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# TECHNICAL JOURNAL

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A Peer-reviewed scientific journal issued by the **National Board of Technical and Vocational Education (NBTVE)** - Tripoli-Libya. The journal aims to publish researches and scientific studies in the fields of engineering and applied sciences, medical sciences and humanities sciences. The journal also aims to contribute to the advancement of scientific research, linking the National Board with other universities and research centers through cooperation for beneficial scientific exchange to provide the best. The journal publishes three main scientific branches. They are as following:

## **Section I**

### **(Engineering and Applied Sciences)**

A biannual journal issued twice a year with the same title of the journal beside (Engineering and Applied Sciences).

## **Section II**

### **(Medical Science)**

A biannual journal issued twice a year, with the same title of the journal beside (Medical Sciences).

## **Section III**

### **(Humanities Science)**

A biannual journal issued twice a year, with the same title of the journal beside (Humanities Science).

## **I: The journal publishing materials**

The journal publishes different styles of scientific studies and researches, such as:

1. Unpublished researches and scientific studies.
2. Summaries of some privileged-scientific dissertations that discussed and approved at universities, colleges and technical institutes.
3. Reviewing and presenting modern books.
4. Translated researches and studies on condition that the translation should be authentic and decent ,and accompanied by original text.
5. Reviewing and evaluating the work of both national and international scientific conferences and seminars.

## **II : Improving researches and studies submitted for publication in technical journal**

All researches and studies, submitted for publication, will be revised according to international scientific criteria. Research papers will also be reviewed by two specialties in the competence of the subject to be published, selected by the Editorial Board as confidential. The selected researches and studies will be published in the journal only after their approval, and the journal has the right to ask the researcher for partial or complete modifications on the research or study before approval for publication in the journal.

## **III : Publication conditions in the journal**

1. The journal publishes innovative researches and studies which comply with the policy and methodology of scientific research, on the condition that such researches or studies have not been published or submitted for publication elsewhere. The researcher should acknowledge these conditions in print when submitting research or study for publication. Writing the selected studies and

researches in Arabic, including English abstract, or in English including Arabic abstract with no more than 200 words.

2. Printed pages should be with no more than 15 pages, including tables, Figures and graphics.
3. The journal has legal right to publish the selected researches and gain benefits in scientific fields without owner's permission on the condition that the journal should provide references to these researches according to referencing and citation rules.
4. Researches and studies submitted for publication (either published or unpublished) are not returned back to their owners and the applicant is not entitled to claim them.
5. After the research is accepted and published in the journal, two free copies of research published will be given to the owner.
6. Editors of the Technical journal have the right to decline any scientific participation which inconsistent with the above mentioned conditions, or outside the field of specialty of jurisdiction of the journal, or declined from the panel of adjudicators, and the writer should not appeal against.
7. The coordination and the time of publication of the valid researches and studies are both under the magazine's policy. The author should not demand a speedy judgment or publish a paper according to his/ her wishes.

#### **IV : Writing Research CONTRIBUTION Submitted for Publication in the Journal.**

**Contributions**, which will be published in the journal, should be sent in three printed copies (two copies do not include the author's name and address, and one copy includes the author's name and address, and an electronic version in disk CD) with the following specifications:

1. Print the scientific topic on (A4) paper with dimensions (25 cm x 17.5 cm), with up and down margins (5.6 cm) and both sides with (4.5 cm) to be valid for direct publication.
2. The first page should include researcher triple name, career, academic scientific degree, work name, email address and research title.
3. Write the paper with (MS WORD). Any different program will not be accepted.
4. If the paper is written with Arabic language, use (simplified-Arabic ) in all text contents and (Times New Roman ) if the paper is written with English language.
5. Research papers should include the following main elements: (search extract, an introduction, work steps, results, discussion, conclusion, references and appendices).
  - Write the title of the research in the center of the page with font size 16, bold and black.
  - Write the names of the authors (triple) with font size 11 black and under the title directly by one line space, beginning with the author's name and ends with the grandfather's name or family.
  - Typing researchers' addresses with font size 10 normal directly under the name of the researcher. In the case of multi-work places or addresses of the researchers, numbers should be written after each author's name and never use any other symbols, also, a space should be left after headings. Write the title of the abstract and all other major addresses on a separate line with font size 12 black. (Arabic language) from the right (English) from the left,

followed by text font size 11 and only one space, without paragraph spacing and the text should be justified..

**V: Tables And shapes:**

Tables and shapes Must not exceed the dimensions written text (25 cm x 17.5 cm) and never divide table on two pages. The Minimum type font size inside the table should be 8 and maximum 10.

- The table must be part of a written text ,printed with the same program (MSWORD) not separated or scanned. Every table should be preceded by a serial number and a title with normal font size 11.
- Shapes associated with the final text should be original and very clear.
- Figure's dimensions are chosen with the ability that can be coordinated in the context of search using special drawing or scan programs. The Figure, also, should carry a number with its address written under the Figure directly with font size 11.
- Figures, graphics and images are introduced with serial numbers and illustrated with their own programs, including the necessary clarifications and no larger than half a page of the journal pages.
- In the case of foreign names that included in the research paper, they should be written in Arabic characters (Latin letters in parentheses). The full name should be repeated when it appears for the first time.

**VI: Symbols, equations and references:**

Write all the symbols of chemical elements both within the text or in independent equations with English symbols only, for example: ( $^{235}\text{U}$ ) and not (U-235 or U235).

- Write mathematical equations (if founded in the research paper) using Equation Editor (3) Microsoft package, and never write them in the form of a picture or Arabic characters. The author must give each equation a serial number between parentheses from (1) until the last equation exists in the research. Also, a description of symbols must be presented in glossary and the abbreviations too.
- The used references are noted within the text using Arabic numerals between braces (first reference is indicated by number [1] and [2], and so on). References should be written at the end of the research paper according to the number ordered (1., 2., 3., etc.) and not according to the alphabetical order of the authors' names (this is not a technical journal system). To write in accordance with scientific and global context followed in writing references (numbers not names) and must not be written at the bottom of the page (footnote).

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**TECHNICAL JOURNAL**  
**Biannual Scientific and Technology Journal**  
**Issued by National Board for Technical and Vocational Education**  
**Tripoli - Libya**

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**Scientific Contribution Preparation**

**Contribution Format**

1. PC should be used to prepare texts.
2. Three copies should be submitted to the journal (one on compact disc, CD and the Two as a hard copy and it should be printed in A4 paper.).
3. The MS-office should be used to prepare the text.
4. The paper should be arranged in the following order :
  - Abstract.
  - Introduction.
  - Theoretical or Experimental procedures.
  - Results and Discussion.
  - Conclusions.
  - References.

**Page Setup**

1. Left and Right margins: 4.5 cm.
2. Top and Bottom margins: 5.6 cm.
3. Font type: Times New Roman.
4. Space between lines: single spacing.

**Text Preparation**

1. Paper title: font size 12 - 14 in bold. .
2. Author name: font size 11 first initials followed by family name.
3. Author address: font size 11.
4. Text: every subtitle is printed left side (font size 12), followed by the text (font size 11).

**Tables**

1. Table size: (12cm × 18.5cm).

2. Table font size: (min. 8, max. 10).
3. The table should be part of the text.
4. Every table should be preceded with a title (font size 10).
5. Table should not be divided in two pages.

### **Figures**

1. Figures should be clear (not a photocopy or scan).
2. Figures dimensions: (12cm × 18.5cm).
3. Figures caption: (font size 10) should be under the figure.

### **References**

1. The references are related within the text using numbering system like [1].
2. References style:
  1. Muftah M. Zealik: ***Morphology and Phase Composition Oxidation of Co-Cr Alloys***, Taqnyia Journal, Vol. (I), No. (I), pp. 35-45, (2005).
3. All references should be included at the end of the contribution.

