Journal of Material Characterization and Applications, Vol. **X**, No. X, pp XX-XX (202X)

JMCA TEMPLATE: AN INTRODUCTION AND GUIDE

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Received X October 202X; revised X0 December 202X; accepted XX December 202X

**Abstract**

The ZN-chopped strands compound formed in various weights, and epoxy resin were used to fabricate microwave shielding effectiveness composites. Utilizing a network analyser, the microwave shielding effect of ZN/chopped strands composites were investigated in the range of 0-18 GHz. At a thickness of 1.5 mm, a minimum of -XXX dB shielding efficacy value was achieved at XX GHz. The ZN-chopped strands compounds were produced as composite and their features were characterized for shielding effectiveness. The content of components in the samples may be managed for the larger and needed frequency bands to change the microwave shielding effect performance. The ZN-chopped strands compound formed in various weights, and epoxy resin were used to fabricate microwave shielding effectiveness composites. Utilizing a network analyser, the microwave shielding effect of ZN/chopped strands composites were investigated in the range of 0-18 GHz. At a thickness of 1.5 mm, a minimum of -XX dB shielding efficacy value was achieved at XXX GHz. The ZN-chopped strands compounds were produced as composite and their features were characterized for shielding effectiveness. The content of components in the samples may be managed for the larger and needed frequency bands to change the microwave shielding effect performance.

A concise English abstract (no more than 270 words), followed by a list of three to five keywords.

**Keywords:** keywords, separated by semicolons

# 1. Introduction

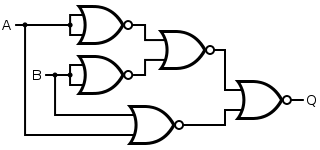
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*2.1. Design-1*

Figures must be placed beneath the image, and figures must be centered. Text width cannot be greater than image width. No text in an image may be larger than the paper's main body text. Figure 1 shows an illustration of this recommendation. Figures should be positioned as near to the text that references them as feasible, at the top or bottom of the page. Writers ought to refrain from utilizing figures on the opening page [7-8] (Figure 2).



# Fig. 1. Example of figure of a digital circuit.

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# Fig. 2. SEM image of ZN at x 5000.

**3. Tables**

# As shown in Table 1, tables have to be centered and captions placed above the table. Both vertically and horizontally, text in a cell should be centered. Similar to figures, tables ought to be positioned at the top or bottom of pages, as near as feasible, to the text that refers to them. Tables on the first page should not be included by authors.

# Table 1. Example of table.

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**4. Conclusions**

This composite’s shielding effect and reflection loss in higher frequency ranges may be investigated. Microwave shielding effect capabilities of chopped strands based ZN composites may be investigated for a larger range of constituent contributions. The chopped strands-ZN composite is a promising for microwave shielding throughout a broad frequency band. For future research, the synthesis of chopped strands with ZN composite composition can be researched in more depth with different additives and ratios. In order to improve the microwave shielding effect, chopped strand-ZN composite are being employed. In radar frequency and higher frequency ranges, the shielding effect and reflection loss of this composite with various dopants materials might be explored. Thanks to xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx and flexible structure and wide bandwidth.

# Acknowledgements (Sample)

In honor of Prof. Dr. Ayhan Mergen, who passed away in 2017, Mr. Salim Şahin (died in 2014) this work was made. For their assistance, we would like to thank Advanced Techology and Application Center at Adana Alparslan Türkes Science and Technology University. Besides, we would like to thank İstanbul Technical University Electrical-Electronics, Electronics and Communication Engineering, Marmara University Metallurgical and Materials Engineering.

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