



TITLE OF THE EXTENDED ABSTRACT

S. Engin KILIÇ, *engin.kilic@metu.edu.t*, Middle East Technical University, 06800, Ankara, Türkiye

Mustafa Cemal ÇAKIR, *cemal@uludag.edu.tr* Bursa Uludağ University, 16059, Bursa, Türkiye

ABSTRACT

[Write a structured extended abstract of maximum two pages, including references, tables and figures if any. The text should be scientifically complete enough for review and abstract-book publication. Extended abstracts will be published only in the Abstract Book and will not be included in the Conference Proceedings.]

Keywords: keyword 1, keyword 2, keyword 3, keyword 4, keyword 5

1. INTRODUCTION AND OBJECTIVE

[Briefly define the research/application problem, motivation, novelty, and objective. State the research question or design/manufacturing need addressed by the study.]

2. METHODOLOGY

[Describe the materials, data, design procedure, experimental setup, modelling/simulation approach, optimization method, validation strategy, or case-study workflow. Include the variables, boundary conditions, evaluation criteria, and analysis steps needed to understand how the results were obtained.]

3. RESULTS AND OUTPUTS

[Present the principal findings, quantitative/qualitative results, prototype/design outputs, performance indicators, validation outcomes, or industrial/application outputs. Use one compact table or figure only if it clearly improves scientific clarity.]

4. CONCLUSION AND CONTRIBUTION

[Summarize the main conclusion, original contribution, limitations if relevant, and practical/scientific implications for machine design and production.]

REFERENCES

1. **Ritchie, G.S. (1983)**, "Nonlinear Dynamic Characteristics of Finite Journal Bearing", Trans. ASME, J. Lub. Tech., Vol.1, No.3, pp 375-376.
2. **Kincaid, D. and Cheney, W., (1991)**, Numerical Analysis, Brooks/Cole Publ. Com., Pacific Grove, California.



The 21st International Conference on Machine Design and Production
August 19-21, 2026, Istanbul, Türkiye

3. **Erda , G., (1983)**, "Free Vibration Analysis of Beams and Plates Using Finite Element Method", M. Sc. Thesis , METU Mech. Eng. Dept., Ankara.
4. **Ulukan, L., (1984)**, "Konstrüksiyon Tekniği Kontrüksiyon Bilimi", Proceedings of 1st National Machine Design & Prod. Congress, Ankara, pp 1-14.