**Open Fund Application Guide for 2022 of Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health**

"Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health"（referred to as the "Research Centre"）is an international joint research center focusing on nano carbon-based materials and environmental health in Anhui province. Relying on the School of Materials Science and Engineering of Anhui University of Science and Technology, it is focused on the areas of new materials, new energy, energy conservation, environmental protection and health, which support basic theory and techniques in applications in the field of environmental health for nano carbon and carbon-based composite materials.

To promote the development of nano carbon-based materials and related industries in Anhui Province, focus on serving the construction of "Three Regions and One District" in Anhui province, "Four Integration" development strategy and "Three Entries " work schedule of Anhui University of Science and Technology, and attract high-level scientific and technological talents in domestic and abroad to carry out cooperative research and strengthen academic exchanges, the open fund of the Research Center in 2022 is soliciting research proposals from domestic and abroad. The relevant instructions are notified as follows:

**1. Supported research proposals in 2022**

The following research contents and areas will be supported majorly:

1. Rapid detection technology of nano carbon-based materials in the environmental health areas.
2. Development of green and efficient preparation technology and magnetoelectric functional materials with coal-based carbon.
3. Controllable preparation of electrocatalytic materials and the structure-activity relationship between the properties and the structures.
4. Coal-based functional composites and their applications in the environmental health areas.
5. Research on polymer-derived carbon matrix and its composites.
6. Research on functionalization and resource utilization of coal-based solid waste.

**2. Types of funded proposals**

Depending on the applications, the projects to be funded in 2022 will be divided into two types: 1-2 key projects and 5-7 general projects. The funding quota for key projects is ¥50,000 (RMB) and the general project is ¥30,000 (RMB). The research period is from Aug. 2022 to Jul. 2024.

**3. Application conditions and requirements of open fund**

1. The applicant should belong to a university, scientific research institution or relevant enterprise.
2. The research proposals should be with clear ideas, specific objectives, detailed research contents, and important innovative scientific significance, which are expected to make significant progress soon.
3. In principle, applicants should apply for open fund projects based on basic research and applied basic research.
4. Applicants should have a doctoral degree or associate senior title or above, have experience in independent scientific research and technology development with a certain foundation of research work in related fields, and without a record of academic misconduct, or illegal activities.
5. Each project team member can only participate in the declaration of one project.

**4. The procedures of an application**

1. The applicant shall fill in the Application Form for the Open Fund of Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health (See Appendix 1) and send it to the designated mailbox before August 10, 2022.
2. After the preliminary review, the Research Center will organize the academic committee to conduct the final review and inform the applicants of the results.
3. The subject must set clear and assessable intellectual property objectives (papers, monographs, patents, etc.), with specific requirements as follows: the completion of the key project requires that the applicants should publish 2-3 papers related to the research project in SCI source journals, including at least 1 paper in CAS SCI Region 2 or above, or 1 CAS SCI Region 1 journal. The general project is required to publish 1-2 papers related to the research topic in SCI journals. Other types of research results shall be discussed and recognized by the academic committee of the Research Center. The research results shall be labeled first by the Research Center or labeled first by the School of Materials Science and Engineering of Anhui University of Science and Technology and labeled second by the Research Center.
4. The relevant results of the funded projects should be marked as "Anhui International Joint Research Center for Nano-carbon Based Materials and Environmental Health". At the same time, "Anhui Province International Joint Research Center for Nano carbon-based Materials and Environmental Health (Project No.)" should be noted in the acknowledgments “Supported by the Open Fund of Anhui International Joint Research Center for Nano carbon-based Materials and Environmental Health (Grant No.) ". Those who have their own projects and funds must indicate in their research results that "This research was completed in Anhui Province International Joint Research Center for Nano carbon-based Materials and Environmental Health".
5. After the project is established, the fund will be allocated twice. The first time is within one month after the project is approved, the project leader can reimburse 60% of the project expenses according to the invoice. After evaluation of the mid-term assessment of the project, 40% of the remaining project funding will be reimbursed by the project leader; If the result of the mid-term assessment is incomplete, the remaining funding will be postponed, and the remaining funding will be reimbursed after the completion of the project.

**5. Notice reminder**

1. The application form contained in this notice includes the text of the application form and relevant attachments.
2. Application documents that do not meet the requirements or overdue applications will not be accepted.

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**Appendix 1**: Application Form of Open Fund for Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health

Anhui International Joint Research Center for Nano Carbon-based Materials and Environmental Health

July 13, 2022