

Reference: ASc Junior/MSc Researcher – Paper Technology (MSc 17)

Job summary

The collaborative laboratory Associação AlmaScience - Investigação e Desenvolvimento em Celulose para Aplicações Inteligentes e Sustentáveis (CoLAB AlmaScience), funded by the Centro 2020 Operational Program, in the Competitiveness and Employment thematic area, through the European Social Fund (ESF), CENTRO-04-3559-FSE-000094, has opened a job position for the role of Junior Researcher – Paper Technology.

Envisioned as a bridge to connect – on one side – a set of science producers with outstanding track record at European level in the fields of Advanced functional materials and pioneers in promoting the area of Transparent Electronics and Paper Electronics and – on the other side – major paper and pulp developers and producers and a set of its end-users willing to revolutionize their market approach, CoLAB AlmaScience aims to establish in Portugal an integrated and innovative sustainable smart paper-based platform able to serve multi-sectors with fully recyclable product-ranges, capturing the needs associated with the Internet of Things (IoT).

In close contact with the academic and the industry associates, and within a multidisciplinary scientific environment, integrated in project teams the candidate will conduct R&D activities in the field of Paper Manufacturing, besides other scientific and management activities better described in the candidate profile and main attributions sections bellow.

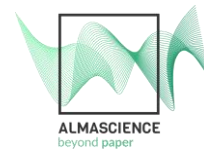
About the CoLAB AlmaScience

Colab Almascience – Research and Development on Cellulose for Smart and Sustainable Solutions, is a non-profit private association focused on research, innovation, development and deployment activities in interdisciplinary fields, involving the exploitation of nanotechnology and advanced functional materials and their use to create eco-game-changing paper-based, fully printable, multifunctional devices and systems.

On this base, Colab Almascience aims to deliver sustainable and universally accessible solutions, with real life impact on people and companies, by effectively enabling IoT in areas like, security, environment, health, electronics, logistics, food or energy.

Envisioned as a bridge to connect a set of science producers (Raiz – Forest and Paper Research Institute; Fraunhofer Portugal Research; NOVAidFCT – Associação para a Inovação e Desenvolvimento da FCT; and Universidade Nova de Lisboa) with outstanding track record at European level in the fields of Advanced functional materials and pioneers in promoting the area of Transparent Electronics and paper Paper electronics Electronics and – on the other side – paper and pulp developers and producers and a set of its end-users willing to revolutionize their market approach (The Navigator Company; INCM - Portuguese Mint and Official Printing Office; and Clara Saúde), CoLAB AlmaScience aims to establish in Portugal an integrated and innovative sustainable smart paper-based platform able to serve multi-sectors with fully recyclable, eco-product-ranges, capturing the needs associated with the Internet of Things (IoT).

Candidate profile / admission requirements



The candidate must have a master's degree in the areas of Chemistry, Chemical Engineering, Materials Science, Nanotechnologies or related fields.

Preference will be given to anyone with experience in cellulose modification, specialty paper development, paper functional coatings.

The candidate must also be able to demonstrate:

- Ability to work in a multidisciplinary team in an international environment and to work independently.
- Strong interest in applied research and science.
- Excellent communication skills with fluency in English.

Candidates with a foreign degree or diploma must provide proof of recognition of the degree in accordance with Decree-Law No. 66/2018. Any candidate without recognition of the grade(s) will not be admitted to evaluation

Main attributions

The Junior Researcher shall be responsible for performing the following tasks:

- Paper modification and coatings
- Cellulose, chitosan or other biobased hydrogels
- Preparation of periodic technical-scientific reports in English on relevant work developments.
- Participation in the dissemination and promotion of the main results.

The Junior Researcher shall fully devote the whole of his/her professional activity to AlmaScience on an exclusive basis.

Place of work

The Junior Researcher working place shall be at the premises of AlmaScience branch located in RAIZ – Forest and Paper Research Institute in Aveiro, and he/she shall travel in Portugal or abroad, as required by his/her professional activity.

Type of contract and applicable legislation

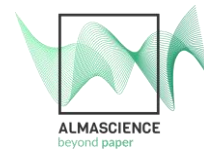
The hiring of the Junior Researcher shall be made in accordance with the Portuguese Labour Code. The contract should begin as soon as possible (but expectedly no later than March 2022).

Reference remuneration statue

The reference remuneration statue for this position at the CoLAB AlmaScience will be adjusted in accordance with the candidate profile and experience.

How to apply

2/3



To apply the candidate must send to global@almascience.pt until the 31st January 2022:

1. A letter of motivation (pdf file) on why the candidate would be suitable for the position; Detailed curriculum vitae with copy of qualification certificates and copy of other relevant supporting documents (pdf file);
2. If applicable, copy (or reference) of scientific articles in which the candidate is author and considers most relevant on his/her professional career;
3. One-minute English video where you must briefly describe your motivation for this application (YouTube or another link);
4. Recommendation letters (pdf file).

The email subject shall only contain the job reference: ASc Junior/MSc Researcher – Paper Technology (MSc 17).

Non-discrimination and equal access policy

AlmaScience actively promotes a non-discrimination and equal access policy, reason for which no candidate can be benefited, prejudiced or deprived of any duty, namely age, sex, disability, sexual orientation, chronic illness, nationality, ethnic origin or race, religion or political beliefs.