C.V. Mohammed Sobhy

Personal data:

Name: Mohammed Sobhy Abdelghaffar Khedr

Nationality: Egyptian

Birthday: 29/07/1978

Permanent Address: Department of Mathematics, Faculty of Science, Kafrelsheikh University, Kafrelsheikh 33516, Egypt.

Current Address: Department of Mathematics and Statistics, Faculty of Science, King Faisal University, P.O. Box 400, Hofuf 31982, Saudi Arabia.

Emails: msobhy2011@gmail.com msobhy@kfu.edu.sa

Database	ID	URL
ORCID	**0000-0002-5999-2169**	http://orcid.org/0000-0002-5999-2169
Scopus ID	**35148384600**	https://www.scopus.com/authid/detail.uri?authorId=35148384600
ResearcherID	**G-3343-2016**	http://www.researcherid.com/rid/G-3343-2016
Google Scholar	https://scholar.google.com.eg/citations?user=nXTi5psAAAAJ&hl=en	
Citations	886	
H-Index	18	

Qualifications:

1. Bachelor of Science and Education, Mathematics, Faculty of Education, Tanta University, Kafr El-Sheikh branch, May 2001 (Very good grade "Honors").
2. General Diploma for Teacher Preparation in Mathematics, Faculty of Education, Tanta University, Kafr El-Sheikh Branch, October 2002. (Good grade //)
3. Bachelor of Science - Mathematics - Faculty of Science - Tanta University - May 2004. (Very good grade "Honors")
4. Master of Science in Mathematics - Applied Mathematics - Faculty of Science - Tanta University - November 2007.

Thesis title: The collapse of vapour bubbles in the mixture of two phases.

5. Doctor of Philosophy in Science - Applied Mathematics - Faculty of Science - Mansoura University - June 2011.

Thesis title: Bending of an inhomogeneous visco-elastic laminated plate resting on an elastic foundation.

EMPLOYMENT:

1. Demonstrator, Mathematics Department, Faculty of Education, Kafr El-Sheikh, Tanta University, 2002-2007.
2. Assistant Lecturer, Department of Mathematics, Faculty of Science, Kafrelsheikh University, 2007-2011.
3. Lecturer, Mathematics Department, Faculty of Science, Kafrelsheikh University, June 2011-July 2017.
4. Associated Professor, Mathematics and Statistics Department. College of Science. King Faisal University: January 2017 - to now.

5. Assistant Professor, Department of Mathematics, Faculty of Science, Kafrelsheikh University, July 2017-to now.

LIST OF PUBLICATIONS:

1- A.M. Zenkour, **Mohammed Sobhy**: Thermal buckling of various types of FGM sandwich plates. *Composite Structure* **[Impact factor 3.318]** 93 (2010) 93-102.

2- A.M. Zenkour, M.N.M. Allam, **Mohammed Sobhy**: Bending analysis of FG viscoelastic sandwich beams with elastic cores resting on Pasternak's elastic foundations. *Acta Mechanica* **[Impact factor 1.465]** 212 (2010) 233-252.

3- A.M. Zenkour, M.N.M. Allam, **Mohammed Sobhy**: Effect of transverse normal and shear deformations on a fiber-reinforced viscoelastic beam resting on two-parameter elastic foundations. *International Journal Applied Mechanics* **[Impact factor 1.642]** 2 (2010) 87-115.

4- A.M. Zenkour, M.N.M. Allam, **Mohammed Sobhy**: Bending of a fiber-reinforced viscoelastic composite plate resting on elastic foundations. *Archive Applied Mechanics* **[Impact factor 1.114]** 81 (2011) 77-96.

5- A. M. Zenkour and **Mohammed Sobhy**: Thermal buckling of functionally graded plates resting on elastic foundations using trigonometric theory. *Journal of Thermal Stresses* **[Impact factor 1.169]** 34 (2011) 1119-1138.

6- A. M. Zenkour and **Mohammed Sobhy**: Elastic foundation analysis of uniformly loaded functionally graded viscoelastic sandwich plates. *Journal of Mechanics* **[Impact factor 0.58]** 28 (2012) 439-452.

7- **Mohammed Sobhy**: Buckling and free vibration of exponentially graded sandwich plates resting on elastic foundations under various boundary conditions. *Composite Structure* **[Impact factor 3.318]** 99 (2013) 76-87.

8- A.M. Zenkour and **Mohammed Sobhy**: Dynamic bending response of thermoelastic functionally graded plates resting on elastic foundations. *Aerospace Science and Technology* **[Impact factor 0.940]** 29 (2013) 7-17.

9- A.M. Zenkour and **Mohammed Sobhy**: Nonlocal elasticity theory for thermal buckling of nanoplates lying on Winkler–Pasternak elastic substrate medium. *Physica E* **[Impact factor 2.000]** 53 (2013) 251–259.

10- E.O. Alzahrani, A.M. Zenkour and **Mohammed Sobhy**: Small scale effect on hygro-thermo-mechanical bending of nanoplates embedded in an

elastic medium. *Composite Structure* **[Impact factor 3.318]** 105 (2013) 163–172.

11- **Mohammed Sobhy**: Thermomechanical bending and free vibration of single-layered graphene sheets resting on elastic foundations. *Physica E* **[Impact factor 2.000]** 56 (2014) 400-409.

12- **Mohammed Sobhy**: Generalized two-variable plate theory for multi-layered graphene sheets with arbitrary boundary conditions. *Acta Mechanica* **[Impact factor 1.465]** 225 (2014) 2521-2538.

13- **Mohammed Sobhy**: Natural frequency and buckling of orthotropic nanoplates resting on two-parameter elastic foundations. *Journal of Mechanics* **[Impact factor 0.58]** 30(5) (2014) 443-453.

14- **Mohammed Sobhy** and A. M. Zenkour: Thermodynamical bending of FGM sandwich plates resting on Pasternak's elastic foundations. *Advances in Applied Mathematics and Mechanics* **[Impact factor 0.645]** 7(1), (2015), 116-134.

15- **Mohammed Sobhy**: Levy-type solution for bending of single-layered graphene sheets in thermal environment using the two-variable plate theory. *International Journal of Mechanical Sciences* **[Impact factor 2.034]** 90, (2015), 171-178.

16- A.M. Zenkour, **Mohammed Sobhy**: A simplified shear and normal deformations nonlocal theory for bending of nanobeams in thermal environment. *Physica E* **[Impact factor 2.000]** 70, (2015), 121-128.

17- **Mohammed Sobhy**: Hygrothermal deformation of orthotropic nanoplates based on the state-space concept. *Composites Part B* **[Impact factor 2.983]** 79, (2015), 224-235.

18- **Mohammed Sobhy**: A comprehensive study on FGM nanoplates embedded in an elastic medium. *Composite Structure* **[Impact factor 3.318]** 134, (2015), 966-980.

19- **Mohammed Sobhy**: Thermoelastic response of FGM plates with temperature-dependent properties resting on variable elastic foundations. *International Journal of Applied Mechanics* **[Impact factor 1.624]** 7(06), (2015), 1550082**.**

20- **Mohammed Sobhy:** Hygrothermal vibration of orthotropic double-layered graphene sheets embedded in elastic medium using the two-variable plate theory. *Applied Mathematical Modelling* **[Impact factor 2.251]** 40, (2016), 85-99.

21- **Mohammed Sobhy**: An accurate shear deformation theory for vibration and buckling of FGM sandwich plates in hygrothermal environment. *International Journal of Mechanical Sciences* **[Impact factor 2.034]** (2016) 110, 62-77.

22- D.S. Mashat, A.M. Zenkour and **Mohammed Sobhy**: Investigation of vibration and thermal buckling of nanobeams embedded in an elastic medium under various boundary conditions. *Journal of Mechanics* **[Impact factor 0.58]** (2016) 32(03), 277-287.

23- **Mohammed Sobhy** and A.F. Radwan: A new quasi 3-D nonlocal hyperbolic plate theory for vibration and buckling of FGM nanoplates. *International Journal of Applied Mechanics* **[Impact factor 1.954]** (2017) 9(01), 1750008.

24- **Mohammed Sobhy**: Hygro-thermo-mechanical vibration and buckling of exponentially graded nanoplates resting on elastic foundations via nonlocal elasticity theory. Structural Engineering and Mechanics **[Impact factor 1.118]** (2017) 63(3), 401–415.

25- **Mohammed Sobhy** and A.M. Zenkour: Thermal buckling of double-layered graphene system in humid environment. *Materials Research Express* **[Impact factor 1.068]** (2018) 5(1), 015028.

26- A.M. Zenkour and **Mohammed Sobhy**: Nonlocal piezo-hygro-thermal analysis for vibration characteristics of piezoelectric Kelvin-Voigt viscoelastic nanoplates embedded in a viscoelastic medium. *Acta Mechanica* **[Impact factor 1.851]** (2018) 229(1), 3-19.

27- M.A. Abazid and **Mohammed Sobhy**: Thermo-electro-mechanical bending of FG piezoelectric microplates on Pasternak foundation based on a four-variable plate model and the modified couple stress theory. *Microsystem Technologies* **[Impact factor 1.195]** (2018) 24(2), 1227-1245.

28- A. F. Radwan and **Mohammed Sobhy:** A nonlocal strain gradient model for dynamic deformation of orthotropic viscoelastic graphene sheets under time harmonic thermal load. *Physica B: Condensed Matter*, **[Impact factor 1.386]** (2018), 538, 74–84.

29- M.A. Abazid, M. S. Alotebi and **Mohammed Sobhy**: A novel shear and normal deformation theory for hygrothermal bending response of FGM sandwich plates on Pasternak elastic foundation. *Structural Engineering and Mechanics*, **[Impact factor 2.191]** (2018), 67(3), 219-232.

30- **Mohammed Sobhy** and M. S. Alotebi: Transient Hygrothermal Analysis of FG Sandwich Plates Lying on a visco-Pasternak Foundation via a Simple and Accurate Plate Theory. *Arabian Journal for Science and Engineering*, **[Impact factor 1.092]** (2018) https://doi.org/10.1007/s13369-018-3142-1.

31- **Mohammed Sobhy** and A.M. Zenkour: The modified couple stress model for bending of normal deformable viscoelastic nanobeams resting on visco-Pasternak foundations. *Mechanics of Advanced Materials and*

Structures, **[Impact factor 2.645]** (2018) https://doi.org/10.1080/15376494.2018.1482579 .

32- **Mohammed Sobhy** and A.M. Zenkour: A comprehensive study on the size-dependent hygrothermal analysis of exponentially graded microplates on elastic foundations. *Mechanics of Advanced Materials and Structures*, **[Impact factor 2.645]** 2018, (Accepted).

33- **Mohammed Sobhy:** Magneto-electro-thermal bending of FG-graphene reinforced polymer doubly-curved shallow shells with piezoelectromagnetic faces. *Composite Structures* **[Impact factor 4.101]** (2018) https://doi.org/10.1016/j.compstruct.2018.07.056 .

34- **Mohammed Sobhy** and A.M. Zenkour: Nonlocal thermal and mechanical buckling of nonlinear orthotropic viscoelastic nanoplates embedded in a visco-pasternak medium. *International Journal of Applied Mechanics* **[Impact factor 1.954]** 2018, Accepted.