**Araştırma Makalesi / Research Article**

**e-ISSN: 2149-3367 DOI: https://doi.org/10.35414/XXXXXXXXXXXXX**

AKÜ FEMÜBİD **XX** (202X) xxxxxx (xx s) AKU J. Sci. Eng. **XX** (202X) xxxxxx (xx pp)

***\*Makale Bilgisi / Article Info***

Alındı/Received: xx.xx.xxxx

Kabul/Accepted: xx.xx.xxxx

Yayımlandı/Published: xx.xx.xxxx

|  |
| --- |
| **Title in English 12 Point Size, Left Aligned and First Letters Must Be Capital (except for and, with etc. The title should be no more than three lines)** |
| **Çalışmanın Başlığı 14 Punto, Sola Hizalı ve İlk Harfleri Büyük Olmalıdır (ve, ile vs. hariçi, başlık en fazla üç satır olabilir)** |

**Ad SOYAD1\*,, Ad SOYAD2,3, Ad SOYAD3, Ad SOYAD3,4, Ad SOYAD2,**

**1** *Afyon Kocatepe Üniversitesi, Mühendislik Fakültesi, Harita Mühendisliği Bölümü, Afyonkarahisar, Türkiye*

*2 Afyon Kocatepe Üniversitesi, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, Afyonkarahisar, Türkiye*

**[](https://creativecommons.org/licenses/by-nc/4.0/)***3 Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Afyonkarahisar, Türkiye*

*4 Afyon Kocatepe Üniversitesi, Teknoloji Fakültesi, Otomotiv Mühendisliği Bölümü, Afyonkarahisar, Türkiye*

© Afyon Kocatepe Üniversitesi *© Adı SOYADI |* [*Creative Commons Attribution-Noncommercial 4.0 (CC BY-NC) International License*](https://creativecommons.org/licenses/by-nc/4.0/)

**Öz**

Abstract in Turkish

Editors support authors whose native language is not Turkish when writing Turkish Abstracts.

**Anahtar Kelimeler:** Cam seramikler; Isıl işlem; XB2 nano kristalleri; Çökelme Kinetiği. Anahtar kelimeler 4-6 tane olmalıdır.

**Abstract**

Abstract should not be less than 50 words and should not exceed 250 words. Paragraphs should not be used. It should be written in 9-point font. It should be aligned on both sides. Articles exceeding 250 words are subject to preliminary evaluation and revision is requested.

**Keywords:** Glass ceramics; Heat treatment; XB2 nanocrystals; Precipitation kinetics. Keywords should be presented at least 4 and at most 6.

**1. Giriş/Introduction**

Article Page Limit: Articles must be between 4 and 15 pages.

Documents Required for the Submission Process:

Letter to the Editor: This letter provides brief information about the work conducted by the authors (including their names). It highlights the originality or unique findings (highlights) of the study and discusses sections that may be important for the journal and its readers. The letter should also explain why the study is submitted to the FMBD journal. This document, containing a wet signature, must be uploaded to the system in PDF or JPG format.

Copyright Form: This form, including wet signatures, must be uploaded to the system in PDF or JPG format.

Checklist Form: Provides information about requirements prior to article submission and the discipline of the article.

Main Text: The study formatted according to the template.

When using the template, please do not alter the page numbers or page structure. All layout details can be observed by clicking the "Show All" button (¶ symbol). Maintaining the template structure ensures convenience for the author.

The main text, consisting of Introduction, Materials and Methods, Findings, Discussion, and Conclusion sections, should be formatted in Calibri, 10-point font size, and justified alignment.

Mathematical expressions should also be written in 10-point font size.

If necessary, the Findings and Discussion sections can be combined. In this case, the Conclusion should be presented under a separate heading. The text may include numbered subheadings if required.

The Introduction section should provide the purpose of the study and its place among previously conducted research. The purpose of the study should be clearly stated in the last paragraph of the Introduction section.

**2. Materials and Methods**

For experimental studies, the experimental methods used should be provided in a detailed and descriptive manner. The methods should be explained sufficiently to allow others to replicate the work.

For theoretical studies, if a derivation has already been conducted elsewhere, the formulas should be presented with appropriate references, and each quantity in the formula should be explained. If the derivation is not available, the necessary derivation should be outlined comprehensively.

**2.1 Second-Level Heading**

If desired, information can be presented systematically using second-level subheadings. Second-level headings should be written in **italics**, **left-aligned**, **bold**, and in **10-point font size**.

**2.2 Second-Level Heading**

Each subheading should be numbered in sequence under its main heading. For example: 2.1, 2.2, 2.3, etc.

**3. Results and Discussions**

In this section, the findings should be presented clearly and concisely. When necessary, they should be supported with tables, figures, and graphs.



It should be frameless.

**Figure 1.** All figures must be in JPEG or TIFF format and should not be submitted as Excel files. Figures should be placed in the article text using the “In line with text” command. They must also be uploaded as separate files during the article submission process. Figures in black-and-white or grayscale are preferred from the perspective of journal readers. Colored figures may be used in the online PDF version. The width of figures should not exceed **8 cm** for two columns and **17 cm** for a single column. (Figure captions must be written in 9-point font size.) Figures/graphs should be frameless.

If a figure, table, or graph cannot fit into the columns, the entire page width can be used without exceeding 17 cm. For example:

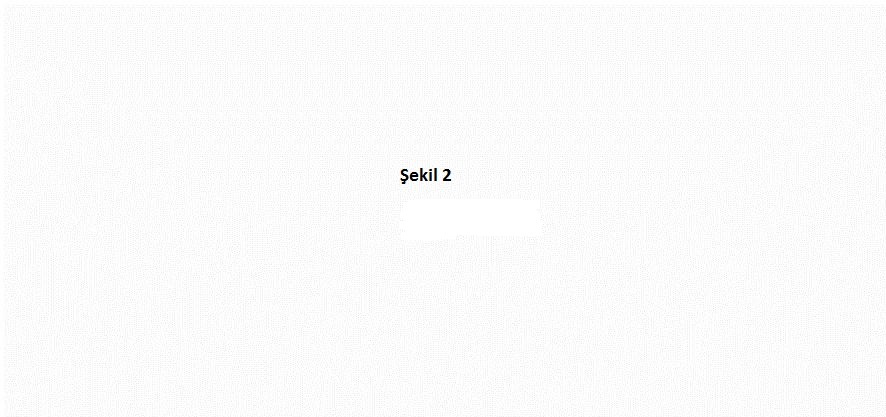
****

Figure 2

**Figure 2.** All figures must be in JPEG or TIFF format. Figures in Excel file format will not be accepted. The width of figures should not exceed 8 cm for two columns and 17 cm for a single column. Figure captions must be written in 9-point font size. Figures/graphs should be frameless and should be centered on the page. Figures should be inserted into the article text using the “In line with text” command.

**3.1 Second-Level Heading**

The findings can be supported with figures, tables, or graphs. In the text, relevant figure, table, or graph numbers should be provided in areas where the topic is discussed, and the corresponding table, figure, or graph should be presented immediately below the relevant explanation.

Table titles should be placed above the table, while figure and graph titles should be placed below the figure or graph, and all titles should be written in 9-point font size.

**4. Conclusions**

The similarities and differences of the results with other studies should be presented, and the possible reasons for these differences should be discussed. The contribution of the results to science and their significance should be emphasized. The results must be interpreted without unnecessary repetition.

**Table 1.** The effect of Cr(VI) stress on the stem and root lengths of 8 barley varieties in the early seedling stage. (Table captions must be written in 9-point font size).

|  |  |  |  |
| --- | --- | --- | --- |
| **Veriety** | **Cr(VI)**  **(µM)** | **pHHE**  **(cm-1)** | **Length**  **(cm)** |
| Angora | 0 | 23.2 ± 0.34 a | 10.1 ± 0.13 a |
| 75 | 18.6 ± 0.30 b | 8.0 ± 0.11 b |
| 150 | 13.9 ± 0.26 c | 7.0 ± 0.13 c |
| 225 | 12.1 ± 0.30 d | 7.0 ± 0.12 c |
| Aydanhanım | 0 | 18.7 ± 0.25 a | 12.2 ± 0.26 a |
| 75 | 16.6 ± 0.26 b | 7.0 ± 0.11 b |
| 150 | 14.4 ± 0.27 c | 6.5 ± 0.13 c |
| 225 | 11.3 ± 0.22 d | 6.1 ± 0.11 c |
| Başgul | 0 | 22.9 ± 0.28 a | 11.0 ± 0.18 a |
| 75 | 22.0 ± 0.37 a | 7.9 ± 0.14 b |
| 150 | 18.2 ± 0.28 b | 6.3 ± 0.12 c |
| 225 | 14.1 ± 0.39 c | 5.9 ± 0.09 d |

a-d; Table footnotes may be in **8-point font size**. (Note: Vertical lines and shading should not be used in tables.)

**NOTES**

When converting an abstract presentation into a full article, it must be developed to a certain extent. The Abstract of the article should not be identical to the abstract of the presentation at the event.

Additionally, for papers published only as abstracts, the necessary permissions must be obtained from the relevant committees of the event (conference, symposium, congress, etc.).

Preprints, or articles with a DOI number or similar citation addresses in full-text form will not be accepted. The author is responsible for any issues related to duplicate publication, DOI address or citation address conflicts, and potential copyright problems arising from applications made without explanation or detailed information.

Articles derived from "Abstract Presentations" should include the following footnote:

"This article was presented as an oral presentation at the event titled '………………………….' held in City/Country between Day/Month/Year, and is the developed version of the abstract titled '……..' published in the conference/symposium proceedings."

For the articles derived from graduate theses, the similarity limits should be followed. The verbatim inclusion of thesis texts/sections or copy-pasting should be avoided during the writing of the article.

For publications derived from graduate theses, the following footnote should be included:

"This work is derived from the Master's/Doctoral thesis titled '…..' with thesis number 123456, completed by …………. under the supervision of Prof. Dr./Assoc. Prof. Dr./Dr. Lecturer ………….. on …….. (The thesis number will be obtained from the YÖK thesis center)."

**Declaration of Ethical Standards**

*It is hereby declared that scientific and ethical principles were followed during the preparation of this work, and all sources used are cited in the reference list.*

*Or*

The authors declare that they comply with all ethical standards.

*If the following situations apply, the information should be provided as follows:*

*This study is derived from master/doctorate thesis (thesis number: 123456) under the supervision of Prof. Dr./Assoc. Dr./ Instructor Dr. by ……… on date of……. Titled. ( Thesis number can be taken from YOK Thesis Center in Türkiye. If this number is not available, Foreign authors can skip this number.)*

"This article was presented as an oral presentation at the event titled '………………………….' held in City/Country between Day/Month/Year, and is the developed version of the abstract titled '……..' published in the conference/symposium proceedings."

**Credit Authorship Contribution Statement**

Author-1: Conceptualization, investigation, methodology and software, visualization and writing – original draft.

Author-2: Conceptualization, investigation, methodology and software, supervision and writing – review and editing.

Author-3: Conceptualization, investigation, methodology and software, supervision and writing – review and editing.

Conceptualization, Methodology / Study design, Software, Validation, Formal analysis, Investigation, Resources, Data curation, Writing – original draft, Writing – review and editing, Visualization, Supervision, Project administration, Funding acquisition

*Contributor Roles Taxonomy was introduced with the intention of recognizing individual author contributions, reducing authorship disputes and facilitating collaboration.*

**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.

*Competing Interest is defined as a set of conditions in which professional judgment concerning a primary interest, such as the validity of research, may be influenced by a secondary interest, such as financial gain.*

**Data Availability Statement**

The authors declare that the main data supporting the findings of this work are available within the article.

All data generated or analyzed during this study are included in this published article.

Datasets are available on request. The raw data supporting the conclusions of this article will be made available by the authors, without undue reservation.)

**Acknowledgement**

*It is a brief acknowledgment made to the institutions or individuals who provided support for the work (including any funding or research grants received and their sources) during the review, research or assembly of the article, or to experts who made recommendations for the research conducted.*

**5. References**

***(a) When citing sources in the main text:***

Erol (2017)

Panda ve Frankenstein (2014)

Bağcı et al. (2003)

***At the end of the sentence;***

Xxxx xxx end of sentence (Samantaray, 2002).

(Panda and Choudhury 2005)

(Hanks *et al*. 2009)

İnternet references; (Int. Ref.-1)

***If multiple sources are cited***

(Yerli and Has 2017, Hanks *et al*. 2009, Baybura et al. 2017)

***b) In the reference list;***

The font size should be 10-point.

When listing references, the authors' last names should be arranged in alphabetical order in the first position.

The DOI number of the source should be provided as shown in the example below, without being in blue or underlined:

https://doi.org/10.5578/fmbd.34254

*for papers;*

The reference should be formatted as follows:

Author's last name, initial(s) of the first name, publication year. Title of the article. Journal's full name (italicized), volume number, issue number (bold), page range.

https://doi.org/10.5578/fmbd.34254

examples;

Bagcı, S.A., Ekiz, H. and Yilmaz, A., (2003). Determination of the salt tolerance of some barley genotypes and the characteristics affecting tolerance. *Turkish Journal of Agriculture and Forestry*, **27**, 253-260.

https:/doi.org/xxx.xx./zzz.12345

Panda, S.K. and Choudhury, S., (2005). Chromium stress in plants. *Brazilian Journal of Plant Physiology*, **17**, 95–102.

https:/doi.org/xxx.xx./zzz.12345

Samantaray, S., (2002). Biochemical responses of Cr–tolerant and Cr–Sensitive mung bean cultivars grown on varying levels of chromium. *Chemosphere*, **47**, 1065–1072.

https:/doi.org/xxx.xx./zzz.12345

*If the reference is a conference paper, the reference should be formatted as follows:*

Author's last name, initial(s) of the first name, publication year. Title of the paper. In Editor(s) of the proceedings (Ed(s).), Title of the proceedings (italicized), page range. Conference name, location, date. Publisher. DOI (if available).

*If the reference is a book, it should be formatted as follows:*

Author's last name, initial(s) of the first name, year. Title of the book (italicized). Volume number (if applicable), editor(s) (if applicable), place of publication, page range.

Taiz, L. and Zeiger, E., 2008. Bitki Fizyolojisi. Prof. Dr. İsmail Türkan (çeviri editorü), Palme Yayıncılık, 350-252.

*If the source is a thesis, the reference should be formatted as follows:*

Author's last name, initial(s) of the first name, year. Title of the thesis (italicized), type of thesis (Master's, Ph.D.), the institution where the thesis was submitted, location, total number of pages.

Example:

Smith, J. (2020). The Impact of Climate Change on Crop Production, Ph.D. thesis, University of Agriculture, New York, 180 pages.

*If the source is an online source, it should be listed under the "Internet Sources" section at the end of the reference list. The format should be as follows:*

Author's last name, initial(s) of the first name, year. Title of the webpage/article. Website name. URL (accessed: Date).

***Internet References***

1-Yazici, Z.O., Title of work, http://www.kgm.gov.tr, (07.12.2016)

İf there is no author

2-paper title, http://www.koeri.boun.edu.tr, (07.07.2017)

İf there are no author or a title

3-. ttps://igscb.jpl.nasa.gov/components/prods\_cb.html, (27.04.2007)

**Equation formatting:**

(1)

şeklinde ifade edilmektedir.

Equations should be written using the equation editor, aligned to the left, and numbered as (1), (2), (3), etc. There should be a space before and after the equation.

***NOTES:***

***Draft articles are subjected to similarity checks. The general similarity limit should not exceed 25%, and the individual similarity limit should not exceed 4%. If the similarity limits are exceeded, the author will be asked to revise the text.***