



Northern Border University

Sustainability

Sustainable Research Center

Research chairs

<https://deanship-of-scientific-research.nbu.edu.sa/research-chairs>

Research centers/chairs are a major factor and a strong tributary to the development and progress of the scientific movement and the advancement of cognitive aspects. They are a link between universities and the rest of the sectors (governmental - private) so that integration is achieved by benefiting from the chair's knowledge outputs so that it benefits the sector supporting the scientific chair, thereby achieving national and societal goals.

Scientific chairs provide the opportunity for experienced researchers to transform their ideas and projects into a tangible reality that contributes to the construction and development process and serves topics and problems related to society, the state, and other interactive topics that affect the Saudi environment. The scientific chairs are also considered a nurturing and encouraging environment for distinguished graduate students as well as undergraduate students to participate in the research field.

In order to achieve the Kingdom's Vision 2030, Saudi universities are recently moving towards approving more research chairs with topics related to university research priorities emanating from the national vision, with the aim of creating research entities in distinct fields that meet national and societal needs and contribute to finding solutions to contemporary issues according to an accurate scientific research vision.

Prince Faisal bin Khalid bin Sultan Chair for Renewable Energy Studies and its Applications

<https://deanship-of-scientific-research.nbu.edu.sa/en/chair-his-highness-prince-faisal-bin-khalid-0>

Prince Faisal bin Khalid bin Sultan chair for Renewable Energy Studies and its Applications has contributed to more than 73 papers published in high-ranking journals in the field of renewable energy.

Interest in studying the issue of renewable energies as they represent one of the most important major sources of global energy outside oil, as well as being clean and non-polluting energy, which gives it great importance in achieving sustainable development. Among these renewable energies we find wind energy, solar energy, both electrical and thermal, and energy derived from biogas. It should be noted that the main goal is to move from development that depends on fossil energy sources to sustainable development that is concerned with preserving the resources of subsequent generations by relying on renewable energies.

This chair is considered one of the tributaries that highlight the role of Northern Border University in supporting scientific research by developing the capabilities of researchers and graduate students in the field of preparing scientific research and related skills, holding scientific meetings, and participating in scientific conferences and seminars related to renewable energies and their uses in the Kingdom of Saudi Arabia, in addition to this. To work on bringing in local and international scientists and experts.

Vision:

The chair enhances the university's position and excellence in the field of scientific research in renewable energies and their applications in the Kingdom and provides distinguished contributions in service to the university and society.

The message:

Providing the infrastructure and appropriate environment for university employees to enable them to actively participate in research and scientific meetings, benefit from distinguished international expertise in the field of renewable energies and contribute to preparing researchers capable of developing scientific research and providing community services.

Objectives:

The Prince Faisal bin Khalid bin Sultan Chair for Renewable Energy Studies and its Applications at Northern Border University seeks to achieve the following goals:

1. Motivating researchers to be creative and innovative to enrich society with knowledge and modern sciences and benefit from their practical applications in solving society's problems.
2. Attracting distinguished specialized scientific competencies from inside and outside the university, both local and international, to support and revitalize academic and research programs and to benefit from their expertise in supporting scientific research programs and outputs.
3. Linking the relationship and community partnership between the university and governmental and private institutions and sectors of society in everything that would support the research process at Northern Border University.
4. Linking the outputs of scientific research to the needs of society, in order to achieve sustainable development.