

# JOB DESCRIPTION

## 1 GENERAL DESCRIPTION

**Published:** 31/05/2024

**Deadline:** 16/06/2024

**Reference:** G2413

**Research Activities:** Green buildings, Smart buildings, Energy efficiency

**Position:** Post-doc in sustainable construction

**Location:** Benguerir, Morocco

**Contract type:** CDI

**Eligibility:** At least a 1-year professional experience in characterization laboratories

We are now looking for talented, innovative, and driven **Postdoctoral Researcher in sustainable construction**. The position is open to candidates holding a Ph.D. degree in materials science and environment or a related field with a focus on advanced composite building materials.

## 2 RESPONSABILITIES

As part of the EESEPS R&D program (2024-2029), the Postdoctoral Researcher will be responsible for:

- Development of composite building materials focusing on sustainability and circularity concepts.
- Collaboration with peers and external partners on interdisciplinary projects.
- Establishment of research projects for national and international calls, and proactive pursuit of funding opportunities.
- Supervision and support for the research efforts of a team consisting of 4 doctoral students and 1 engineer.
- Utilization of advanced characterization techniques to analyze construction materials properties.
- Application of thermodynamic modeling to predict materials' behavior under various conditions for optimized design.
- Conducting geotechnical and geo-environmental and LCA analysis to assess environmental impacts of proposed waste-based products.
- Publication of research findings in leading journals and/or contribute to the dissemination at national/international conferences, workshops, and meetings.
- Assistance in the supervision of junior researchers in project planning, design, and manuscript writing.



- Procurement assistance includes redacting specifications and contacting international suppliers for appropriate equipment acquisition.
- Organization and implementation of training modules.
- Active participation in professional development activities for career advancement within the organization.

### **3 REQUIRED SKILLS**

- Solid experience in construction materials;
- Solid research skills;
- Experience in characterization techniques specific to materials for construction;
- Doctoral degree in materials science and environment or a related field with a focus on building envelope materials;
- Excellent level of English as working language in spoken and written;
- Experience in thermodynamic modelling or analytical software;
- Strong motivation for academic activities, such as scientific publications, thesis supervision, etc.

#### **How to apply:**

Interested candidates are requested to submit their application, including a detailed curriculum vitae and motivation letter. Applications should be emailed to [recrutement@greenenergypark.ma](mailto:recrutement@greenenergypark.ma) by specifying the offer Ref in the email subject.