

Council for Development of Nano and Micro Technologies

In the Name of God

Funding Opportunity Title:

MOF-based nanocomposite membrane adsorbents for atmospheric water harvesting

Introduction:

The Vice-Presidency for Science, Technology, and Knowledge-Based Economy Affairs (ISTI) of Iran, in partnership with the Iran Nanotechnology Innovation Council (INIC) and The Mustafa Prize Investment and Endowment Fund (MPIEF), are announcing call for collaborative research projects. This opportunity is open to Iranian researchers affiliated with research institutions and distinguished Muslim researchers from high-ranked universities worldwide. The focus of this call for proposal is to design and develop novel nanocomposite membranes to adsorb water from air.

Goals and Research Themes:

The main goal of this call is to promote and encourage researchers in the fields related to MOF-based nanocomposite membranes, with the aim of improving collaborations between Iranian researchers and the Muslim researchers in other countries. It is considered that the amount of water absorption from the air should be maximum according to the amount of MOF used. This can include the following membranes:

- MOF-Coated Membranes
- MOF-based mixed matrix membranes

Funding Details:

- ✓ Selected projects will receive joint funding from ISTI and INIC of 10,000 USD.
- ✓ MPIEF will also fund projects with an additional 10,000 USD.
- ✓ The funding period for projects is one year, with the possibility of a 3-month extension without extra funding.

Researchers interested in this funding opportunity are encouraged to prepare research proposals in line with the specified research themes and sub-topics.