MALAYSIAN JOURNAL OF MICROSCOPY

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REVIEW ARTICLE

YOUR PAPER'S TITLE STARTS HERE: LEFT JUSTIFY (SUBMISSION REVIEW ARTICLE)

Abstract. An abstract should be placed immediately after the title page and authors affiliations. The abstract is between 200 and 280 words. Below the abstract, provide 3 to 5 keywords of short phrases that will assist indexers in cross indexing your article. Use small letter for each keyword.

Keywords: 3-5 words only.

Article Info (Fill by MJM)

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1. INTRODUCTION

Introduction should start in page 2. Includes a description of context, motivation for review and defines the focus [1].

The main-headers such as Introduction, Main titles, Conclusions and References should be typed in sentence case, bold and placed flush left. Leave two lines after the main-header and for all new paragraphs. Each new paragraph should be indented by 0.5 inch. Sub-headings (if applicable) should be in sentence case, bold and italic, and placed flush left. The final copy of manuscript (camera ready format) should include galley proof (Acknowledgment, Author Contributions and Disclosure of Conflict of Interest).

2. BODY- STRUCURED BY HEADINGS AND SUBHEADINGS

This section should consist of headings and subheadings. Subheadings reflect the organization of the topic and indicate the content of the various sections. Possible criteria for structuring the topic are based on methodological approaches and models or theories [2-5].

For the paragraph structure, it should cover one idea, aspect or topic per paragraph. Avoid referring to only one study per paragraph (several studies per paragraph can be considered instead). Frequently link the discussion to the research question stated in the introduction. Link the studies to one another and try to compare and discuss on the related topic. The analysis, evaluation, and comparison require use of theories, ideas, and research, relevant to the subject area of the article. The review article should discuss at least one aspect of imaging and analysis technique including electron microscopy or other imaging devices [6].

2.1 Sub-headings One

It should be in sentence case, **bold and italic**, and placed flush left. Type the contents in one column.

2.2 Sub-headings Two

It should be in sentence case, **bold and italic**, and placed flush left. Type the contents in one column.

2.3 Tables and Figures

Tables and illustrations should be arranged throughout the text and it is preferable to include them on the same page as they are first discussed. They should have a self-contained caption and numbered consecutively with Arabic numerals above the table. Title of table should be placed above the Table and centered. If a table cannot be contained in the margins of the template, place the table horizontally (sideways) for better treatment of the information. Title of Figure should be placed at the bottom of the Figure and centered. Use full spelling for Figure and Table in text. All Figures, graphics and photographs should be presented in the best quality possible. It is the responsibility of the authors to ensure that their figures, diagrams and photographs are readable, clear sharp and presentable. When presenting microstructures, be sure (compulsory) a scale marker is well presented on the images/photographs. Please submit Tables and Figures as **editable text** and not as images. Figure 1

shows FESEM micrographs of…… The **magnification scale** should be placed at bottom right/left in the micrograph and must be standardize [1-3, 5-7].

Figure 1 shows that FESEM micrographs of cross-sectional images of untreated and DHT treated porous samples at different exposure temperature [7].

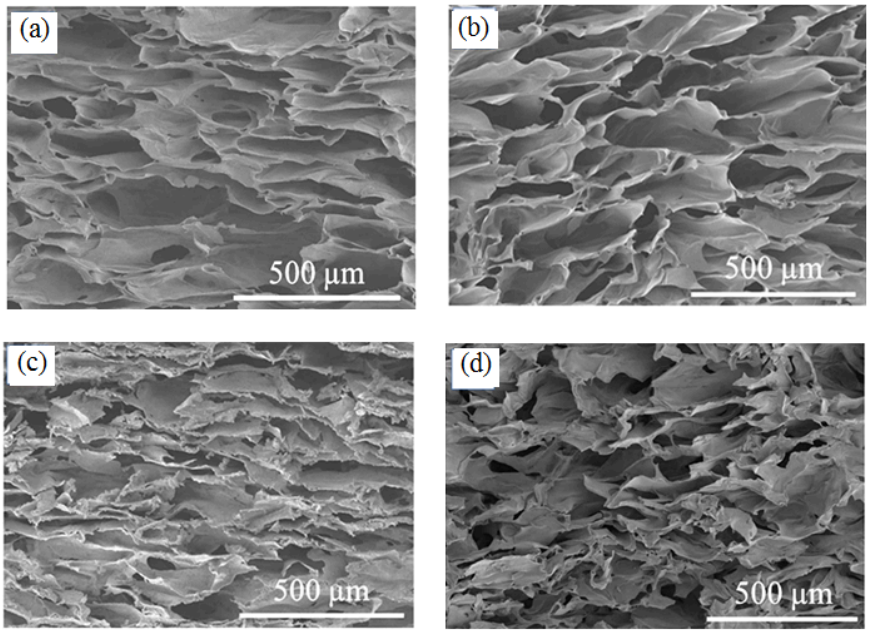

Figure 1: FESEM micrographs of cross-sectional images of untreated and DHT treated porous samples at different exposure temperature of (a) untreated, (b) 90 ºC (c) 105 ºC and (d) 120 ºC with exposure time of 120 hours.

Table 1 shows the Average pore size of untreated and DHT treated chitosan-fish scales collagen/glycerin 3D porous scaffolds.

Table 1: Average pore size of untreated and DHT treated chitosan-fish scales collagen/glycerin 3D porous scaffolds [8-10].

	Pore Size (µm)			
Exposure time (hours)	**RT**	**DHT treated at 90 °C**	**DHT treated at 105 °C**	**DHT treated at 120 °C**
24	236 ± 134	162 ± 63	140 ± 53	162 ± 60
48	236 ± 134	161 ± 59	120 ± 33	144 ± 68
72	236 ± 134	142 ± 44	114 ± 28	135 ± 43
96	236 ± 134	128 ± 45	112 ± 34	132 ± 62
120	236 ± 134	128 ± 32	106 ± 32	123 ± 57

Equations

It should be numbered consecutively. Place the number in parenthesis flush to the right margin of your text and level with the last line of the equation. For example:

Example equation:

$$E = A + C \quad (1)$$

Citations

All text references should be consecutively numbered parenthetically e.g. [1] or [1, 2], [3-5] or [2-4,7-10]. Example: Somebody et al. [7] reported that the …..etc.

Units and nomenclature

Unit and value must have gap. Example: 100 ^{o}C, 340 MPa, 550 kg etc. SI unit should be used. These should be expressed in the form ms^{-1} (not m/s)

3. CONCLUSIONS

States the implications of the findings and identifies possible new research fields and relate to the scope and objectives of the study.

References

Organized by number in the order they were cited in the text. Reference list format should be in numbered list of [1], [2], [3]. Use full name of journal references and italic font. Author names should be written in Surname First Name order. Example: If full name is Minah Jarinah Bakar. **Example: If full name is Jaminah Galaksi Bakar, so the reference will be Bakar J.G.** Please ensure that every reference cited in the text is also present in the reference list. It is highly recommended to use recent references from the past five years. For review articles, a minimum of 20 references and a maximum of approximately 30 references are required during submission. **Please note that the number of references in reviewed articles may exceed the specified maximum limit.**

Example:

Reference from journal publication:

[1] Hench, L. L. (2022). Bioceramics. *Journal of the American Ceramic Society.* 81(7), 1705-1715.

[2] Cohn, M. J., Henry, J. F. & Nass, D. (2021). Fabrication, construction and operation problems for grade 91 fossil power components. *Journal of Pressure Vessel Technology, 127*, 197-203.

Reference from chapter in book:

[3] Christel, P., Meunier, A., Dorlot, J. M., Crolet, J. M., Witvolet, J., Sedel, L. & Boritin, P. (2023). Biomechanical Compatibility and Design of Ceramic Implants for Orthopaedic Surgery. In *Bioceramics: Material Characteristics Versus In Vivo Behaviour*, vol. 523. Ed. Ducheyne, P. & Lemons, J. (Annals of New York Academic of Science, New York), pp. 234-256.

Reference from conference proceeding:

[4] Kusrini, E., Pudjiastuti, A.R., Astutiningsih, S. & Harjanto, S. (2022). Preparation of hydroxyapatite from bovine bone by combination methods of ultrasonic and spray drying. In Proceedings of the International Conference on Chemical, Bio-Chemical and Environmental Sciences (ICBEE'2012), Singapore, 14–15 Dec 2019.

Reference from book:

[5] Cullity, B. D. & Stock, S. R. (2024). *Elements of X-Ray Diffraction*. 3rd edition (Prentice Hall, Inc.) pp. 167-170.

Reference from report:

[6] Robinson, D. N. (2023). A Unified Creep-Pasticity Model for Structural Metals at High Temperature. (Report ORNL/TM-5969, Oak Ridge National Laboratory).

Reference from dissertation or thesis:

[7] Othman, S. Z. & Izrail M.J. (2020). Synthesis & Characterization of Hydroxyapatite Bioceramics. (M. Eng. Thesis, University Tenaga Nasional, Malaysia) pp. 40-50.

Reference from a personal communications:

[8] Ramesh, S. (2021). Personal Communication. (Ceramics Technology Laboratory, MMRC, University Tenaga Nasional, Malaysia).

Reference from website/internet:

[9] EAA brochure aluminium in cars (2024). [Online]. [Accessed 22nd March 2024]. Available from World Wide Web: http://org.uk/content/html

Reference from pattern:
[10] Ghatak, S. (2019). *Immunization testing system* (U.S. Patent No. 10,788,482). U.S. Patent and Trademark Office.