(Short Title): Enter a shortened version of your title (≤50 characters, all caps). Example: NANOCOMPOSITE HYDROGEL DRESSINGS

Title of the Manuscript

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Highlights

- Provide 3–5 bullet points summarizing the main contributions of your study.
- Each bullet should be concise (≤85 characters including spaces).

Graphical Abstract

- Authors should provide a single, high-resolution image that visually summarises the main finding or workflow of the study. A brief caption should be placed below the image.
- The graphical abstract must be an original image that clearly represents the main work of the manuscript.
- It should be uploaded as a separate file through the online submission system and included in the manuscript.
- The design should follow a clear and logical flow, preferably from top to bottom or left to right.
- Keep the design simple and easy to understand, avoiding unnecessary elements or visual clutter.
- The image should be at least 1328 × 531 pixels (width × height) with a resolution of at least 300 dpi. Larger images should maintain the same ratio.
- Use a clear, readable font, such as Arial, at an appropriate size.
- Preferred file formats are TIFF, EPS, PDF, or Microsoft Office files.

Abstract

Provide a structured abstract (150–250 words) with the following subheadings: Background, Methods, Results, and Conclusion. The abstract should concisely summarize the study rationale, design, key findings, and main conclusion. Avoid abbreviations unless they are defined, and do not include references in the abstract.

Keywords: *Provide 4–8 keywords.*

1. Introduction

Begin with a clear statement of the research problem and its significance. Provide relevant background from recent literature (majority from last 5 years). End with a clear aim or hypothesis. Use APA 7th in-text citations.

2. Materials and Methods

2.1 Study Design and Setting

Describe the study design, location, period, and relevant contextual information.

2.2 Participants/Samples

State inclusion and exclusion criteria, sampling method, sample size, and ethical considerations.

2.3 Data Collection and Laboratory Methods

Describe instruments, procedures, reagents, equipment, and quality-control measures.

2.4 Statistical Analysis

Specify software, statistical tests, significance level, and how data are presented (e.g., mean ± SD).

3. Results and Discussion

- Present findings in a logical sequence. Use tables and figures where appropriate. Report exact p-values, sample sizes, and confidence intervals where applicable.
- Interpret results in the context of existing literature. Discuss strengths, limitations, and implications for practice or future research. Avoid repeating results.

Tables and Figures: Placement and Formatting

Tables and figures should be inserted immediately after the paragraph in which they are first cited, preferably directly after the relevant paragraph. Figures should be provided with high resolution. The font used within all figures and tables should be (**Arial**; **Size 11**). Each table and figure must include a numbered caption. Each table and figure must be: Cited in the main text at the appropriate location (e.g., "As shown in Table 1…" or "(Figure 1)")

Table (X) / Figure (X) title, table description, and statistical analysis.

Example:

Table (1): Effect of the hydrogel formulations on cell viability. Cell viability was assessed after 72 h of treatment. Data are presented as mean ±SD, each with three technical repeats (n = 3). Statistical analysis was performed using one-way ANOVA, with significance indicated as *p ≤ 0.05 and ***p ≤ 0.001.

Variable	Group A	Group B
x	x***	x

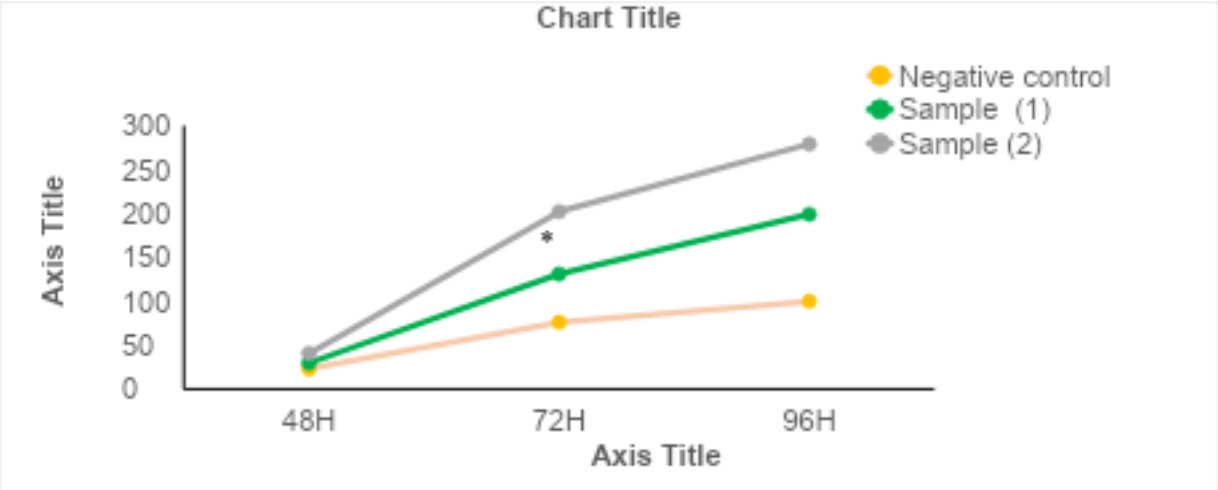


Figure (1): Effect of the hydrogel formulations on cell viability. Cell viability was assessed after 24h, 72h, 96h of treatment. Data are presented as mean ±SD, each with three technical repeats (n = 3). Statistical analysis was performed using two-way ANOVA, with significance indicated as *p ≤ 0.05.

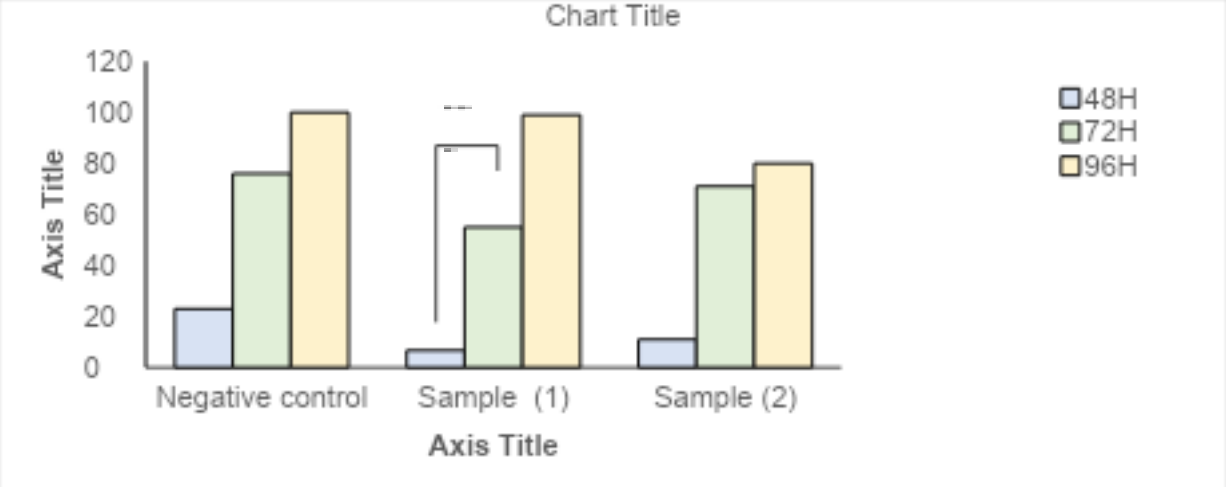


Figure (2): Effect of the hydrogel formulations on cell viability. Cell viability was assessed after 24h, 72h, 96h of treatment. Data are presented as mean ±SD, each with three technical repeats (n = 3). Statistical analysis was performed using two-way ANOVA, with significance indicated as **p ≤ 0.01.

4. Conclusion

Provide a concise summary of main findings and their significance. Avoid overgeneralization.

Abbreviations
List all non-standard abbreviations used in the manuscript in alphabetical order, with full terms.

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Author Contributions
Describe each author's contribution using the CRediT (Contributor Roles Taxonomy) system where possible (e.g., Conceptualization, Methodology, Writing – original draft, Writing – review & editing).

Funding
Provide funding information and grant numbers, or state: "The authors received no specific funding for this work."

Data Availability
State where the data supporting the findings can be accessed or provide a justified restriction statement.

Ethics Approval and Consent to Participate
State the approving committee, approval number, and consent procedure, or explain why approval was not required.

Conflict of Interest
Declare all competing interests or state: "The authors declare that they have no competing interests."

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All references must follow APA edition style. References are listed alphabetically by the surname of the first author. Use a hanging indent (first line flush left, subsequent lines indented). Include DOI where available. Verify every reference, journal title, volume, issue, pages/article number, and in-text citation.

- Smith, J., & Jones, A. (2025). Title of article. Journal Name, 15(3), 123–130. https://doi.org/xx.xxx/yyyy.
- Brown, T. (Ed.). (2024). Book title (3rd ed.). Publisher.
- World Health Organization. (2025). Title of report. WHO. https://www.who.int/.

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