



Title: Provide a concise, informative, specific, and relevant title that accurately reflects the content of the manuscript. Avoid unnecessary abbreviations and overly general titles.

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ABSTRACT

The abstract should be presented as a single paragraph and should not exceed 200 words. It should include the following elements:

Background: briefly describe the research problem, its significance, the existing knowledge gap, and the objective of the study;

Methods: summarize the analytical, numerical, computational, or experimental methods used;

Results: present the principal findings, including relevant quantitative results where appropriate;

Conclusions: state the main conclusions, scientific significance, and potential practical applications of the findings.

KEYWORDS

keyword 1; keyword 2; keyword 3 (List three to ten relevant keywords that accurately reflect the content of the article and are commonly used within the subject area.)

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1. Introduction

The introduction should briefly place the study within a broad scientific context and explain its importance. It should clearly define the research problem, the purpose of the study, and its scientific or practical significance. The current state of research should be critically reviewed, and relevant key publications should be cited. Conflicting findings, competing hypotheses, and unresolved issues should be discussed where appropriate. The introduction should conclude by clearly stating the main objective of the study and briefly indicating its principal contribution. As far as possible, the text should be comprehensible to researchers outside the authors' immediate field of specialization. References should be cited in numerical order, for example, a journal article [1], books [2,3], and other types of sources [4–6].

2. Methods

The methods should be described in sufficient detail to allow other researchers to reproduce the study and build upon the published results. Authors should clearly describe the analytical, numerical, computational, or experimental methods used, including the relevant models, materials, equipment, software, parameters, and procedures, where applicable. New methods should be described in detail, whereas well-established methods may be described briefly and supported by appropriate references.

For experimental studies, authors should report measurement uncertainty, calibration procedures, repeatability, sample size, and statistical methods, where applicable. For numerical or computational studies, authors should describe model verification and validation, convergence criteria, mesh or time-step independence, and relevant uncertainty or sensitivity analyses.

Authors should make the data, computer code, computational models, and experimental procedures supporting the reported results available where possible. Any legal, ethical, commercial, confidentiality, security, or third-party restrictions on access to materials or information should be disclosed at the submission stage.

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This section may be divided into subsections. The results should be presented clearly, concisely, objectively, and in a logical sequence. Authors should report the principal analytical, numerical, computational, or experimental findings, supported by figures and tables where appropriate. Results should not be unnecessarily repeated in the text, tables, and figures. Brief interpretation may be included where necessary, while detailed interpretation and comparison with previous studies should be provided in the Discussion section.

3.1. Subsection

The text continues here.

3.1.1. Subsubsection

The text continues here.

Bulleted lists should be formatted as follows:

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All figures and tables must be cited in numerical order in the main text, for example, Figure 1 and Table 1. Figures and tables should be placed as close as possible to their first citation in the text. Figure captions should be placed below the figures, whereas table captions should be placed above the tables.



Figure 1. Enter Caption.

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Entry 1	Data	Data
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Equations should be numbered consecutively using Arabic numerals in parentheses and cited in the text as Equation (1). An equation should be formatted as follows:

$$a = 1, \tag{1}$$

If an equation forms part of a sentence, the text may continue in the same paragraph. Equations should be punctuated as part of the sentence in which they appear.

Long equations should be divided at appropriate mathematical operators and aligned consistently:

$$a = b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z. \tag{2}$$

Theorem-type statements, including definitions, propositions, lemmas, and corollaries, should be numbered consecutively and formatted consistently.

Theorem 3.1 *State the theorem here.*

Proof. Provide the proof here.
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□

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Authors should interpret the results in relation to the objectives of the study, the research questions or hypotheses, where applicable, and previously published findings. The discussion should explain the scientific and practical significance of the results, identify agreements or differences with previous studies, and consider possible reasons for these differences. The strengths and limitations of the study should also be addressed where appropriate. Future research directions may be outlined.

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u, v, w	displacement components (m)	E	elastic modulus (Pa)
θ_x, θ_y	rotations about x and y axes (rad)	E_m, E_c	metal and ceramic elastic moduli (Pa)
h	plate thickness (m)	n	material gradient index (-)
ρ	density (kg/m ³)	FSDT	first-order shear deformation theory
FGM	functionally graded material	FEM	finite element method

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