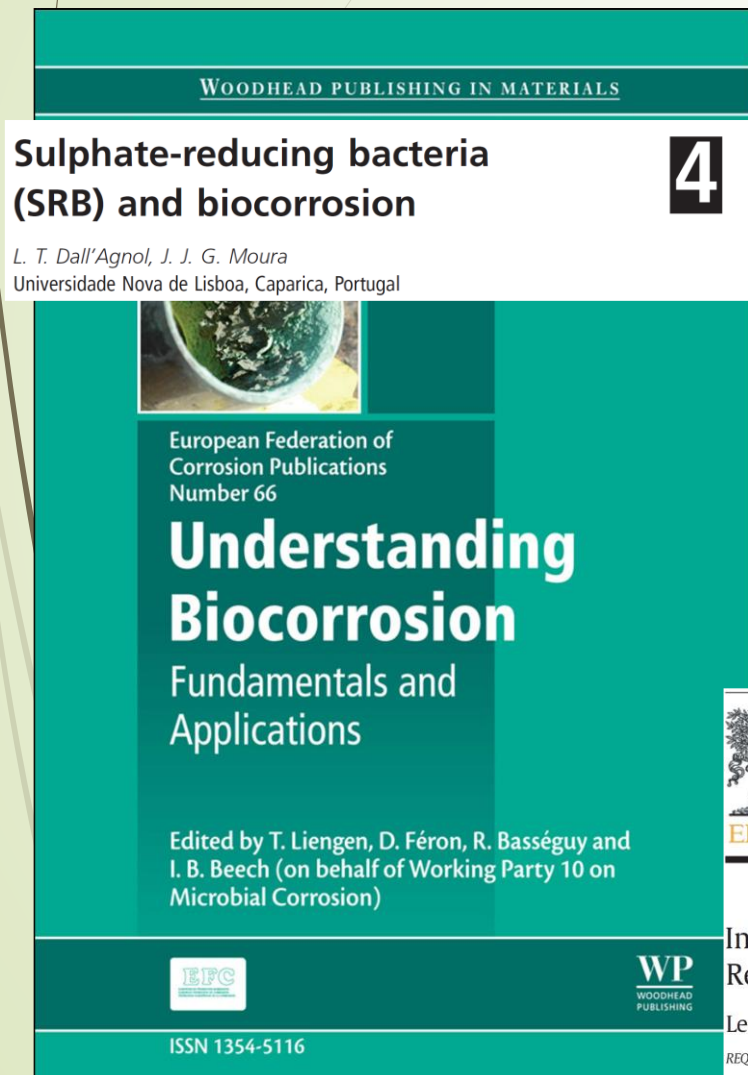
PhD

2010 - 2013

EUROCORR

- 3 oral presentation
- 5 abstracts

+ 3 papers still in preparation



Biofouling

The Journal of Bioadhesion and Biofilm Research



ISSN: 0892-7014 (Print) 1029-2454 (Online) Journal homepage: <http://www.tandfonline.com/loi/gbif20>

Proteins dominate in the surface layers formed on materials exposed to extracellular polymeric substances from bacterial cultures

Yi Yang, Agata J. Wikieł, Leonardo T. Dall'Agnol, Pierre Eloy, Michel J. Genet, José J. G. Moura, Wolfgang Sand, Christine C. Dupont-Gillain & Paul G. Rouxhet



Contents lists available at ScienceDirect

Bioelectrochemistry

journal homepage: www.elsevier.com/locate/bioelechem

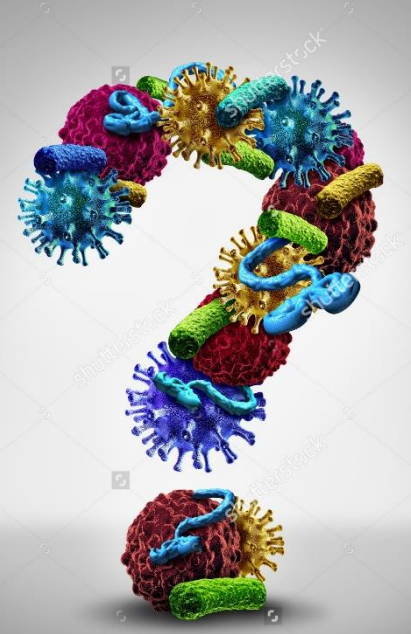


Influence of respiratory substrate in carbon steel corrosion by a Sulphate Reducing Prokaryote model organism

Leonardo T. Dall'Agnol, Cristina M. Cordas, José J.G. Moura*



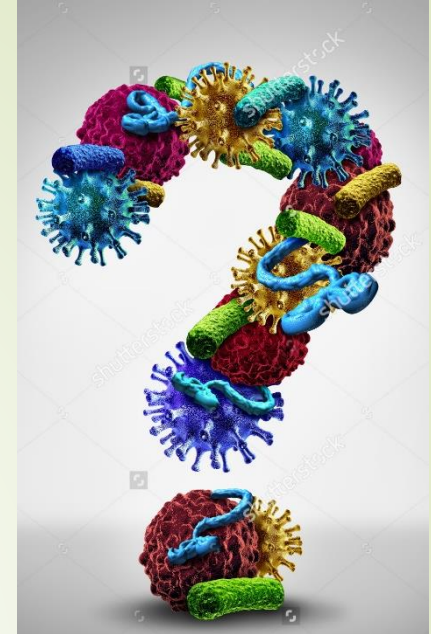
REQUIMTE, Departamento de Química, Centro de Química Fina e Biotecnologia, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, 2829-516 Caparica, Portugal



Thank you!

leonardo.td@ufma.br

@ltdallagnol



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MCAA
RESEARCH CONFERENCE

BUENOS AIRES
OCTOBER 21-22
2019

MARIE CURIE ALLUMINI

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