

## ***The European Journal of Microwave Energy is born***

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Editorial Board of the European Journal of Microwave Energy  
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The European Journal of Microwave Energy (EJME) is a new journal from the AMPERE community that will showcase 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.



EUROPEAN JOURNAL OF  
**MICROWAVE  
ENERGY**

Logo of EJME

AMPERE 2023 saw a triumphant return to in-person events for the AMPERE organisation after the very successful virtual conference organised by RISE in Gothenburg in 2021, with over 170 attendees from more than 25 different countries descending on Cardiff in the UK for a week of fascinating and wide-ranging talks, workshops and courses. We were treated to a range of excellent presentations in plasma processing, biomass and waste processing, chemistry/biochemistry applications, design of applicators and components and industrial scale up, modelling, measurements and metrology, food processing and biological applications.

Cardiff is the capital city of Wales and is home to Cardiff University. It has a rich cultural heritage that we were delighted to share. The social

programme started with a drinks reception at the Centre for Student Life, followed by an event at the historic Coal Exchange, including an astonishing and very moving performance by the Welsh National Opera (<https://wno.org.uk/>, please do visit them and support them if you have the chance!), and finally by our gala dinner in the beautiful surroundings of the National Museum of Wales (<https://museum.wales/cardiff>). The proceedings and photos from the conference are available on the AMPERE2023 website ([www.ampere2023.com](http://www.ampere2023.com)).

AMPERE 2023 also marked the launch of the much-anticipated new journal from AMPERE: ‘*The European Journal of Microwave Energy*’ (EJME). There have long been discussions in the AMPERE community 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 underwritten by Cardiff University Press (CUP), whose investment demonstrates a strong belief in the future of RF and microwave technologies. CUP also have a well-established support network and indexing strategy which provides a fertile environment for the growth of our fledgling publication. Now that the EJME website has been commissioned, the review process for the

first batch of EJME papers is now almost complete, ready for the publication of the inaugural issue.

In the inaugural issue, a small number of the very best papers (top 7%) as determined by reviewers and the editorial board are being published. From these humble beginnings, ahead of the next AMPERE conference in 2025, the journal will publish a review issue, featuring reviews from senior figures in the field in key areas of microwave energy applications. If you are interested in proposing a review for this forthcoming issue, please get in touch with any of the editorial board members. 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 for its first two years, 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 and contributions.

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\*MAJIC (Microwave Working Group, AMPERE, JEMEA, IMPI, CAMPA)

\*\*The Declaration on Research Assessment (DORA) recognizes the need to improve the ways in which researchers and outputs of scholarly research are evaluated.