

Editorial

The European Journal of Microwave Energy

EJME is a new journal that showcases major developments from fundamental and applied work using energy in the microwave spectrum. It is run by researchers in the RF and microwave field and one of its key missions is to maintain the health of the scientific community and publishing in this area. EJME celebrates breakthroughs at microwave frequencies in all areas of scientific discovery. The journal focuses upon challenging questions and advances in science and engineering using RF and microwave energy and is highly interdisciplinary, bringing together the fields of chemistry, materials science, physics, engineering and the medical and biological sciences.

There have long been discussions in the AMPERE community (Association of Microwave Power in Europe) about creating a platform from which we can showcase the very best work in our field. Our global community, whilst broad in scope, has a unique identity that is characterised by interdisciplinary innovation and boundary-crossing research. EJME fills a gap, but importantly also complements the activities of our sister organisations within the MAJIC* confederation, with whom AMPERE works to carry out our stated mission: to promote RF and microwave heating techniques for research and industrial applications. The EJME editorial board will be working closely with our global family of research associations to promote our respective journals.

EJME is a grass-roots, diamond open-access journal. It has a free-in, free-out model that provides the opportunity to publish high quality research free of charge and makes it available for all to read at no cost. It is published by Cardiff University Press (CardiffUP), who provide a well-established support network, giving a fertile environment for the growth of our fledgling publication.

In this inaugural issue, a small number of the very best papers (top 5%) as determined by reviewers and the editorial board have been published. From these humble beginnings, the journal will publish a review issue in the following year, featuring reviews from senior figures in the field in key areas of microwave energy applications. The third issue will be published following AMPERE in late 2025.

It is expected that in the second phase of EJME's growth - from 2025 - more high-quality papers from our field will be published. The strength of the editorial board, bringing together the brightest investigators from around the world will give EJME a stellar start; and the lively and engaged community of AMPERE have made the success of this launch inevitable.

We are fortunate that within our global family of national microwave associations (MAJIC*) we have a critical mass of supporters who are concerned with scientific excellence and the health of the scientific community. Scientific publishing is highly competitive, with large publishers consuming smaller publications, and overshadowing subject-specific scientific excellence in favour of 'bankable' reporting metrics. The advent of DORA has in some respects led to an improvement in publishing practices and EJME aims to represent the interests of science and the scientific community by promoting excellence in innovation and research as a not for profit, free to publish and free to read endeavour.

Planning for the first phase of EJME development (i.e. two years) of the EJME journal is centred around growth and quality, with a focus upon serving the AMPERE community. This means that the journal will be given a good platform, with promotion planned at events around the world. Together we can build on the reputation for excellence fostered within AMPERE to produce a flagship journal that we can all take ownership of, giving our research community direct control over quality, standards and the general health of publishing in the field. On behalf of the EJME editorial board, thank you for your continued support.



Daniel Slocombe
Editor-in-Chief

**MAJIC is the International Federation of Associations in the Field of Microwave and RF Power Engineering. These associations are: Microwave Working Group (MWG, USA); Association for Microwave Power in Europe (AMPERE, Europe); Japan Society of Electromagnetic Wave Applications (JEMEA, Japan); International Microwave Power Institute (IMPI, USA), China Association of Microwave Power Applications (CAMPAA).*