



Editorial – Volume 1 N°2 of the Algerian Journal of Electrical Systems and Sustainability (AJESS)

We are pleased to present **Volume 1, Issue 2 (2025)** of the *Algerian Journal of Electrical Systems and Sustainability (AJESS)*. Following the successful launch of our inaugural issue, this second edition further reinforces the journal's mission to serve as a dedicated platform for disseminating high-quality research in the fields of electrical engineering, renewable energy systems, smart technologies, and sustainability.

This issue brings together five original contributions that reflect the growing dynamism of research and innovation in Algeria and beyond. The published papers address timely and impactful topics, ranging from assistive smart systems for hearing-impaired users, to the development and future prospects of solar photovoltaic energy in Algeria. Advances in photovoltaic optimization techniques, including improved MPPT algorithms, are also highlighted, demonstrating ongoing efforts to enhance renewable energy efficiency.

In addition, this issue explores broader perspectives on industrial systems implementation in Algeria, as well as emerging challenges related to cybersecurity in modern energy infrastructures through AI-driven detection and mitigation approaches. Collectively, these works illustrate the interdisciplinary nature of sustainability and the essential role of electrical systems in supporting national and global energy transitions.

All manuscripts published in this issue have undergone a rigorous peer-review process, followed by careful editing, proofreading, and formatting to ensure clarity, consistency, and academic quality. Furthermore, plagiarism screening was systematically applied in accordance with international standards of publication ethics. We express our sincere gratitude to the reviewers for their valuable time, expertise, and constructive feedback, which greatly contributed to the scientific quality of this issue.

As AJESS continues to grow, we warmly welcome submissions from researchers in Algeria, and the international scientific community. Our ambition is to foster a journal that encourages innovation, collaboration, and meaningful contributions toward sustainable development.

We hope you find this issue both informative and inspiring.

Warm regards,

Prof. Djamilia Rekioua

Editor-in-Chief, *AJESS*