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ARTICLE INFORMATION

Article Title

[The article Title must include the word ‘data’ or ‘dataset’. Please avoid acronyms and abbreviations where possible, and ensure that the article title differs from the title used in the data repository. If your data article supports an original research article, the title should differ from the title used in the research paper.]

A.B. Author^{1*}, C.D. Author², and E.F. Author³

[Please list all authors (first name(s) - last name) and mark the corresponding author with *].

Affiliations

[Please include the full postal address of each author’s institution, If available, include the 16-digit ORCID of the author (s).]

Corresponding author’s email address

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Keywords:

[Include 4-6 keywords, separated by semi-colons. Please do not repeat words used in your title].

Abstract

[The abstract should be 150-200 words maximum with the data collection process and the data set in the case of data articles and its reuse potential. It should not provide conclusions or interpretations.].

Specifications Table

[This table provides general information on your dataset. Every section of the table is mandatory. Please enter information in the right-hand column and remove all the instructions in blue and italic print.]

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Subject	[Please select a subject area from the list available at RDR categories]
Specific subject area	[Briefly describe the specific subject area. Max 150 characters (without spaces)].
Type of data	[Please list your type(s) of data and data formats. Delete any description from the lists that does not apply. If your data type is not featured, please manually add it]. Table, Image, Chart, Graph, Figure etc. Raw, Analyzed, Filtered, Processed etc.
Data Collection	[Briefly describe how the data were collected. Please provide the details about the instruments used (eg., microscope, mass spectrometry etc.) as well as the methods used for collecting the data or inclusion/exclusion criteria. You may also describe how the data were normalized. If it is a questionnaire based study, submit a copy of the questionnaire/survey in English to your data repository]. Maximum 600 characters without spaces.
Data source location	[Please mention where the data were collected (eg., Geographical coordinates) or where the data are stored (typically your affiliation)].
Data accessibility	[Please note: All raw data referred to in this article must be made publicly available in a data repository prior to publication. Please indicate here where your data are hosted (the URL must be working at the time of submission and editors and reviewers must have anonymous access to the repository):] Repository name: ... Data identification number: (or DOI or persistent identifier)

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	Direct URL to data: ... Instructions for accessing these data: ...
Related research article	[If your manuscript supports a related research article, please cite this article here. If your manuscript is not related to a research article, please state 'none'. You should list only one article here. Please upload a copy of your related research article to your submission].

1 Value of the Data

[This section states why these data are of value to the scientific community and how can these data be reused by other researchers. Please provide 3-6 bullet points with each bullet point of maximum 150 words.]...

2 Background

[Please describe your original motivation and context behind compiling this dataset. For example, briefly include information on the theoretical or methodological background. Do not make concluding, interpretive, or otherwise inferential statements about the dataset. In case your data article is related to an original research article, please describe how the data article adds value to the published article (Max. 200 words).]

3 Data Description

[This section describes your dataset. Refer to all the data folders, subfolders, and files in the repository individually, irrespective of whether they relate to raw or analyzed data, and make sure that the reader can follow the structure of your dataset.

Please use visual aids (such as tables, graphs, or figures with captions) to familiarize the reader with your dataset, but **do not offer background, interpretations, or conclusions**].

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For example, include all code (files) and software used for data analysis or data generation, and describe tools, instruments, and experimental conditions].

4 Experimental Design, Materials and Methods

[This section describes how you acquired the data or conducted the study. Is your methodology innovative or have you substantially added to an existing research design? Provide a complete description of the experimental design, materials and methods used to acquire the data. For example, include all code (files) and software used for generation of data and analysis, and describe tools, instruments, and experimental conditions. For questionnaire or survey studies, please indicate the sources from where the questionnaire items have been derived/adapted and indicate the degree of adaptation. It is important that this section is as comprehensive as possible. There is no character limit, and you may use illustrative figures or tables. Please do not offer background, interpretations, or conclusions.

5 Limitations

[This section is applicable to data articles. Describe any limitations related to the data described in this data article. These could be any problems you faced during data collection or curation, limited quality or size of dataset, data biases, etc., but should not include limitations of analysis conducted or interpretation (Max. 200 words). If there are none, please write ‘None’ or ‘Not applicable’.]

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[In the case of data articles, Research Data and Report’s [Guide for authors](#) contains detailed information on the ethical guidelines with which all authors must comply. In addition, we ask you to complete the relevant statement(s) below.

If your work involved human subjects, a copy of the consent form (in English) can be submitted either in a data repository or under the section ‘Consent form’ while submitting the manuscript to the system.

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If your work involved animal experiments, please include a statement here confirming that those experiments are in confirmation with the particular country's act for conducting animal experiments.

If your work involved data collected from social media platforms, please include a statement here confirming that a) informed consent was obtained from participants or that participant data has been fully anonymized, and b) the platform(s)' data redistribution policies were complied with.

If none of the above, please include a statement confirming that the authors have read and follow the ethical requirements for publication in Research Data and Reports and confirming that the current work does not involve human subjects, animal experiments, or any data collected from social media platforms.]

CRediT Author Statement

[Please outline the contributions of each co-author in terms of conceptualization, methodology, software, validation, formal analysis, investigation, resources, data curation, writing-original draft, Writing-Review and editing, data presentation, leading of the project and funding acquisition.]

Acknowledgements

[In this section, include any funding sources with project No. and mention all contributors who do not meet the criteria for authorship. If no funding has been provided for the research, please include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.]

Declaration of Competing Interests

[Please include an appropriate statement mentioning about the competing interests of the author and co-authors].

References

[In this section, please provide a numbered list of all cited references. Please format all in-text citations by number(s) in square brackets in line with the text. Please refer to [Guide for authors](#) for more details.

If your data article supports an original research article, please cite the associated article here; ideally, it should be the first citation. Please also make sure to cite your dataset in the data repository.]

Journal Article

[1] Agullo L, Carbonari BT, Gettu R, Aguado A (1999) Fluidity of cement pastes with mineral admixtures and superplasticizer—A study based on the Marsh cone test. *J Mater Struct* 32:479–485

[2] Jayasree C, Santhanam M, and Gettu R (2011b) Cement-Superplasticizer Compatibility-Issues and Challenges. *Indian Concr. J.* 85 (7): 48–60

Article by DOI

[3] Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *J Mol Med.* <https://doi.org/10.1007/s001090000086>

Book

[4] Arıtecin (1998) High performance concrete. E&FN Spon, London

[5] Data Sets

References for data sets should include author name, year of publication, titles (followed by edition or version number), publisher or distributor, access date, and electronic identifier (DOI or URL).

Conference Proceeding

[6] Jayasree C, Gettu R (2006) Influence of mixing method on the fluidity of superplasticized cement paste. Fifth Asian Symposium on Polymers in Concrete, Chennai, India, pp 665–670

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Dissertation

[7] Jayasree C (2009) Study of cement–superplasticizer interaction and its implications for concrete performance. Doctoral thesis, Indian Institute of Technology Madras, India.]

[8] Website

[The following should be included: author’s name or owner of the website (if known); year of publication or last revision (if available; use “n.d.” if no date is available); full title of the specific page; title of website (if applicable); the date of access, and the full web address.]

Tables and Figures

[Insert figures and tables in the centre, and immediately after they are cited in the text. Figure captions should be centred below the figures and table headings should be centred above the tables. Figure captions begin with the term Fig. in bold type, followed by the figure number, also in bold type. Figure captions and table headings should clearly explain the figure/table without needing to refer to the text and should be typed in 10-point Times New Roman font. Figures and tables that have not been mentioned in the text should not be presented. All figures and tables should be numbered in order of appearance in the text.]