

## **Fayoum University as a "Green University" supporting Sustainable Scientific Research - A Suggested Proposal in the light of the Experiences of Wageningen and Research University (WUR) in the Netherlands and Sherbrooke University (Udes) in Canada**

### **Abstract:**

Believing in the pioneering role that universities can play in achieving the goals of the United Nations Organization for Sustainable Development; Green University appeared as one of the actions of the Rio+20 Conference and refers to universities whose practices are environmentally friendly and able to benefit from natural resources without harming the rights of future generations, and focus on reducing their environmental footprint through energy, water and material resources efficiency, and focus in particular on Reaching innovative solutions to environmental issues, including climate change, biodiversity, and sustainable transportation.

Sustainability challenges such as climate change, poverty and pandemics affect our society severely, and these challenges - which are urgent, long-term and highly complex - cannot be addressed by simple technical solutions; Accordingly, universities began to reorient their research focus to achieve a balance between basic research and applied research. Dealing with actual sustainability problems takes researchers beyond theoretical understanding and helps them develop practical competence; Accordingly, interest in scientific research based on sustainability problems has increased, which is called "sustainable scientific research"; Which takes the sustainable development goals and environmental issues as a research focus, and relies on critical and creative thinking as regular academic skills.

However, in light of the environmental challenges facing societies in general and the Egyptian society in particular, and the low ranking of Egyptian universities, especially Fayoum University, in the global green rankings of universities, and the challenges that scientific research suffers from that prevent it from adopting societal issues effectively; Egyptian universities have a major role to play in facing these challenges through scientific research aimed at solving environmental and societal issues. Accordingly, the aim of the current research - using the comparative approach - is to identify what green universities are and their role in supporting sustainable scientific research as a conceptual framework, followed by addressing the role of Wageningen Universities and WUR Green Research in the Netherlands and Sherbrooke Green UdeS in Canada in supporting sustainable scientific research in the light of some influencing societal forces and factors, with Highlighting the most important similarities

and differences between them, and presenting the most important efforts of Egyptian universities in moving towards sustainability and adopting the concept of a green university that supports sustainable scientific research with reference to Fayoum University, which is a prelude to presenting a proposed vision for Fayoum University as a green university that supports sustainable scientific research after it was presented to a group of arbitrators Education professors from different universities.

**Keywords:** The Green University, Sustainable Scientific Research, Canada, the Netherlands.