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**Title of the article**

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**Abstract**

The manuscript should contain an abstract. The abstract should be self-contained and citation-free and should not exceed 300 words. The abstract should state the purpose, approach, results and conclusions of the work. The author should assume that the reader has some knowledge of the subject but has not read the paper. Thus, the abstract should be intelligible and complete in itself (no numerical references); it should not cite figures, tables, or sections of the paper. The abstract should be written using the third person instead of the first person.

Keywords: Use about five keywords and separate them by a semicolon.

**عنوان المقال**

**المؤلف الأول 1 \*، المؤلف الثاني 2، المؤلف الثالث 3**

1 انتماء المؤلف الأول

2 انتماء المؤلف الثاني

3 انتماء المؤلف الثالث

**الملخص**

يجب أن تحتوي المخطوطة على ملخص. يجب أن تكون الملخصات قائمة بذاتها وخالية من الاقتباس ويجب ألا تتجاوز 300 كلمة. يجب أن يوضح الملخص غرض العمل ونهجه ونتائجه واستنتاجاته. يجب أن يفترض المؤلف أن القارئ لديه بعض المعرفة بالموضوع ولكنه لم يقرأ الورقة. وبالتالي، يجب أن يكون الملخص واضحًا ومكتملًا بذاته (بدون مراجع رقمية)؛ يجب ألا يستشهد بأشكال أو جداول أو أقسام من الورق. يجب كتابة الملخص باستخدام شخص ثالث بدلاً من الشخص الأول.

الكلمات المفتاحية: استخدم ما لا يقل عن خمس كلمات تكون مفصولة بفارزة منقوطة.

**1. Introduction**

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*2.1. The paper should have the following structure*

2.1.1. Title of the paper

2.1.2. Authors and affiliations

2.1.3. Abstract

2.1.4. Keywords

2.1.5. Introduction

|  |  |  |
| --- | --- | --- |
| **Nomenclature &** **Symbols** |  |  |
| CPV | Concentrating Photovoltaic | CPC | Compound Parabolic Concentrator |
| CR | Concentration Ratio | PCM | Phase Change Material |
| Iabs | Irradiancies on the Absorber Plane (w/m2) | Aabs | Area of the Absorber Plane (m2) |
| Β | Reflectivity (%) | Ω | Vertex Angle (O) |

2.1.6. Nomenclature & Symbols

2.1.7. Main body

2.1.8. Conclusions

2.1.10. Acknowledgement

2.1.10. References

3. Page style

All paragraphs must be justified alignment with justified alignment.

*3.1. Text font of the entire document*

The entire document should be in Times New Roman. The font sizes to be used are specified in Table 1.

*3.2. Title and author details*

The title and authors' details must be in the middle of the page.

Only the first word in a title must be capitalised, and the other word should be in a small case. Author details must not show any professional title (e.g. Managing Director), any academic title (e.g. Dr.) or any member of any professional organization (e.g. Senior Member IEEE).

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Each affiliation must include, at the very least, the name of the company and the name of the country where the author is based (e.g. Institute of Technology Baghdad, Middle Technical University, Baghdad, Iraq). Email address is compulsory for the corresponding author.

**Table 1.** Font Specifications for A4 Papers

|  |  |
| --- | --- |
| Font Size | Appearance (in Times New Roman) |
|  | Regular | Bold |
| 8 | table caption, centredfigure caption, centredreference item |  |
| 9 | Author’s affiliationParagraphabstract body |  |
| 10 |  | author name |
| 18 |  | Paper title |

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Any table, figure or picture must have a caption (Fig. 1, Table1, etc.) followed by a proper description. All similar graphics must be generated using the same software product (Excel, EES, Mat lap, Origin, Mathematica, etc.). Importing pictures into the article as images (JPG, BMP, PNG, etc.) should be avoided. All similar electronic schematics, charts, program flow, simulated characteristics, etc., from the article, should be generated using the same software product. Importing images from other articles or books, it’s totally forbidden unless they are cited.



**Fig. 1.** The text within the figure is Times New Roman, with an equivalent height of 9 points, as the caption is. All letters used in the figure are explained in the caption: L = patch length, W = patch width, Cd = cut depth, Cw = cut width, Fl = feed length, Fw = feed width

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Figures must be numbered using Arabic numerals. Figure captions must be in 8 pt Regular font. Captions of a single line (e.g. Fig. 2) must be centred, whereas multi-line captions must be justified (e.g. Fig. 1). Captions with figure numbers must be placed after their associated figures, as shown in Fig. 1.



**Fig. 2.** Solar refrigeration system

3.3.2. Table captions

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*3.4. Equations*

Equations should be numbered consecutively throughout the paper. The equation number is enclosed in parentheses and placed flush right, as in (1). Your equation should be typed using the Times New Roman font (please, no other font). To create multilevel equations, it may be necessary to treat the equation as a graphic and insert it into the text after your paper is styled.

$\sin(x)+\cos(y=a)$ (1)

$dL=G\*d\_{w}$(2)

Use the same symbol in a definition over the entire article. Use correct symbols for physical or technical terms. (Example: ε0 and not ε0 for permittivity). Do not repeat definitions over the article. Refer to already defined symbols, equations, and theorems by using the cross reference number (Example: As pointed in (1) the…).

Acknowledgement

This is a text of acknowledgement. Do not forget the people who have assisted you with your work. Do not exaggerate with thanks. If your work has been paid by a Grant, mention the Grant name and number here.

**Reference**

There are standard reference formats for most types of documents. Below are examples of the most common types of documents you might want to reference. Each of the following gives a suggested standard format for the reference, followed by examples for the different document types.

**Book**

[Ref number] Author’s initials. Author’s Surname, Book Title, edition (if not first). Place of publication: Publisher, Year.

1. I.A. Glover and P.M. Grant, Digital Communications, 3rd ed. Harlow: Prentice Hall, 2009.

**Book chapter**

[Ref number] Author’s initials. Author’s Surname, “Title of chapter in a book,” in Book Title, edition (if not first), Editor’s initials. Editor’s Surname, Ed. Place of publication: Publisher, Year, page numbers.

1. C. W. Li and G. J. Wang, "MEMS manufacturing techniques for tissue scaffolding devices," in Mems for Biomedical Applications, S. Bhansali and A. Vasudev, Eds. Cambridge: Woodhead, 2012, pp. 192-217.

**Electronic Book**

[Ref number] Author’s initials. Author’s Surname. (Year, Month Day). Book Title (edition) [Type of medium]. Available: URL

1. W. Zeng, H. Yu, C. Lin. (2013, Dec 19). Multimedia Security Technologies for Digital Rights Management [Online]. Available: http://goo.gl/xQ6doi

**Journal article**

[Ref number] Author’s initials. Author’s Surname, “Title of article,” Title of the journal abbreviated in Italics, vol. number, issue

number, page numbers, Abbreviated Month, Year, Doi.

1. Osamah Sabah Barrak, Osamah Fattah Taresh, Mahmood Mohammed Hamzah, and Rusul Ahmed Shakir, “An Investigation of Joining Polyamide (PA) to Stainless Steel AISI 316L by Hot Press Process”, JT, vol. 5, no. 1, pp. 114–121, Apr. 2023, <https://doi.org/10.51173/jt.v5i1.1280>.

**E-Journal article**

[Ref number] Author’s initials. Author’s Surname. (Year, Month). “Title of article.” Journal Title [type of medium]. volume number, issue number, and page numbers if given. Available: URL

1. M. Semilof. (1996, July). “Driving commerce to the web-corporate intranets and the internet: lines blur”. Communication Week [Online]. vol. 6, issue 19. Available: http://www.techweb.com/se/directlinkcgi?CWK19960715S0005

**Conference papers**

[Ref number] Author’s initials. Author’s Surname, “Title of paper,” in the name of Conference, Location, Year, pp. xxx.

1. [6] S. Adachi, T. Horio, T. Suzuki. "Intense vacuum-ultraviolet single-order harmonic pulse by a deep-ultraviolet driving laser," in Conf. Lasers and Electro-Optics, San Jose, CA, 2012, pp.2118-2120.

**Reports**

[Ref number] Author’s initials. Author’s Surname, “Title of report,” Abbreviated Name of Company., The City of Company., State, Report number, year.

1. [7] P. Diament and W. L. Luptakin, “V-line surface-wave radiation and scanning,” Dept. Elect. Eng., Colombia Univ., New York, Sci Rep. 85, 1991.

**Patents**

[Ref number] Author’s initials. Author’s Surname, “Title of patent,” Country where the patent is registered. Patent number, Abbrev of Month Day Year.

1. J. P. Wilkinson, “Nonlinear resonant circuit devices,” U.S. Patent 3 624 125, July 16 1990.

Note: Use “issued date” if several dates are given.

**Standards**

[Reference number] Title of Standard, Standard number, date.

1. Shunt power capacitors, IEEE Standard 18-2012, 2013.

**Theses/Dissertations**

[Ref number] Author’s initials. Author’s Surname, “Title of thesis,” Designation type, Abbrev. Dept., Abbrev. Univ., City of Univ., State, Year.

1. J. O. Williams, “Narrow-band analyser,” Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.

**Datasheets**

[Ref number] Author’s initials. Authors Surname, “Title of Datasheet,” Part datasheet, Publication date [Latest revision date].

1. Texas Instruments, “High-speed CMOS logic analogue multiplexers/demultiplexers,” 74HC4051 datasheet, Nov. 1997 [Revised Sept. 2002].

**Online Documents**

1. M.R. Brooks, “Musical toothbrush with adjustable neck and mirror,” U.S Patent 326189 [Online], May 19 1992. Available: http://goo.gl/VU1WEk

**Websites**

[Ref number] Author’s initials. Authors Surname. (Year, Month. Day). Title of web page [Online]. Available: URL

1. BBC News. (2013, Nov. 11). Microwave signals turned into electrical power [Online]. Available: <http://www.bbc.co.uk/news/technology-24897584>
2. M. Holland. (2002). Guide to citing Internet sources [Online]. Available: <http://www.bournemouth.ac.uk/library/using/guide_to_citing_internet_sourc.html>