

## **Reference: ASc Senior/PhD Researcher – Paper Technology (PhD 16)**

### **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 Senior Researcher in 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 Technology, 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 PhD in the areas of Chemistry, Chemical Engineering, Materials Science, Nanotechnologies or related fields.

Preference will be given to anyone with experience in cellulose modification, pulp and paper modification and/or 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**

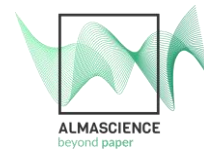
The Senior Researcher shall be responsible for performing the following tasks:

- Modification of cellulose pulps
- Development and processing of specialty papers and functional coatings
- Cellulose based hydrogels and aerogels development
- Preparation of periodic technical-scientific reports in English on relevant work developments.
- Participation in the dissemination and promotion of the results.
- Work in multidisciplinary teams, in different faculties or schools in academia, and in different functions of the business in industry;
- Collaborate with industry and academia to apply the results of research and develop new techniques, products or practices;
- Devise or help to draw up new research proposals and apply for funding
- Supervise students (in co-coordination with academia), train and supervise other members of staff

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

### **Place of work**

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



### **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.

### **Type of contract and applicable legislation**

The hiring of the Senior Researcher shall be made in accordance with the Portuguese Labour Code. The contract should begin no later than March 2022.

### **How to apply**

The candidate must send an application to [global@almascience.pt](mailto:global@almascience.pt) until the 31st January 2022 with:

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

The email subject shall only contain the job reference: ASc Senior/PhD Researcher – Paper Technology ( PhD16).

### **Jury composition**

Applications shall be subject to evaluation by a jury composed of the following members.

- President – Luís Pereira (AlmaScience - Scientific and Technical Director )
- First effective member- Carlos Pascoal Neto (Raiz – Instituto da Floresta e do Papel)
- Second effective member – Elvira Fortunato (FCT-NOVA - Full Professor)
- Third Member: Silvia Garcia (INCM-Head of Innovation Lab);

### **Selection criteria**

Applications will be ordered based on curriculum evaluation and, if deemed necessary by the jury, an interview will be conducted. In all cases, the suitability of the candidate's profile will be considered according to the duties / activities to be performed. Applications that do not include all elements required in the application submission will be automatically excluded from the competition. The selection phases and criteria and their respective weighting shall be as follows:

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- a) First phase – curriculum evaluation
  - a. Curriculum vitae evaluation (50%);
  - b. Experience in the field of the main attributions (50%);

If the jury evaluates the candidate with a total value above 60% in the first two criteria, the candidate will advance for the professional interview phase; if the evaluation lays below the 60% limit, the candidate will be excluded.

- b) Second phase – professional interview – if the candidate advances to the professional interview phase, the selection criteria and their respective weighting shall be as follows:
  - a. Curriculum vitae evaluation (35%);
  - b. Experience in the field of the main attributions (35%);
  - c. Professional interview (30%).

### **Final Decision**

The final deliberation of the jury shall be homologated by the ultimate governing body of AlmaScience that is also responsible for the final decision of hiring. CoLAB AlmaScience is free to fill the position or not and may suspend or terminate the process at any time.

Results will be sent by electronic mail with receipt of delivery to all candidates.

### **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.