

GRANT 2 ANNOUNCEMENT

JMCER GRANT on: The Integration of Solar Systems and Irrigation Systems in Wells Engineering

Grant Number: JMCER-GN-SOLAR002

Research Field: Power Electronics/ Electrical Engineering/ Agriculture/ Geology

Application Deadline: 10/1/2023

Grant Period: 6 months

Contact Email: grants@jmcer.org

Mobile Number: +964 780 6655710

The Journal of Modern Computing and Engineering Research (JMCER) that is sponsored by Qaf Lab is pleased to announce a research grant to be exclusively used for conducting extensive research in solar systems and irrigation systems models for wells engineering. Researchers in power electronics, electrical engineering, computer engineering, computer science, agriculture, geology, and related disciplines are welcome to apply for this grant. The grant fund should be used considering the budget included in your proposal.

Description:

Nowadays, the world has struggled with water resources due to the desertification phenomenon. As a result, people started using wells for a variety of purposes (e.g., popularly, irrigation). Moreover, in Iraq, the lack of energy has become an issue due to the unstable infrastructure of the power grid. Therefore, green energy (e.g., solar energy) is considered one of the best solutions that provide a sustainable solution for life issues. This grant is dedicated to investigating the integration of solar systems and irrigation systems as a standalone sustainable model. The aim is to attract the most feasible models to be mainly used in irrigation systems. The grant also is supposed to be awarded to an applicable proposal that fits the environmental nature in Iraq. A successful proposal should provide a full description of an integrated system that uses solar energy to irrigate agricultural lands aiming at having strategical corps. Furthermore, the proposal should consider tools that are available in the local market and uses smart energy control for energy consumption.

Eligibility Criteria:

- Experience in solar systems and irrigation systems.
- Strong background in wells structure, terms, features, types, etc.
- Strong academic skills and ability to publish the outcomes in the JM CER journal.
- We encourage motivated postgraduate students (male/female) and people with special needs to apply for this grant.
- Strong reading, listening, and writing skills in English and Arabic.
- The academic reputation of the applicants who submit the proposal.

Responsibilities:

- Provide weekly progress reports.
- Expect to present the progress of the work at least once a month.
- Managing the grant according to the proposal submitted.

Your submission:

Please, write your proposal according to the following structure:

- The front page should include the title of the proposal and the names of the research team (if any) the next page should include the biography of the team including a brief description of each member with links to their profiles (if any) on Google Scholar/ LinkedIn/ResearchGate/Publons/ etc.
- The rest of the document should include the following sections:
 - o Research Title
 - o Summary of the proposal
 - o Research Method
 - o Contribution: What is the main contribution that differentiates your work from others?
 - o Expected Results (if any)

- **Timetable:** it includes the schedule of each step of the work. This should take no longer than 6 months.
- **Detailed Budget:** please describe each item you need to perform the research including the tools required
- **Work Environment:** you should describe the workplace that you will utilize (e.g., lab, home, or another place).
- **Negotiable part:** this section includes the parts of your proposal's budget that are negotiable.

The document should end with the name and signature of the researcher or the head of the research team.

Applications can be submitted to (grants@jmcer.org) by (10/1/2023).