Dr. Saira Javed

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Aspiring for career enriching education level as Assistant Professor preferably in University.

Location Preference: Saudi Arabia

PROFESSIONAL PROFILE

- A goal-driven professional **with 3 years of teaching experience of mathematics and 4 years** of relevant experience in project work related to Ph. D. Moreover **1-year experience of Postdoctoral Research**
- **Presently associated with Aljouf University as Assistant Professor (Mathematics) since 2016 to present.**
- **Previously associated with Universti, Teknologi Malaysia (*UTM Centre for Industrial and Applied Mathematics (UTM-CIAM), Department of Mathematical Sciences, Faculty of Science*) as a Postdoctoral Research Fellow.**
- Fair understanding of monitoring project work and guiding Ph. D students in their research projects

WORKING EXPERIENCE

- Assistant Professor Mathematics at Aljouf University since 2016 to present.
- Postdoctoral research fellow at University Teknologi Malaysia from 1st Dec 2014 to 30th Nov 2015.
- Visiting researcher from 1st Nov 2014 to 30th Nov 2014 in Universiti Teknologi Malaysia.

- Research assistant from 2011 to 2012 in Universiti Teknologi Malaysia.

- Taught mathematics to 'O' level classes at Beachon house school system Bahawalpur *from Sep. 2002 to Nov.* 2002.

- Taught mathematics at Bouyage high School Bahawalpur *from Nov. 2002 to Mar.* 2003.

- Taught mathematics at Bahria Foundation College Lahore *from Sep. 2003 to Sep.* 2005.

- Taught mathematics at Mus'ab school system Lahore *from Oct. 2005 to Oct.* 2006.

Achievements

- Already published 6 impact factor papers and achieved 14.585 impact factor with three Q1 journals, two Q2 and one Q3 journal for year 2016.
- Achieved 7 impact factor with two Q1 journals for year 2015.
- Three impact factor papers are under review.

ACADEMIC & CREDENTIALS

- **Ph. D (Applied Mathematics)** from Universiti Teknologi Malaysia in 2014.
- **B. Ed** from Alama Iqbal Open University Islamabad, Pakistan in 2006.
- **M Sc. (Mathematics)** from Islamia University, Bahawalpur, Pakistan in 2001with **1st Division.**
- **B Sc. (Double Maths & Stats)** from Govt. Degree College for Women, Bahawalpur, Pakistan in 1999 with **1st Division.**
- **F Sc. (Pre Medical)** from Govt. Degree College for Women, Bahawalpur Pakistan in 1997 with **1st Division.**
- **Matriculation (Science)** from Dominican Convent School Bahawalpur, Pakistan in 1995 with **A+ grade.**

Other Qualification:

- **Taken** courses of C++ and Matlab.

IT SKILLS

- MS office tools (Word, excel and power point)
- Internet applications.

ACADEMIC PROJECTS

- Completed number of projects related to Ph. D research work.

RESEARCH PUBLICATION

Research publication

1. Saira, J. Viswanathan, K. K., Nurul Izyan M. D., Zainal, A. A. and Lee, J. H., (2017) Free vibration of cross-ply laminated plates based on higher order shear theory. *Steel and Composite Structures*, Vol. 26(4), pp. 473-484. (IF. 3.198) (Q1).
2.
3. Saira, J. Viswanathan, K. K., Zainal, A. A., Karthik K., and Lee, J. H., (2016) Vibration of antisymmetric angle-ply laminated plates under higher order shear theory. *Steel and Composite Structures*, Vol. 22(6), pp. 1281-1299. (IF. 3.198) (Q1).

4. Saira, J. Viswanathan, K. K., and Zainal, A. A. (2016) Vibration analysis of anti-symmetric angle-ply shear deformable conical shells with sinusoidal thickness variation. *Structural Engineering and Mechanics (Techno Press).* Vol. 58, No.6. 1001-1020. (IF: 1.118) (Q3)

5. Saira, J., Viswanathan, K.K., and Zainal, A. A. (2016). Free vibration of anti-symmetric angle -ply plates of variable thickness. *Composite structures.* Vol. 137, 56-69. *(Elsevier).* (IF: 3.858) (Q1)

6. Saira, J., Viswanathan, K.K., and Zainal, A. A. (2016).Free vibration analysis of composite cylindrical shells with non-uniform thickness wall, Steel and Composite Structures, Vol. 20(5), pp. 1087-1102. (IF. 3.198) (Q1).

7. Viswanathan, K.K., Saira, J. (2016). Free vibration of anti-symmetric angle-ply cylindrical shell walls using first-order shear deformation theory *J. of Vibration and Control (Sage).* Vol. 22(7), 1757-1768. (IF. 2.101) (Q2)

8. Viswanathan, K. K., Aziz, Z. A., Javed, S., Salleh, S., Tumiran, S. A. B., & Sivakumar, B. (2016). Free vibration of cross-ply laminated plates with variable thickness including shear deformation. *Int. J. of computational methods.* Vol. 13, No. 03. (IF: 1.053) (Q2)

9. Viswanathan, K.K., Saira, J. Prabakar K., Aziz Z.A., Izliana A.B. (2015). Free vibration of anti-symmetric angle-ply laminated conical shells. *Composite structures.* Vol. 122: 488-495. *(Elsevier).* (IF: 3.858) (Q1)

10. Viswanathan, K.K., Saira, J. and Zainal, A.A. (2015). Free vibration of symmetric angle-ply laminated annular circular plate of variable thickness under shear deformation theory. *Meccanica.* Vol. 50:3013–3027 . *(Springer)* (IF: 2.196) (Q1)

11. Viswanathan, K.K., Zainal, A.A., Saira J., and Yaacob, Y. (2015). Free vibration of symmetric angle ply truncated conical shells under different boundary conditions using spline method. *Journal of Mechanical Science and Technology.* Vol. 29 (5): 2073-2080 *(Springer).* (IF: 1. 128) (Q3)

12. Viswanathan, K.K., Saira, J. and Zainal, A.A. (2013). 'Free vibration of symmetric angle-ply layered conical shell frusta of variable thickness under shear deformation theory'. *Structural Engineering and Mechanics (Techno Press).* Vol. 45, No.2. 259-275. (IF: 1.118) (Q3)

13. 'Free vibration analysis of symmetric angle-ply laminated conical shell with sinusoidal variation in thickness' was presented in "2014 The 4th International Workshop on Computer Science and Engineering-Winter (WCSE 2014)" held on 26-28 Dec 2014 in Hong Kong. (Scopus)

14. Viswanathan, K.K., Saira, J. and Zainal, A.A. (2013). 'Free vibration of anti-symmetric angle-ply laminated annular circular plate' *Lecture notes in Engineering and Computer Sciences*. Vol. 3, pp. 2136-2141. (Scopus)

15. Viswanathan, K.K, Farah Syazwan M.S., Mohamad M.N., Saira J., Lee J.H. (2013). 'Free vibration of symmetric angle-ply laminated annular circular plates. *Int. J. Eng. and Technology*. Vol. 5, No. 4. 3554-3569. (Scopus)

16. Viswanathan, K.K., Saira, J. and Zainal, A.A. Hussain, I. (2011). 'Free vibration of symmetric angle-ply laminated cylindrical shells of variable thickness including shear deformation theory: spline method'. *Int. J. Physical Sciences*. Vol. 6(25): 6098-6109.

17. Free vibration of symmetric angle-ply layered conical shell frusta of variable thickness under shear deformation theory' which is presented in "The 19th international congress on sound and vibration held on 8-12 July, 2012 in Vilnius, Lithuania." (Scopus)

18. 'Free vibration of symmetric angle-ply laminated circular cylindrical shells' presented in "The International Conferences on Geological, Geographical, Aerospace and Earth Sciences held in Jakarta-Indonesia on 23rd December 2013. (Scopus)

Book Chapter

Viswanathan, K. K., Saira, J. (2014) "Vibration Analysis of Anti-symmetric Angle-ply Laminated plates" *Advances in Industrial & Applied Mathematics.*

Communicated and under reviewed papers

1. Saira, J. Viswanathan, K. K., and Zainal, A. A. Free vibration analysis of anti-symmetric angle-ply plates under higher order shear deformation theory. *Computational Mechanics (Springer)*. (IF: 2.525)

2. Saira, J. Viswanathan, K. K., and Zainal, A. A. Free vibration of composite plates under higher order shear deformation theory. *J. of Vibration and Control (Sage)*. (IF: 4.355)

3. Saira, J., Viswanathan, K. K., and Zainal, A. A. Vibration of composite annular circular plate with antisymmetric angle-ply orientation. *Int. J. Mechanics and Materials in Design. (Springer)*. (IF: 1.196)

Conferences papers

1. 'Free vibration of composite conical shell frusta under higher order shear theory using splines' was presented in '2nd International conference on Mechanics of composites (MECHCOMP2)', held in University of Porto, Portugal held on 11-14 July 2016.

2. 'Free vibration of angle-ply conical shells with linear thickness variation' presented in 'The 22nd International Congress on Sound and Vibration 12-16 July 2015, Florence, Italy. (Scopus)

3. 'Free vibration analysis of symmetric angle-ply laminated conical shell with sinusoidal variation in thickness' was presented in "2014 The 4th International Workshop on Computer Science and Engineering-Winter (WCSE 2014)" held on 26-28 Dec 2014 in Hong Kong. (Scopus)

4. 'Free vibration of symmetric angle-ply layered truncated conical shells under classical theory' Presented in "Global Academic Network Conference, in Dubai during 12-15 February 2014.

5. 'Free vibration of anti-symmetric angle-ply laminated conical shells including shear deformation theory' will be presented in "1st International Conference on Mechanics of Composites" will held in Stony Brook University, USA during 8-12 June 2014.

6. 'Free vibration of anti-symmetric angle-ply laminated annular circular plate' Presented in "World Congress on Engineering (WCE 2013)" held during 3-5 July 2013 in London, U.K.

7. 'Free vibration of symmetric angle-ply laminated annular circular plate of variable thickness under shear deformation theory.' Presented in "The 17th Asian Technology Conference in Mathematics (ATCM 2012) held in Bangkok, Thailand during December 16-20 of 2012."

8. 'Women Education Concept in Islam and West' presented in "2nd conference Fiqh in Science & Technology" held on 3rd and 4th Dec 2011 in Universti Teknologi Malaysia.

9. 'Free vibration of symmetric angle-ply laminated cylindrical shells of variable thickness including shear deformation theory: spline method.' Presented in "The 7th East Asia SIAM Conference & RIMS Workshop on Methods in Industrial and Applied Mathematics EASIAM 2011, Kitakyushu Campus, Waseda University, Japan. June 27-29, 2011."

ON GOING RESEARCH PROJECTS

- Three research papers based on free vibration of anti-symmetric angle conical shells and cylindrical shells are under process for publication in international refereed journals.
- Research work on free vibration of plates and shells under higher order shear deformation theory are under process.

WORKSHOPS/SEMINARS/CONFERENCES

Attended many national/international seminars, workshops and conferences to update my knowledge and to be aware of the current challenges and opportunities in mathematics and engineering field.

HIGHLIGHTS

- Published twelve papers in international refereed journals with 10 impact factor.
- Six papers are under review of different international journals.
- Having eight papers which have been presented in international conferences.
- In Matriculation Examination securing 80% Marks.
- Taken courses of C++ and Matlab.
- Working experience of MSWORD, Power Point Presentation.
- Working on Mathematica software

AREAS OF INTEREST

- Applied Mathematics
- Numerical Analysis
- Differential Equations
- Calculus
- Algebra
- Solid Mechanics
- Theory of Elasticity
- Theory of Plates
- Theory of Shells

Membership

Member of **IAAM (International Association of Advanced Materials) Membership number (79872923462)**

PERSONAL SNIPPETS

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No. of Dependents:	Three

REFERENCES

Reference will be provided on demand.