|  |
| --- |
|  |
| **Radiation Shielding Properties of Barite Coated Terry-Cotton Fabric****İskender AKKURT1\*, Name SURNAME2**1Süleyman Demirel Üniversity, Science and Arts Faculty, Physics Department, 32200, Isparta-Turkiye\* **Corresponding Author** **Email:** iskenderakkurt@sdu.edu.tr - **ORCID:** 0000-0002-5247-7850 (you can get it in orcid.org)2Süleyman Demirel Üniversity, 32200, Isparta-Turkiye**Email:** email@email.edu.tr **- ORCID:** 0000-0002-5247-7850  |
|  |
| **Article Info:****DOI:** 10.22399/ijcesen.XXXXXX**Received :** 25 November 2015**Accepted :** 20 December 2016**Keywords** (must be 3-5)Keyword 1Keyword 2Keyword 3Keyword 4Keyword 5 | **Abstract:** Abstract should be about 100-250 words. It should be written times new roman and 10 punto. |

**1. Introduction**

Main body of manuscript should be written using times new roman and 11 punto. The reference should be given in bracket for journal [1], for book [2], for e-book [3], for conference presentation [4] and for web site [5]. For all references, list the first six authors; add "et al." if there are additional authors. Please cite reference as following if you need mention name : “Akkurt (2009) has performed an experiment fort his purposes [2]”. The formula should be given as in equation 1.

$I=I\_{o}e^{-μx}$ (1)

The table of the manuscript should be as shown in table 1.

***Table 1.*** *Table caption would be in times new roman 10 punto and italik.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Table** | **Table** | **Table** | **Table** |
| 1.1 | 1 | 1 | 1 |
| 1.2 | 1 | 1 | 1 |
| 1.3 | 1 | 1 | 1 |

Figures in manuscript should be shown as in Fig.1 where the caption style is also detailed.



***Figure 1.*** *Figure caption should be in times new roman 10 punto and italik and centered.*

***Table 2.*** *If needed large table this format should be used*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** | **Table** |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

**2. Material and Methods**

Transmission rate may also be used to for shielding properties and it is defined as equation 5 [4].

$Transmission=Ln\left(\frac{N}{No}\right)x\frac{1}{μ}\_{o}$ (1)

**2.1 Subsection**

If you need subsection you should do it using this format.

**3. Results and Discussions**

As the transmission rate is the min length to stop gamma rays for specified rate, it is important to know. This is obtained and displayed in Figure 11 for 511,835 and 1275 keV gamma rays. It can be seen in this figure that small thickness of fabric is required for TCF60, TCF50, TCF40, TCF0 type fabric respectively for all energies. This is also another indication of the importance of barite coating on fabric to improve radiation shielding properties.

**4. Conclusions**

In this section conclusions of work should be given.

**Author Statements:**

* **Ethical approval:** The conducted research is not related to either human or animal use.
* **Conflict of 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
* **Acknowledgement:** The authors declare that they have nobody or no-company to acknowledge.
* **Author contributions:** The authors declare that they have equal right on this paper.
* **Funding information:** The authors declare that there is no funding to be acknowledged.
* **Data availability statement:** The data that support the findings of this study are available on request from the corresponding author. The data are not publicly available due to privacy or ethical restrictions.

**References**

Reference must be in **APA** style for article publication in IJCESEN.

Example:

[1]Iskender Akkurt. (2009). Effective atomic and electron numbers of some steels at different energies. *Annals of Nuclear. Energy*. 36(11-12):1702-1705. DOI:10.1016/j.anucene.2009.09.005

[2]Goldin, C. D., & Katz, L. F. (2008). The race between education and technology*.* *Belknap Press of Harvard University Press.*

[3]Auster, P. (2007). *The Brooklyn follies.* http://www.barnesandnoble.com/

[4]Akkurt I. (2022, October 28–31). Title of presented work  [Conference presentation abstract]. *9th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2022), Antalya-Turkey*. http://www.iccesen.org

[5]Austerlitz, S. (2015, March 3). *How long can a spinoff like ‘Better Call Saul’ last?* FiveThirtyEight. http://fivethirtyeight.com/features/how-long-can-a-spinoff-like-better-call-saul-last/