



**International Council
for Research and Innovation
in Building and Construction**



CALL FOR PAPERS – Deadline: 31st March 2024

BEPAM – an Emerald Journal Recognised by CIB, Australian Business Deans Council & others
Also **Indexed in SCOPUS, EBSCO, INSPEC, and ESCI**
(‘Emerging Sources Citation Index’ available in ‘Web of Science’)

SPECIAL ISSUE of Built Environment Project and Asset Management (BEPAM)



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**Built Environment
Project and Asset
Management**



Creating Capacity and Capability of Net Zero Carbon Practices in the Construction Sector

Background and Rationale

Decarbonisation in the construction sector is a relatively new concept that gained substantial global attention after 196 nations signed the Paris Agreement in 2015. The construction industry is identified as a major emitter of carbon in many countries and thus, it should play a significant role in achieving global zero-carbon targets. Over the years, researchers around the globe have explored numerous ways of reducing carbon emissions in the construction industry. However, not many publications have focused on consolidating cutting-edge research on net-zero carbon building design and construction practices throughout the lifecycle of construction projects, which constitutes the primary aim of this special issue. Hence, this special issue will centre on the exploration of research and practices of net-zero carbon building design and construction throughout the building lifecycle. It will

delve into the potential impacts, challenges and opportunities, along with specific barriers and enablers associated with the implementation of these practices.

The papers published in this special issue are expected to explore and delve deeper into emerging theories and practices, test new hypotheses, and foster further advancements in both theory and practice on this theme. By examining innovative design and construction techniques, the contributors to this issue can offer crucial insights into achieving a carbon-neutral construction industry across the entire lifecycle. The articles in this special issue will provide a platform for disseminating both theoretical frameworks and practical applications related to creating and developing capacity and capability of net-zero carbon practices in the construction industry worldwide, thereby amplifying their visibility, reach and impact.



Special Issue Aim

This special issue aims at compiling knowledge on net zero carbon design and construction practices required to create capacity and capability towards industry net zero carbon targets. It is expected to achieve the above aim through the following objectives:

- Identifying, integrating and sharing knowledge on net-zero carbon design and construction practices within the construction industry.
- Investigating challenges and opportunities related to accomplishing net-zero carbon targets in the construction industry.
- Exploring and analysing cutting-edge research and best practices, while discerning potential short-term, mid-term and long-term impacts and implications for the built environment, from the adoption and implementation of zero-carbon practices in the construction industry.

Anticipated Themes

The following is an indicative, hence a non-exhaustive, list of anticipated themes that could be explored in different papers in this Special Issue:

1. Innovative building materials and their applications
2. Net-zero energy buildings and renewable energy integration in design and construction
3. Application of circular economy concept in design and construction
4. Embodied carbon reduction in design and construction
5. Waste minimisation and management in construction
6. Digital technologies for carbon reduction in design and construction
7. Collaboration and stakeholder engagement for carbon reduction in construction
8. Resilient and adaptive designs for carbon reduction in construction
9. Capacity building for net-zero carbon design and construction
10. Financial and business aspects of net-zero carbon design and construction

We also welcome submissions on any related topics in the context of the above sub-themes.

Submission Guidelines

Submissions to BEPAM should be through ScholarOne Manuscripts.

Registration and access are available at:

<https://mc.manuscriptcentral.com/bepam>

Author guidelines must be strictly followed. Please see:

https://www.emeraldgroupublishing.com/products/journals/author_guidelines.htm?id=bepam

The total wordcount limit is **8,500 words**, as for all new BEPAM submissions. Please also see and comply strictly with the author guidelines for the computation method, including the need to **add: (a) the total wordcount of all Tables and Figures (with each Table or Figure counted as 280 words), to (b) the wordcount of all text including the Abstract, References and any Appendices (if the latter is in text); and ensure the Grand Total [of (a) and (b)] is within the strict 8,500 limit.**

Submitted articles must not have been previously published, nor should they be under consideration for publication anywhere else, while under review for this journal.

Interested authors should **select** (from the drop-down menu) the special issue “**Creating capacity and capability of net zero carbon practices in the construction sector**” at the appropriate step in the submission process, i.e., in response to “Please select the issue you are submitting to”.

Deadline

Papers for this special issue should be submitted through the above portal (that will be available from 01 December 2023): **on or before 31 March 2024 (Deadline).**

The above is a strict deadline and any new submissions received after the deadline cannot be considered for this Special Issue.

Those who may have suitable papers ready for submission before 01 December 2023 may contact us, for any possible early access.

Following the submission and initial screening of the manuscripts, those judged suitable for the special



issue will be sent to at least two independent referees for double blind peer review, after which submissions may be recommended for revisions and further review, acceptance or rejection.

Journal

BEPAM is an internationally established Emerald journal; and is one of the three CIB recognised journals. It is also recognised by other prominent bodies such as the Australian Business Deans Council and indexed in renowned databases such as SCOPUS, EBSCO, INSPEC as well as in ESCI (Emerging Sources Citation Index) of Clarivate Analytics (previously of Thomson Reuters) in “Web of Science”.

For further information on the journal, please visit the BEPAM website [here](#),

We look forward to your submissions.

Reminder: Full paper submissions are welcome through this specific BEPAM Special Issue submission Portal, BUT we regret that any new submissions after the deadline of 31st March 2024 cannot be considered.

Any inquiries should be emailed to the Guest Editors mentioned below:

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