

Davidge Award

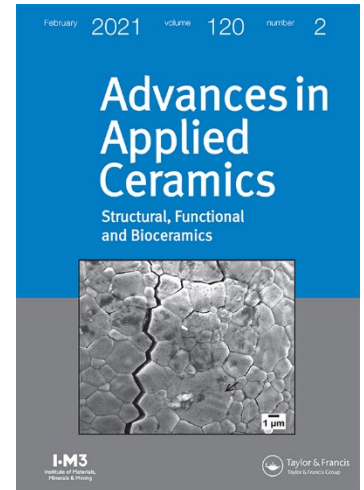
Advances in Applied Ceramics

About the prize

The Davidge Award is an annual prize for the best literature review by a PhD student on an innovative topic in ceramics. All entries that are accepted after peer review will be published in the journal. The winning entry will receive a £500 prize, a certificate and their paper will be made free to access for the following year.

The award is run and judged by the Editors of *Advances in Applied Ceramics: Structural, Functional and Bioceramics (AAC)*, the specialist ceramics journal of the Institute of Materials, Minerals and Mining (IOM3), and is open to current PhD students studying for a materials science and engineering related qualification at any academic institution worldwide. The submission should be submitted during the PhD or within one year of completion.

The Award commemorates the distinguished contributions to the science and application of ceramics made by the late Roger Davidge (1936–97). During a career spent largely at AERE Harwell during the laboratory's heyday, and also at Leeds and Oxford universities. He pioneered the introduction of fracture mechanics concepts to ceramics. His research in areas that included fracture, toughness, fatigue, thermal shock and the statistics of mechanical fracture made an outstanding contribution to knowledge on these subjects.



Submission Instructions

The deadline for the award is the 1st September of the year of the award. Entries made after this deadline will be considered for the following year.

Entries must be in English and review a topic relevant to current research in ceramics science and engineering. The judges will assess both the technical content (justification for the review; coverage and interpretation of the literature) and style (use of English and structure) of each review.

For full instructions on your submitting your review please read our 'Davidge Award Guidelines' which can be found below.

The maximum length of reviews is 7000 words, and the scope must be carefully considered in view of this restriction. Focused reviews of novel or developing areas are preferable to broader reviews of areas covered by existing reviews or monographs.

A literature review is not the same as a thesis introduction. The review must be self-contained and critical (i.e. it should comment on and interpret the literature) and must not refer to unpublished work. Basic theory and established knowledge should be covered briefly, with references to existing reviews and textbooks. The review should focus on unresolved questions and conclude by identifying areas where further work is required to advance the field.

Credit will be given for the effective use of illustrations to convey key concepts and to compare and synthesize data from different sources.

The judges' decision is final and absolute in all respects. Publication in AAC may be subject to the completion of revisions recommended by the judges or specialist reviewers. Once a review has been accepted, it is the candidate's responsibility to obtain any necessary permission to reproduce figures or other material for which he or she does not hold copyright.

Davidge Award: Guidance notes for candidates

The submitted manuscript should provide a concise, critical review of the literature on the chosen topic. Maximum permitted length is **7000 words** (excluding contents page, references and tables); the review may contain up to 20 selected illustrations. An abstract of about 300 words, summarising the scope and conclusions, must be included and any acknowledgements should be collected at the end of the review.

In particular, candidates should note the judges will be guided by the following:

- This is a **materials** review award and submissions must emphasise the materials aspects of the topic, i.e. materials properties and/or structure and/or processing and their interrelationship.
- The review should convey the current position accurately to materials scientists or engineers who are not specialists in the particular field, but who may be interested in it.
- It is **essential** to take account of previous important reviews or monographs and use them as a starting point (avoiding unnecessary repetition), although reviews may, where applicable, note the existence of classic papers in the field that are now less widely known. Reference to unpublished work is strongly discouraged.
- The review must be **self-contained** and not require reference to the thesis from which it may have been derived. Basic theory should be dealt with briefly, with reference to appropriate work or textbooks.
- The review must be **critical**. It must interpret the literature covered, and should seek to identify areas where further work is required to advance the field.
- The accompanying bibliography should be comprehensive in coverage, but selective rather than exhaustive.
- Candidates should be aware of the value of illustrations in conveying concisely key concepts.

The reviews will be judged on: coverage; balance and critical analysis/discussion; choice and use of illustrations; and style, i.e. use of English and presentation. The decision of the panel of judges appointed by the Editorial Panel of *Advances in Applied Ceramics*, which may be guided by referees' comments, is final. In cases where a review is accepted for publication in *Advances in Applied Ceramics* or another IOM3 journal, referees may stipulate alterations to be made prior to final acceptance. It is the candidate's responsibility to obtain any necessary permission to reproduce figures or other material for which he or she does not hold copyright.

Submissions should be submitted through our peer review system which can be accessed by clicking the 'Submit your article' button on the journal homepage: <https://www.tandfonline.com/toc/yaac20/current>. Please select 'YES' when asked if your manuscript is for a special issue, and then select the 'Davidge award' option. Please also write [Davidge Award (YEAR OF ENTRY)] at the end of your review title when submitting. The manuscript should be accompanied by a declaration that the review is the candidate's own work and that any assistance received has been fully acknowledged.

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