Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,300 employees in research, teaching, technology and administration a lively working environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The Department of Chemistry at the Faculty of Science - Chair of Sustainable Materials Chemistry – offers a position for a

**Postdoctoral researcher (w/m/d)**

(Pay scale 13 TV-L)

The position is initially limited to 1.5 years with the amount of up to 100% of regular work time. A part-time employment starting from 50% of regular work time is possible. The position is limited to the duration of the qualification procedure, according to the federal state Science Employment Law (WissZeitVG), in order to improve the following qualifications: project management, experiences with the support of students, experiences with project work and autonomous third-party funds applications.

The scientific focus of this position is related to develop new highly porous and stable carbonaceous materials for their use as electrodes in electrochemical conversion technologies with special focus in CO₂ revalorization and H₂ production. An active involvement in teaching activities (supervision of exercises, practical courses and theses) of the successful applicant is expected (2 SWS). The candidate will also actively supervise and execute experiments, co-supervise students, participate in grant proposals submission and preparation and publication of scientific articles.

We expect:

- Very good academic record.
- PhD in chemistry, material sciences or electrochemistry
- Research experience and excellent preparative skills in the field of carbon materials
- Experience with porous materials characterization (physisorption analysis, XRD, solid-state NMR) and electrochemical techniques
- Experience in supervising undergraduate students, managing laboratory resources
- Experience in proposal writing
- Good interpersonal skills
- Willingness to travel, good knowledge of the English language

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Inquiries concerning the professional requirements of the position should be addressed to Jun. Prof. Maria de las Nieves López Salas (nievesls@mail.uni-paderborn.de). Please send your application including an up-to-date *curriculum vitae*, letter of motivation and a selection of up to three research articles (preferably as a single pdf file) under reference number 5588 by 25.11.2022 via email to nievesls@mail.uni-paderborn.de. The applications not containing all the required documents will not be considered.

You can find information on the processing of your personal data under: [https://www.uni-paderborn.de/zv/personaldatenschutz](https://www.uni-paderborn.de/zv/personaldatenschutz).

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