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		REV.: 02
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## **Post-Doctoral Fellowship – 1 Vacancy**

**Within the project - MAFIHA**

**Project Ref<sup>o</sup>: 2023.00192.RESTART**

**Ref. <sup>a</sup>: CCMAR/BPD/02/2025**

The Centro de Ciências do Mar do Algarve (CCMAR) opens one (01) vacancy for a postdoctoral fellowship (BPD) in the scientific area of **Global Changes, Biochemistry, Oceanography** or related area, eligible to candidates of any nationality, including stateless persons and beneficiaries of the political refugee status, within the scope of the research project **2023.00192.RESTART**, designated by **MAFIHA** – “*Microplastics From Atmospheric Fallout : Impacts at high altitudes*” funded by the Foundation for Science and Technology, under the following conditions:

**Host and Contracting Institution:** CCMAR

### **Work Plan, Tasks and Objectives:**

The main activities of the candidate during the 3 months of the fellowship will consist of extracting microplastic particles from snow samples and analyse them for their classification into different types of plastics (see e.g. Sánchez del Río, 2022), following the methodology already implemented since the start of project.

### **Main tasks are divided into:**

**Task 1.** Filtration of snow samples. Whenever necessary, a preliminary step of density separation will be performed.

**Task 2.** Digestion of the samples using hydrogen peroxide;


**Task 3.** Observation and identification of potential microplastic particles under a magnifier;

**Task 4.** Analysis of a selected amount of particles for micro-FTIR analysis;

**Task 5.** Classification of particles into different polymer types using an R code already provided, but with the possibility to be improved.

### **Scientific Supervisor:**

Professor Maria Clara Costa, group leader, Professor at the University of Algarve and CCMAR member.

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**Workplace:**

The place of work is at CCMAR (Campus Gambelas, Universidade do Algarve, Faro, Portugal) and other places necessary for the competition of the work plan.

**Requirements for the application:**

The Candidates must meet the following conditions:

1. PhD certificate in Chemistry, Chemical Engineering, Environmental Sciences, Marine Biology, or related, obtained in the three years prior to the date of submission of this application;
2. Elementary knowledge of data analysis (e.g. Microsoft Excel);
3. Proven knowledge on microplastic extraction processes (density separation, oxidation with chemical reagents);
4. Experience observing microplastic particles under a magnifier or microscope;
5. Good communication skills in English and/or Portuguese;
6. Candidates who have carried out research work leading to a doctoral degree at CCMAR as host institution are not eligible;
7. The candidates must comply with Article 3 of the CCMAR Scholarship Regulations, [here](#). This will be confirmed in the Curriculum Vitae.

**Non-compliance justifies exclusion from the procedure.**


**It is considered as an advantage:**

- a) Experience programming in R language;
- b) Experience using a micro-FTIR for microplastic analysis.

**Evaluation Criteria:**

Through the analysis of the application documents the evaluation criteria for the applications and their relative weight for ranking are as follows:

- a) CV demonstrating the adequacy of the candidate to the profile of the fellowship, particularly previous experience in microplastic analysis (40%)
- b) Motivation Letter (20%);
- c) Good organization and management skills (15%);
- d) Fluency in English (good oral and written communication skills (10%);
- e) Experience using micro – FTIR (10%);
- f) Experience programming in R language (5%).

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The selection committee reserves the right to contact and interview candidates if additional information or clarification of any curricular aspect is necessary. In case it takes place, the interview aims to evaluate in more detail the curricular items used to grade the candidate according to the list above.

In the event that no applicant has the necessary profile, the selection committee reserves the right to close the call without any recruitment. In the event that the selected person does not take up the position because of failure to comply with documentary requirements or any other reason, or later during the contract if they resign, the jury reserves the right, upon convenience and opportunity, to assign the post to the next applicant in accordance with the ranking positions based on the selectable reservation list that can be used up to 06 months of the date of the present announcement.

**Fellowship conditions:** The fellowship will have an initial duration of 03 months with an expected start date of March 2025 and up to the end of the project. The fellowship must be carried out under an exclusivity regimen, according to the CCMAR fellowship regulations (see [here](#)), and the FCT fellowship regulation based on the Portuguese law 40/2004, of 18 of August (Scientific Research Fellowship holder statutes) amended by the Decree-Law 123/2019 of 28 of August. A maintenance allowance of 1801.00€ will be paid monthly, through bank transfer, and will be updated as stipulated by the Foundation for Science and Technology (see [here](#)).


**Application period:** from 07<sup>th</sup> of February 2025 to 21<sup>st</sup> of February 2025 at 23:59 (Lisbon time, Portugal).

**Application process and mandatory documents:**

Only complete applications submitted directly and obligatorily on the CCMAR website, <https://ccmar.ualg.pt/en/career-opportunities>, are accepted and must include the documents below indicated under penalty of exclusion:

1. Copy of the Doctoral Certificate;
2. Detailed Curriculum Vitae (in English);
3. A letter of motivation (in English);
4. The email contact of up to 3 referees.

**The submission of an application without the documents/information required above determines the immediate rejection of the application.**

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**Results and Prior Hearing:** Notification of admission and ranking results will be communicated by email to candidates within 90 working days after the deadline for submitting applications. After said notification, the candidates have 10 working days to comment/challenge the preliminary decision.

**Selection Committee:**

Doctor Isabel Marín Beltrán, Researcher at CCMAR (President of the jury); Professor Maria Clara Costa, group leader, Professor at the University of Algarve and Researcher at CCMAR (member), Jorge Pey, Researcher at Instituto Pirenaico de Ecología, IPE-CSIC (member), Doctor Carmen Santos, Researcher at CCMAR (Substitute Member) and Luís M. Nunes, Professor at University of Algarve (Substitute Member).

**Notes:**

Hiring Documents

After the candidate is selected and for the hiring purpose the following documentation/information will be requested:

- Copy of the doctoral degree;
- Declaration of commitment stating the exclusivity regime;
- Declaration of the commitment of honour;
- Civil, fiscal and social security Identification (if applicable);
- Account Number – IBAN;
- Ciência ID: <https://www.ciencia-id.pt/CienciaID/HomePage.aspx>

Fellowship Agreement model

After the candidate selection and all information is received, it will be signed a fellowship agreement in accordance with the model [here](#).


Fellowship holder Assessment

The activity developed by the fellowship holder will be evaluated by the supervisor, by applying the following criteria, in accordance with the model below.

**Criteria 1** – Technical and scientific performance (40%)

**Criteria 2** – Compliance with the defined project objectives and tasks (30%)

**Criteria 3** – Commitment to the project, ability and willingness to work as part of a multidisciplinary team (30%)

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Supervisor report model [here](#).

#### Fellowship holder report

By the end of each fellowship period (if applicable) the fellowship holder must present a report. You can find the fellowship holder final report model [here](#).

**The present call is subject to the approval of the funding entity. The board of Directors reserves the right, due to a change in circumstances at the date of the present announcement, to cancel the present call without any recruitment.**

Disabled candidates shall be preferred in a situation of equal ranking, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication / expression means to be used during selection period on their application form, under the regulations above.

CCMAR endorses the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Charter and Code).

CCMAR's non-discrimination and equal access opportunities policy – No candidate can be privileged, benefited, jeopardised or be deprived of any right or exempt of any claim in regards to descendent, age, gender, sexual orientation, marital status, economic situation, origin, social economy, genetic heritage, disability, chronic disease, nationality, ethnicity, territory of origin, language, religion, politics, ideology or union membership.

**Faro, 4 of February 2025**