Center of Excellence in Environmental Studies

Kingdom of Saudi Arabia (KSA) is facing, similar to other countries, several environmental challenges that affect the health of the people in the society. This is why the environmental issues have acquired a serious consideration in the Eighth Development Plan of the Kingdom. The Kingdom has also approved the General Regulations of the Environment and the National Strategic Plan for Health and Environment. Moreover, the environmental research has gained a great portion of interest in the National Plan of Science and Technology.

The establishment of CEES at King Abdulaziz University (KAU) is considered therefore an important pillar among other scientific research pillars that deal with the numerous environmental issues in the KSA. This is due to the distinct strengths possessed by KAU in the environmental studies due to the presence of specialized faculties and centers. The establishment of CEES represents a serious invitation to all workers in the field of the environment: scholars, researchers and postgraduate students in the KSA to benefit from the scientific facilities and capabilities that CEES is providing. These include the latest technologies and laboratories, and specialized personnel who are ready to help in conducting basic scientific or applied research or develop new scientific or applied research or develop new and advance scientific ideas.

Mission

A Sustainable Environment for Sustainable Development.

Vision

Accession of CEES to the forefront position in the environmental excellent studies, researches and programs, and satisfaction of the requirements of the sustainable development on local as well as regional levels.

Objectives

- CEES should be a regional authority and a vital point of contact for studies, researches and projects in the field of environment and sustainable development.
- CEES should be a research umbrella gathering all research specializations related to environmental issues, focusing on interdisciplinary researches, transferring environmental technologies, and building suitable capabilities.
- CEES should be a nucleus for preparing research leaders in the field of environment, and a focal point for attracting local and international research experts.
- CEES should contribute in spreading knowledge in the advanced field of sustainable development.
- CEES should become a center for translation and publication of research and information in the field of environmental issues.
- CEES should reach the status of excellence in the field of sustainable environment and development.
- CEES should become a research authority for supporting environmental plans of the government.
- CEES should become a pioneer in augmenting the concept of local and international partnership in the environmental field.

Organizational structure

The CEES has the honor to receive a direct patronage from His Excellency, the President of King Abdulaziz University, Prof. Osama Bin Sadik Tayeb, and to receive a follow-up attention from the Vice President for Graduate Studies and Scientific Research, Prof. Adnan Bin Hamza M. Zahed. The KAU Higher Administration contributes in overcoming difficulties and obstacles and in solving problems that may come in the way of the Center towards achieving its desired objectives.

The administrative structure of CEES is composed of:

- Board of Directors
- Advisory Committee
- Technical Consultancy Committee
- Executive Committee
- Directorate of the Center

Research Groups, Axes and Priorities

CEES consist of three research groups as follow:

* Water Pollution   * Solid Wastes   * Air Pollution

The axes and priorities of each group have been determined and they are shown in the following tables.

Water Pollution Group

Axis	Research Priorities
Organic and inorganic pollutants in different water matrices	• Determining the most important sources of organic and inorganic pollutants in sewage and industrial wastewater media. • Detection of organic and inorganic pollutants in sewage and industrial wastewater media using innovative techniques including nano sensors. • Innovative methods to determine and evaluate organic and inorganic pollutants in sewage and industrial wastewater media. • Selecting stationary phases including nano particles to determine, separate and eliminate organic and inorganic pollutants from sewage and industrial wastewater. • Determining the suitable conditions and the affecting factors to control the elimination of organic and inorganic pollutants from sewage and industrial wastewater. • Designing, construction, testing and patenting a prototype of controlling system to eliminate organic and inorganic pollutants from sewage and industrial wastewater in the Kingdom of Saudi Arabia.

Solid Wastes Group

Axis	Research Priorities
Treatment of municipal solid wastes	• Waste types, volume and characterizations and their geographical distributions across the Kingdom of Saudi Arabia. • Creative techniques for municipal solid wastes treatment and recycling. • Using municipal wastes for industrial wastewater treatments by employing nanotechnology.

Air Pollution Group

Axis	Research Priorities
Controlling air pollutants from stationary and mobile sources	• Determining the most important sources of air pollutants and their transfer mechanism from stationary and mobile sources. • Determining the levels of air pollutants and their factors of influence using innovative techniques. • Selecting and testing the controlling methods of air pollutants. • Creative techniques to determine the optimum conditions to operate the controlling methods of air pollutant including nanotechnology. • Designing, construction, testing and patenting a prototype of controlling system suitable to the climate conditions in the Kingdom of Saudi Arabia.

For more information about CEES, please contact us on:
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