

***List of research publications and conferences attended
(Dr. Syed Ahmed Shah)***

- Papers published :
1. "Circumferential waves of infinite hollow poroelastic cylinders"
Trans.ASME.J.Appl.Mech., (2006). Vol.73, pp.705-708.
 2. "On torsional vibrations of infinite hollow poroelastic cylinders"
Journal of Mechanics of Materials and Structures., (2007). Vol.2,
pp.189-200.
 3. "Axially symmetric vibrations of fluid-filled poroelastic circular
cylindrical shells"
Journal of Sound and Vibration., (2008). Vol.318, pp.389-405.
 4. "Axially symmetric vibrations of finite composite poroelastic
cylinders"
International Journal of Applied Mechanics and Engineering.,
(2009). Vol.14, pp. 865-877.
 5. "On Flexural vibrations of poroelastic circular cylindrical shells
immersed in an acoustic medium"
*Special Topics & Reviews in Porous Media-An International
Journal.*, (2010). Vol.1, pp. 67-78.
 6. "Radial vibrations of thick-walled hollow poroelastic cylinders"
Journal of Porous Media., (2010). Vol.13, pp. 307-318.
 7. "Longitudinal shear vibrations of hollow poroelastic cylinders"
Bulletin of Calcutta Mathematical Society., (2010). Vol.102,
pp.289-298.
 8. "Dispersion of waves in an infinite poroelastic plate immersed in an
inviscid elastic fluid"
*Special Topics & Reviews in Porous Media - An International
Journal.*, (2010). Vol.1, pp. 269-278.
 9. "Torsional vibrations of infinite composite poroelastic cylinders"
International Journal of Engineering, Science and Technology.,
(2010). Vol.2, No.6, pp.150-161.

10. “Three dimensional vibration analysis of an infinite poroelastic plate immersed in an inviscid elastic fluid”
International Journal of Engineering, Science and Technology, (2011). Vol.3, No.2, pp.1-11.
(Special Issue on “Continuum Mechanics and Earthquake Seismology”)
11. “Longitudinal shear vibrations of composite poroelastic cylinders”
International Journal of Engineering, Science and Technology, (2011). Vol.3, No.2, pp.22-33.
(Special Issue on “Continuum Mechanics and Earthquake Seismology”)
12. “Torsional vibrations of poroelastic prolate spheroids”
International Journal of Applied Mechanics and Engineering, (2011). Vol.16, pp.521-529.
13. “Torsional vibrations of thick-walled hollow poroelastic spheres”
Bulletin of Calcutta Mathematical Society, (2011). Vol.103, pp.161-170.
14. “Flexural wave propagation in coated poroelastic cylinders with reference to fretting fatigue” *Journal of Vibration and Control*, (2011). Vol.17, pp.1049-1064.
15. “On axially symmetric vibrations of fluid filled poroelastic spherical shells”
Open Journal of Acoustics, (2011). Vol.1, pp.15-26.
16. “Dispersion of waves in coated poroelastic circular cylinders”
International Journal of Applied Mechanics and Engineering, (2012). Vol.17, pp. 213-231.
17. “Radial vibrations of an infinitely long poroelastic composite hollow circular cylinder”
International Journal of Engineering, Science and Technology, (2012). Vol.4, pp. 17-33.
18. “Vibration analysis of an infinite poroelastic circular cylindrical shell immersed in fluid”
Open Journal of Acoustics, (2012). Vol.2, pp. 86-93.
19. “Vibration analysis of poroelastic composite hollow sphere”
Acta Mechanica, (2013). Vol.224, pp.327-341.

20. "Vibrations in a fluid-loaded poroelastic hollow cylinder surrounded by a fluid in plane-strain form"
International Journal of Applied Mechanics and Engineering,
(2013). Vol.18, pp. 189-216.
21. "A study on plane-strain vibrations in a poroelastic composite hollow cylinder"
Journal of Vibration Analysis, Measurement, and Control,
(2013). Vol.1, pp. 1-28.
22. "Vibration analysis of fluid loaded poroelastic hollow sphere surrounded by another fluid"
International Journal of Applied Mathematics and Mechanics,
(2013). Vol.9, issue-6, pp.14-34.
23. "Phase velocity and attenuation of longitudinal shear vibrations of hollow poroelastic cylinders"
International Journal of Applied Mechanics and Engineering,
(2014). Vol.19, issue-2, pp.337-346.
24. "Analysis of radial vibrations of poroelastic circular cylindrical shells immersed in an acoustic medium"
International Journal of Engineering, Science and Technology,
(2014). Vol.6, No.5, pp.26-35.
25. "A study of vibrations in a composite poroelastic concentric cylinder"
Carribbean Journal of Science and Technology, (2015). Vol.3,
pp.805-831.
26. "Study of three dimensional propagation of waves in hollow poroelastic circular cylinders"
International Journal of Applied Mechanics and Engineering,
(2015). Vol.20, No.3, pp.565-587.
27. "The effect of rigidity on torsional vibrations in a two layered poroelastic cylinder"
International Journal of Advances in Applied Mathematics and Mechanics, (2015). Vol.3, No.1, pp.116-121.
28. "Torsional vibrations of circular poroelastic plates"
Journal of Physic: Conference Series (2015)
Volume 662, 012009.
29. "On propagation of Love Waves in an infinite transversely isotropic poroelastic layer"
Journal of Physic: Conference Series (2015), Volume 662, 012004.

30. “Analysis of flexural wave propagation in poroelastic composite hollow cylinder”
International Journal of Engineering, Science and Technology, (2016). Vol.8, No.1, pp.13-33.
31. “Guided circumferential waves in layered poroelastic cylinders”
International Journal of Applied Mechanics and Engineering, (2016). Vol.21. No.4. pp.933-950.
32. “Torsional vibrations of coated hollow poroelastic spheres ”
Open Journal of Acoustics, (2017). Vol. No.. pp..
33. “Effect of viscosity on waves propagating in a liquid loaded on Poroelastic layered half space”
(2017). Vol.. No..pp..
34. “A study on propagation of waves in a transversely isotropic poroelastic Layer bounded between two viscous liquids”
Open journal of Acoustics, (2019), Vol.09, No.01, pp.1-12
35. “Wave propagation in layered poroelastic cylinder in contact with Fluid ”
Journal of physics conference series ., (2019). Vol.1344, No.1. pp.012005
36. “Effect of imperfect bonding on torsional vibrations of composite Poroelastic cylinders effect of imperfect bonding on torsional Vibrations of composite poroelastic cylinders ”
AIP conference proceedings, (2020). Vol 2246. No 1.. pp
37. “Radial vibrations in a fluid loaded two layered poroelastic cylindrical Shell surrounded by a fluid ”
AIP confrence of proceedings., (2020). Vol.2246. No.1. pp..

Seminars attended:

1. National seminar on “Recent advances in Continuum Mechanics” (2004). Conducted by the *Department of Mathematics O.U-Hyd.* [Attended and presented paper entitled “Ring modes of hollow infinite poroelastic cylinders”].
2. “Indispensabilis Scientia” (2004). 2-Day seminar on Basic Sciences and Humanities. *MJCET-Hyd.*
3. “One day conference on significance of Mathematics in Engineering and Technology” (2005). *CBIT-Hyd.*

4. “National Seminar on Numerical Techniques” (2007). Conducted by the ***Department of Mathematics, College of Engineering, O.U-Hyd.***
5. “One-Day workshop on Applied Optics (AO-08)” (2008). ***DCET-Hyd.***

6. “International Conference on Recent Trends in Mathematics and its Applications” (2009).
Conducted by the ***Department of Mathematics JMI - New Delhi.***
[Presented a paper entitled “On radial vibrations of poroelastic circular cylindrical shells immersed in an acoustic medium].

7. “5th National Conference on Applicable Mathematics in Wave Mechanics and Vibrations ” (2010). Conducted by the ***Department of Mathematics, Kakatiya University - Warangal.***

Reviewed research articles for the journals

1. ***Special Topics and Reviews in Porous Media – An International Journal.***
2. ***Journal of Vibration and Control.***
3. ***International Journal of Engineering, Science and Technology.***
4. ***Journal of the Acoustical Society of America.***
5. ***Journal of Sound and Vibration.***
6. ***International Journal of Engineering Mathematics.***
7. ***Journal of Engineering Mechanics.***
8. ***Open Journal of Acoustics.***

(Dr. S. Ahmed Shah)