**Reviewer 3**

**Corrections by Authors**

Title: **Dynamic Analysis of Viscoelastic Circular Diaphragm of a MEMS Capacitive Pressure Sensor using Modified Differential Transformation Method**

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| **Reviewer 3** | **Actions and Response by Authors** |
| 1. In abstract section, it is better to represent some of the most important quantitative results. | **The ABSTRACT has been reconstructed.**  See the yellow highlights in the Abstract  See the new MANUSCRIPT |
| 1. In abstract section it is noted that "The effects of various parameters of the diaphragm ..." it is suggested to indicate some of the most important parameters which are considered. | **The ABSTRACT has been reconstructed.**  See the yellow highlights in the Abstract  See the new MANUSCRIPT |
| 1. There are some inappropriate collocations, such as before now, that must be edited. | The Manuscript has been rewritten to correct the inappropriate collocations  See the new MANUSCRIPT |
| 1. In the last paragraph of introduction section, the novelty and importance of the study must be indicated. In addition, the differences between the current study and previous ones should be highlighted. | The **INTRODUCTION** has been reconstructed.  See the new MANUSCRIPT |
| 1. Define all of the variables used in the equations where they are used for the first time. | It has been done  The variables have been defined when they are first used.  See the new MANUSCRIPT |
| 1. Indicate the reasons for selection of the applied methods for solving the problem. | The Modified Differential Transform Method (MDTM) is an effective approximate analytical method for solving both Linear and Nonlinear differential Equations.  It is applied to obtain solutions where DTM shows slowed convergent rate and may oscillate.  It has been shown in the Introduction Chapter of the Manuscript  See the new **MANUSCRIPT** |
| 1. The conclusion section should be numbered | The CONCLUSION is now number  See the new **MANUSCRIPT** |
| 1. Add more references from KIJOMS | The **MANUSCRPIT** has been reviewed and the **REFERENCES** list has been updated to accommodate the new appropriate references  See Papers 13 - 19  In addition, the Authors’ Instructions for submission of **MANUSCRIPT** requires that the number of pages of the manuscript **MUST NOT BE MORE THAN 15 pages**.  See the new **MANUSCRIPT** |
| 1. There are some relevant references that can be added to improve the literature review as follows: "Blade synchronous vibration measurements of a new upgraded heavy duty gas turbine MGT-70(3) by using tip-timing method". doi.org/10.1016/j.mechrescom.2020.103484 "Flutter speed estimation using presented differential quadrature method formulation".   doi.org/10.1080/19942060.2019.1627676 "Identification of nonlinear normal modes for a highly flexible beam".  doi.org/10.1016/j.aej.2020.03.004 "Aeromechanical optimization of first row compressor test stand blades using a hybrid machine learning model of genetic algorithm, artificial neural networks and design of experiments". doi.org/10.1080/19942060.2019.1649196 | See number 8 comment |