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# **Abstract.** Authors are encouraged to download a template of Vietnam Journal of Science and Technology (VJST) at <http://vjs.ac.vn/files/journals/2/VJST-Template.zip> to refer for paper preparation before submission to the journal. Manuscripts should generally be arranged in the following order: title page, abstract, introduction, materials and methods, results and discussion, conclusion, acknowledgements and references. (Papers in the technological fields may follow rules different from the above but must remain logical). The concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. Also, non-standard or uncommon abbreviations or reference must be avoided. It should be one paragraph of 100-250 words. The main body of the article including abstract, introduction, results and discussion, conclusion and references must be in Times New Roman, 11 pt, sentence case and justify (Ctrl + J).

*Keywords:* three-to-five keywords (separated by comma) that best describe the paper are recommendable, *e.g.*: Graphene oxide, tungsten oxide nanobricks, *Garcinia hanburyi*, cytotoxicity.

*Classification numbers*: choose 2-3 code numbers (available in VJST website) of the VJST subject classification to add; *e.g*.: 2.4.2, 2.4.4, 5.2.1.

1. Introduction (11 pt, capital bold face, centered)

The introduction should follow the key words and should be as brief as possible; it should concern itself with a clear justification for the work undertaken and the underlying theory and hypothesis; a short review of literature in the field of study is obligatory although any exhaustive review properly belongs to the discussion section. Citation of references is realized via using their numbers in the reference list, *e.g.* [1] or [1-3]. First citations of references have to follow the sequence of natural numbers. In particular, one paragraph must not contain only one sentence.

2. MATERIALS AND METHODS (12 pt, capital bold face, centered)

This section describes concisely the detail methodology/procedures employed so that anyone wishing to replicate the trial can do so and obtain comparable results. Provide sufficient detail so as to remove any possible ambiguities with respect to design, treatments, measurements, analysis, etc. Where methods employed are commonly known in a given field details should be omitted and the reference given instead. Modifications to known methodology must however be clearly described and explained. One paragraph must not contain only one sentence.

2.1. Materials (12 pt bold face, left alignment)

Provide details on chemicals and materials used (source, purity grade, treatment),

2.2. Methods (12 pt bold face, left alignment)

Describe measurements, analysis methods used (equipment, specimen preparation, measurements conditions, data analysis).

2.3. Theoretical background (12 pt bold face, left alignment)

Mathematical symbols and formulas should be typed clearly, all equations must be numbered consecutively on the right-hand side of each equation.

*e.g.:*

 (1)

3. Results and Discussion (12 pt, capital bold face, centered)

This section describes clearly the observations made and their concise interpretation. Results should be presented in tables and/or figures whenever possible, and should be clearly explained in the text. Be aware of inserting them close to the point of their discussion, and not dividing each of them onto different pages. One paragraph must not contain only one sentence.

*Figures and illustrations:* Provide no alive data, neither copied graph from any printed source. Graphs on different figures should be drawn with similar drawing tool to keep similar style and size of labelling text. Measured quantities names and their units should be presented on the graph axes. The size of label and illustration should match to the paper text size.

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**3.1. Measurement results obtained by method 1 (12 pt bold face, left alignment)**

*Images:* should accompany scale and insert in line with text.

Images should be recorded with pixel resolution of smallest of possible to make sure the total manuscript file not to be too heavy for upload/download purpose.

*Figure 1.* Image of …..

**3.2. Measurement results obtained by method 2 (11 pt bold face, left alignment)**

*Figure 2.* Dependences of measured quantity Q2 on condition p1 for various specimens.

**3.3. Discussion on characteristics C1 (11 pt bold face, left alignment)**

Analyzed data are presented in tables and figures with taking care to avoid unnecessary repetition of tabular data. Information presented in tables should not be repeated in figures, or vice versa. Standard deviations/errors help the reader to follow the trend of results and should be supplied whenever appropriate.

*3.3.1. Specific behavior of C1 property (11 pt, italic, spacing before and after 12 pt, left alignment)*

*Table 1.* Steel compositions (wt.%) characterized by optical emission spectroscopy.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Specimen | Chemical elements (wt.%) | | | | | | |
| C | Mn | Si | S | P | Ni | Fe |
| Steel | 0.26 | 0.43 | 0.11 | 0.01 | 0.02 | < 0.01 | Bal. |

*Figure 3.* Proposed scheme for……………………

*3.3.2. Comparison of observed property C1 with reported literature and/or theory (11 pt, italic, spacing before and after 12 pt, left alignment)*

The discussion should include references to earlier (*e.g*. [2-5]) or contemporary literature (*e.g*. [4]) relevant to the topic studied; this way, a reviewer can decide on the merits of the manuscript.

4. Conclusions (12 pt, capital bold face, centered)

The conclusions summarize the most important results of the research works. Authors are requested not to include reference citation in the conclusion section.

**Acknowledgements.** This section devotes to acknowledge the supports by agency and/or individual, and statement about any conflict of interest. e.g.: The research funding from Basic Science Research Program through the National Research Foundation of Korea (NRF) (Grant number: 2010-0008860) was acknowledged.

***CRediT authorship contribution statement.*** Author 1: Methodology, Investigation, Funding acquisition. Author 2: Formal analysis. Author 3: Formal analysis, Supervision. Author 4: Formal analysis. Casen Panaitescu: Supervision. etc.

***Declaration of competing interest.*** The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

References

(References with more than 10 authors should list the first 10 authors, followed by “et al.”; otherwise, all author names should be listed. References published in non-Latin script should be translated into English with adding to the end a note of original language).

*Examples of typical journal references:*

1. Author 1, Author 2, …, and last Author. - Paper name-font style regular, Journal name in abbreviation form according to the journal, **volume** –font style bold (issue number in parenthesize) (year of publication in parenthesize) page number. DOI.
2. Fleming T. J., Kavanagh A. and Duggan G. - The effect of melt temperature on the mechanical properties of cast ASTM F75 CoCrMo alloy as explained by nitrogen and oxygen content, J. Mater. Res. Technol. **9** (5) (2020) 9479-9486. https://doi.org/10.1016/ j.jmrt.2020.06.079.

*Examples of journal references with an article number:*

1. Maghsoudian A., Esfandiarian A., Kord S., Tamsilian Y. and Soulgani B. S. - Direct insights into the micro and macro scale mechanisms of symbiotic effect of SO42−, Mg2+, and Ca2+ ions concentration for smart waterflooding in the carbonated coated micromodel system, J. Mol. Liq. **315** (10) (2020) 113700. https://doi.org/10.1016/j.molliq.2020.113700.

*Example of reference to a book:*

1. Vu V. H. and Duong D. T. - Classification of Lam bacteria in Vietnam, Agrilcultural publisher, Ha Noi, 1996, (in Vietnamese).

*Example of reference to a chapter in an edited book:*

1. Mettam G. R. and Adams L. B. - How to prepare an electronic version of your article, in: Jones B. S. and Smith R. Z. (Eds.), Introduction to the Electronic Age, E-Publishing Inc., New York, 2009, pp. 281-304.

*Example of reference to a website:*

1. <http://www>.sendmail.vjs.ac.vn/index.php/jst/, 2020 (accessed 10 March 2020).

*Example of reference to a conference proceeding:*

1. Phagoo D., Fry D., Machisko J. and Penny J. - Enhanced BNR with MBR–a unique combination, Proceedings of the 78th Annual Conference of the WEF, Vol. 9, Washington, 2005, pp. 223-232.

*Example of reference to a dataset:*

1. Oguro M., Imahiro S., Saito S. and Nakashizuka T. - Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. https://doi.org/10.17632/ xwj98nb39r.1.

*Examples of other references:*

1. APHA - Standard Methods for the Examination of Water and Wastewater, 21st edition, American Water Works Association, Washington, DC. USA, 2005.
2. ASTM Standard G 31, Standard Practice for Laboratory Immersion Corrosion Testing of Metals, Annual Book of ASTM Standards, ASTM, West Conshohocken, PA, 1994, pp. 102-113.