

**INESC TEC | Research Grant (AE2024-0121)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=233273>

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Posted Mar. 25, 2024, set to expire Jul. 21, 2024

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0121)
<b>Department</b>	CAP
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Mar. 25, 2024
<b>Application Deadline</b>	Apr. 5, 2024
<b>Position Start Date</b>	Mar. 21, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
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<b>Job Description</b>	

Research Opportunity

**Development of optical sensors and instrumentation to implement in aquatic systems**

**Work description**

Aquaculture intensification and the high demand for energy production have raised environmental concerns. It is imperative to understand the impact of those activities on both human and planet life. To secure the long-term viability of both sectors, it is imperative to enhance current technologies and management strategies.

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This scholarship will be carried out within the scope of the European project INNOAQUA, which aims to develop and implement optical technology in an industrial context for the evaluation of several water parameters.

### **Academic Qualifications**

Master's degree in Physics Engineering or similar

### **Minimum profile required**

- Experience in operating optoelectronic systems.
- Experience in programming microcontrollers and data analysis software development.
- Basic knowledge in chemistry.

### **Preference factors**

- Master's degree in physics engineering.
- Practice in experimental work with optical systems, namely using fiber optics.
- Experience in the development of prototypes.

### **Application Period**

Since 21 Mar 2024 to 05 Apr 2024

### **Centre**

Applied Photonics

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**Scientific Advisor**

[Luís Carlos Coelho](#)

For more information: <https://www.inesctec.pt/en/opportunities/development-of-optical-sensors-and-instrumentation-to-implement-in-aquatic-systems-AE2024-0121>

**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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