

Title of Manuscript (Book Antiqua, Bold, 12 pt)

Full Name^{1a}, Full Name of Author^{2a}, Full Name of Author^{3b,c} (10pt)

¹ Affiliation, Country (9pt)

² Affiliation, Country

Abstract. Abstract with no more than 250 words should be supplied to reflect the content of the paper. A concise and factual abstract is required. The abstract should state briefly the context of the problem (background), purpose/aim of the research, the principal methods, the results and major conclusion (contribution). An abstract is often presented separately from the article, so it must be stand-alone. For this reason, References/citations should be avoided. Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords: Provide keywords, at least 5 words and sequence by initial word (8 pt)

1. Introduction

Body of Manuscript, typed in Times New Roman font, size 11 pt, single spaced, A4 paper size (mirrored margin) and single column. The number of pages is between 6-10 pages.

2. Method

2.1 Figure

Figure must be clear and high resolution with min 300 dpi. All illustrations should be clearly displayed by leaving at least a single line of spacing above and below them. When placing a figure at the top of a page, the top of the figure should be at the same level as the first text line of the other column. Legends to illustrations should be centered if on one line or aligned left if on two or more lines and should be 8 pt.

Photographs must always be sharp originals (not screened versions) and rich in contrast. A copy or scan of the photograph should be pasted on the page and the original photograph (labelled) should accompany your paper. All notations and lettering should be no less than 2 mm high. The use of heavy black, bold lettering should be avoided as this will look unpleasantly dark when printed

2.2 Table

Tables should have a title that makes the general meaning understandable without reference to the text. Tables should be presented in the form shown in Table 1, with all text, including title 8 pt. Their layout should be consistent throughout.

Horizontal lines should be placed above and below table headings, above the subheadings and at the end of the table above any notes. Vertical lines should be avoided. If a Table is too long to fit onto one page, the table number and headings should be repeated on the next page before the table is continued.

Table 1. Provide the caption of your legend (Times New Roman, 11pt)

No.	Type		Results	Reference
	Type 1	Type 2		
1	0.076	0.075	0.5%	
2	0.056	0.055	0.6%	

Equations should be placed flush-left with the text margin and should be preceded and followed by one line of white.

$$\theta_{cr,i} = \frac{0.3}{1+1.2d_{*,i}} + 0.055 \left[1 - \exp \exp \left(- 0.02d_{*,i} \right) \right]$$

3. Results and Discussion

Results should be clear and concise. Show only the most significant or main findings of the research. Discussion must explore the significance of the results of the work. Adequate discussion or comparison of the current results to the previous similar published articles should be provided to show the positioning of the present research (if available).

4. Conclusion

The main conclusion of the study may be presented in a short Conclusions section, which may stand-alone. It should not repeat the Results, instead provide significant findings and contribution to the study.

Acknowledgements (optional)

Provide acknowledgements accordingly. List here those individuals or institutions who give help, assistance during the research (e.g., providing grants, laboratory facility, writing assistance or proofreading the article, etc.). In the case of the grants, please provide the number and year of the grant received.

References

References style must be written with Harvard format by manager references (endnote, mendeley, zotero, and etc)

Alemi, M. and Maia, R. (2016) 'Numerical Simulation of the Flow and Local Scour Process around Single and Complex Bridge Piers', *International Journal of Civil Engineering*, 16(5), pp. 475–487. Available at: <https://doi.org/10.1007/s40999-016-0137-8>.

Ghaderi, A. and Abbasi, S. (2019) 'CFD simulation of local scouring around airfoil-shaped bridge piers with and without collar', *Sadhana - Academy Proceedings in Engineering Sciences*, 44(10), p. 216. Available at: <https://doi.org/10.1007/s12046-019-1196-8>.

Jalal, H.K. and Hassan, W.H. (2020) 'Three-dimensional numerical simulation of local scour around circular bridge pier using Flow-3D software', *IOP Conference Series: Materials Science and Engineering*, 745(1). Available at: <https://doi.org/10.1088/1757-899X/745/1/012150>.

Khosronejad, A., Kang, S. and Sotiropoulos, F. (2012) 'Experimental and computational investigation of local scour around bridge piers', *Advances in Water Resources*, 37, pp. 73–85. Available at: <https://doi.org/10.1016/j.advwatres.2011.09.013>.

Omara, H. and Tawfik, A. (2018) 'Numerical study of local scour around bridge piers', *IOP Conf. Series: Earth and Environmental Science*, 151. Available at: <https://doi.org/10.1088/1755-1315/151/1/012013>.

Zhang, Q., Zhou, X.L. and Wang, J.H. (2017) 'Numerical investigation of local scour around three adjacent piles with different arrangements under current', *Ocean Engineering*, 142(July), pp. 625–638. Available at: <https://doi.org/10.1016/j.oceaneng.2017.07.045>.