

RESEARCH GRANT (BM) (1 vacancy)

Reference: COFASP/0005/2015/RAS-ORGMAT/2017-029

A competition is open for the attribution of 1 Research Grant in the framework **of the ERA-NET Cooperation in Fisheries, Aquaculture and Seafood Processing (COFASP), with reference RAS-ORGMAT – Developing water treatment technology for land based closed containment systems (LBCC-RAS) to increase efficiency by reducing the negative effects of organic matter, within the R&D Institution CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), supported by the FCT – Foundation for Science and Technology (COFASP/0005/2015)**, according to the following conditions:

1. Scientific area: Chemistry

2. Admission requirements

The candidates must hold a Master Degree in the field of in Chemical Sciences or related scientific fields.

The candidates must have technical and scientific training on analytical techniques in particular optical and electrochemical techniques.

A demonstrated experience to perform surface modification and synthesis and manipulation of sol-gel, gellified solvents and materials, deep eutectic solvents is expected.

Availability to work in a flexible regime

Immediate availability

Very good fluency in English is expected.

Driving Licence (Category B)

3. Work plan:

This project aims to develop strategies and water treatment technologies for the removal of particulate organic matter (POM) in land-based aquaculture systems with water recirculation. The removal of POM is the key to improve fish production in these systems because POM stimulates heterotrophic bacteria, which produce CO₂ and ammonium. So, monitoring CO₂ is crucial in this context and a new dissolved CO₂ sensor will be tested in

relevant environments. The candidate will mainly be involved in the preparation and testing of thin film sensing layers.

4. Legislation and official rules:

Law nº. 40/2004, 18th August (Research Fellowship and Studentship Regulation); Regulations for Studentships and Fellowships of the Fundação para a Ciência e a Tecnologia, I.P. – 2015 and CIIMAR Grants Regulation.

5. Work place:

The work will be carried out in a multidisciplinary environment between CIIMAR (BioCoastal-FCUP and CIIMAR laboratory) and INESC TEC Applied Photonics group, at the Faculty of Sciences of Porto University, under the scientific supervision of Prof. Teresa Borges and Dr. Pedro Jorge.

6. Duration of the grant:

Duration of six (6) months, starting in October 2017, under the regime of exclusive dedication, eventually renewable according to legal terms, up to the term of the project.

7. Monthly maintenance stipend:

The monthly maintenance allowance is €980 (nine hundred and eighty Euros – Tax Free), in agreement with the monthly maintenance stipend table of the grants directly attributed by FCT, I.P. within the country (<http://www.fct.pt/apoios/bolsas/valores.phtml.en>).

8. Selection methods:

The ranking of candidates will be performed in a first phase by two components: scientific experience **relevant** for the area of the project RAS-ORGMAT (80%) and other relevant activities (20%). In case of ties, ranking will be performed by interview (30%) plus the curricular evaluation done in the first phase (70%).

9. Composition of the jury selection:

President of the jury: PhD Maria Teresa Borges, Professor Auxiliar FCUP

Vogal: PhD Carlos Manuel Melo Pereira, Professor Auxiliar FCUP

Vogal: PhD Pedro Alberto da Silva Jorge, Investigador Senior INESC TEC

Substitutes:

Dr. Catarina Magalhães, Investigadora CIIMAR

Prof. José Américo Sousa, Professor Auxiliar FCUP

10. Form of Advertising/notification of results:

The final results of the evaluation will be published through a list sorting the candidates according to their attributed mark, on the CIIMAR website and by e-mail; in case of disagreement, the candidates have a 10-working day term in which to contest the decision, if he/she so wishes, as provided for in the Código do Procedimento Administrativo in a preliminary hearing setting. The jury reserves the right to not assign the grant depending on the quality of the applications.

11. Deadline for application and presentation of applications:

The competition is open from **26th July to 8th August**. The applications must be formalized, compulsorily, by sending the following documents:

- motivation letter, with mention to the reference of this specific Competition
- detailed Curriculum vitae
- copy of the eligibility certificates, including driving license
- reference letter and contact information of current and past supervisors
- contact e-mail address and phone number
- indication of the reference of the competition (as indicated in this announcement)

The applications must be sent by postal mail to Emília Afonso, CIIMAR – Centro Interdisciplinar de Investigação Marinha e Ambiental. Novo Edifício do Terminal de Cruzeiros do Porto de Leixões. Av. General Norton de Matos s/n. 4450-208 Matosinhos, and simultaneously by e-mail to: secretariado@ciimar.up.pt. The applications that **do not include all** the elements previously indicated will **not be considered**.