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**Abstract**

Smyrna Journal of Natural and Data Sciences (**SJDNS**) is a fully-refereed electronic journal that aims to contribute to the theoretical and experimental literature in the fields of natural and data sciences and is published twice a year (June, December). The abstract should not contains the equations and not exceed 200 words. The number of keywords must be minimum 3 and maximum 6. The abstract and keywords font size is 10pt.

***Keywords:*** *Keyword1, keyword2, keyword3, keyword4, keyword5, keyword6*

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# Introduction

 Smyrna Journal of Natural and Data Sciences (**SJDNS**) is a fully-refereed electronic journal that aims to contribute to the theoretical and experimental literature in the fields of natural and data sciences and is published twice a year (June, December). {\bf SJDNS} publishes scientific studies that have original content, are remarkable for readers in the fields of fundamental sciences and data science, present a new field of research or new perspectives on an existing field, solve a critical problem or take important steps towards solving it, and examine the subjects comprehensively and in detail. For this purpose, academic studies prepared in {\bf English} are accepted for scientific evaluation. {\bf SJNDS} generally invites research articles in the fields of Biology, Chemistry, Computer Science, Data Science, Physics, Statistics and Mathematics. However, sub-research areas of these fields and multidisciplinary studies related to these fields can also be presented. Special issues are also published within the scope of events such as symposiums and congresses organized within the scope of the journal's field. Articles that are not within the scope of the journal and also have ethical issues are rejected without being submitted to peer review. Within the scope of the journal, the following types of studies in the research areas defined above can be published electronically:

* Research
* Review
* Short Report
* Case Study

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* Page margins: 2cm from left and right, and 2.25cm from top and bottom
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	+ Main font size: 11pt, justified
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	+ Abstract: 10pt and should not contain the equations and not exceed the 300 words. Abstract indention is 1cm from both left and right sides
	+ Keywords: 10pt and italic, and the number of keywords is at least 3 and at most 6.
	+ Section and Subsection titles: 12pt, bold; and leave 5pt spacing just after the section and subsection titles
	+ Subsubsection titles, Definitions, Theorems, etc. (all kind of environment names): 11pt, bold
	+ Item spaces and hanging: Leave 0.6cm from left side and hang each item, and also leave 6pt space after each item
* Equations: Use the equation editor, and write them clearly. Long equations must be splitted and aligned. In addition, the system of equations must be aligned. Each equation which will be used later must be labeled by a number such as “(section number.equation number)”, for example (4.1)
* Figures must be centered and have captions centered below to the figure. The resolution of the each figure should be at least 300 dpi. The caption font size is 10pt. The text width is 17 cm, so it is assumed the width of a figure can not be exceeds the textwidth. In addition, if there are two or more figures is the same line, the total figure length can not exceed the text width, and please do not forget to give a space between figures in the same line. For examples, see the section: 4.2 Examples for figures and subfigures.
* Tables: Tables must be centered and have captions centered above to the figure. The caption font size is 10pt. The text width is 17 cm, so it is assumed that the width of the table, together with its caption, can not exceed the text width and also the paper margins. If you need, you may rotate tables. Of course, for big data tables, you may change the font sizes of the table entries but, they must be readable without using a lens.
* References and Citation: Use APA style to cite and write references. The references without citation will not be accepted. When you need an information about the APA style, please visit the website https://apastyle.apa.org

# Materials and Methods

 This is an example of a numbered first-level heading. The materials and methods must be explained here.

# This is a Numbered First-Level Section Head

 This is an example of a numbered first-level heading. To write your manuscript, you may need the some mathematical concepts and their writing rules. Here there are some examples.

**Lemma 4.1.** *For any real numbers and the difference of two squares can be factorized as*

*The statement of lemmas and theorems must be written by italic shaped characters. Leave 12pt spacing after each lemma. Theorems should be numbered according to the section numbers.*

 By using the identity given by the equation (4.1) in Lemma 4.1 one can write

The equation (4.2) is an example how to align an equation. The equations written in display mode may not include a numbering such as

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**Definition 4.1.** This is an example of a definition. Definitions should be numbered according to the section numbers. Leave 12pt spacing after each definition.

*Remark 4.1.* This is an example of a remark element. Remarks should be numbered according to the section numbers. Leave 12pt spacing after each remark.

**Example 4.1.** This is an example of an example element. Leave 12pt spacing after each example.

**Definition 4.2.** This another definition example to see numbering.

**Lemma 4.2.** *This is another lemma to see numbering.*

**Theorem 4.1.** *This is an example of a theorem. Theorems should be numbered according to the section numbers. The statements of lemmas and theorems must be written by italic shaped characters. Leave 12pt spacing after each theorem.*

**Theorem 4.2** (XXX Theorem)**.**  *This is an example of a theorem with a parenthetical note in the heading.*

## 4.1 This is a numbered second-level section (subsection) head

 This is an example of a numbered second-level heading.

## This is an unnumbered second-level section head

 This is an example of an unnumbered second-level heading.

### 4.1.1 This is a numbered third-level section (subsubsection) head

 This is an example of a numbered third-level heading.

**Lemma 4.3.** *This is another lemma to see numbering.*

**Theorem 4.3.** *This is another theorem to see numbering.*

*Remark 4.2.* This is an example of a remark element. Remarks should be numbered according to the section numbers. Leave 12pt spacing after each remark.

**Example 4.1.** This is an example of an example element. Leave 12pt spacing after each example.

**Definition 4.2.** This another definition to see numbering.

### 4.1.2 This is a numbered third-level section (subsubsection) head

 This is an example of a numbered third-level heading.

## 4.3 Examples for figures and subfigures

 Each figure must have a caption, and must be cited inside the text by using correct commands. Captions of the Figures must be centered below to the Figure. Caption size is 9pt. For example, the Figure 1 is an example of a single figure.



**Figure 1.** An example for figure captioning

 The Figure 2 is an example of a figure with multiple subfigures, each having its own caption, and all the captions are centered below to each subfigure, and they have main caption centered below to the figure. To cite the each sub-figure inside the text please use the cite commands. For example the Figure 2a is the citation of the Figure 2a.

 

 **(a)** Write here the caption of the subfigure 1 **(b)** Write here the caption of the subfigure 2

**Figure 2.** Write here the main caption

## 4.3 An example for tables

 The following Table 1 is an example of a Data table. Captions must be centered above the table. To cite the tables inside the text please use the citations commands.

**Table 1** Data table example

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Header 1** | **Header 2** | **Header 3** | **Header 4** | **Header 5** | **Header 6** | **Header 7** |
| Data 1 | Data 2 | Data 3 | Data 4 | Data 5 | Data 6 | Data 7 |
| Data 1 | Data 2 | Data 3 | Data 4 | Data 5 | Data 6 | Data 7 |
| Data 1 | Data 2 | Data 3 | Data 4 | Data 5 | Data 6 | Data 7 |
| Data 1 | Data 2 | Data 3 | Data 4 | Data 5 | Data 6 | Data 7 |

## 4.4 Citing a reference

 The references of the manuscript should be written in APA style.

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	+ The \citep{} and \citep[]{} commands produces the parenthetical citations. For example,
		- The book (Akbulut, 1994) is the first proceeding of the Gökova Geometry Topology Conference
		- The book (Knuth, 1997) introduces the art of computer programming
		- To see applications of the Euler’s formula see the book (Aigner, 2018, s. 89-94).
	+ The \citet{} and \citet[]{} commands produces the citations when the author name(s) is a part of a text. For example,
		- Lorenz and Roquette (2010) explains the Arf invariant from the historical perspective.
		- Köse (1999) used the dual numbers and dual unit vectors to explain the how to construct a developable ruled surface.
		- To see applications of the Euler’s formula see the book (Aigner & Ziegler, 2018, p.89-94).
		- Knuth, (1997, p.334) has explained the binary tree representations of trees.
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An alternative way, use the programs, such as Mendeley, to create reference details in APA style, copy and past it to References part. In this case, please do not forget to cite it inside the text in the right format. The references without citations will not be accepted.

# Results and Discussion

Results and the discussions should be written in this part.

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