

# P.LathaMadhuri

## Curriculum Vitae

Department of Mathematics, Kakatiya University.

✉ lathamadhuri25@gamil.com

### Academic Qualification

- Ph.D.(Poroelasticity)  
Title of Thesis: Investigation of Waves in Various Poroelastic Layers, Half Spaces, and Solids.  
Supervisor: Prof. P. Malla Reddy, Kakatiya University, Warangal.
- M.Sc.(Applied Mathematics) with Second Division, Kakatiya University, Warangal.
- B.Sc.(Mathematics, Electronics, Computer Science) with First Division, Kakatiya University, Warangal.

### Teaching Experience

- Working as a faculty in the Department of Mathematics at Kakatiya University from 2016 to till date.

### Papers Presented

- Recent Advances in Solid Mechanics and Seismology International Academy of Physical Sciences (CONIAPS XXVII), Department of Mathematics, Kurukshetra University, Kurukshetra, October 26-28, 2021.
- International Conference on Mathematical Sciences and Applications (ICMSA-2019), Department of Mathematics, GITAM, Hyderabad, August 9-11, 2019.

### Conferences and Work Shops Attended

1. Basic Author Workshop Research Article Writing and Reference Management Using Mendeley, Faculty of Science, Annamalai University, Tamil Nadu, June 22, 2020.
2. Development Programme on LaTeX and Technical Report Writing, Department of Mathematics, Kakatiya University, Warangal, May 25-30, 2020.
3. National Webinar on Fluid Dynamics, Department of Mathematics and Statistics, Manipal University, Jaipur, 23 June, 2020.
4. Orientation Program on Research Methodology for Science Research Scholars, Faculty of Science, Kakatiya University, Warangal, Feb 26-28, 2019.

5. Matrix Computation and Numerical Techniques in Science and Engineering, TEQUIP-III, NIT, Warangal, 29 Oct- Nov 02, 2018. Academic mentor for the batch of 2013 students.

## Publications

1. Poonem Latha Madhuri, Malla Reddy Perati, Investigation of torsional waves in fibre reinforced medium embedded between poroelastic medium and poroelastic half space under gravity, *Advances and Applications in Mathematical Sciences*, Vol. 22(4), pp. 825-836, 2023.
2. Poonem Latha Madhuri, Rajitha Gurijala, Sindhuja Ala, Malla Reddy Perati, Initial stress and heterogeneity effects on torsional waves in dry sand halfspace between reinforced halfspace and poroelastic medium, *Engineering Computations*, SCI Indexed, Impact Factor 1.6, <https://doi.org/10.1108/EC-04-2021-0212>, 2021.
3. Poonem Latha Madhuri, Rajitha Gurijala, Malla Reddy Perati, Study of vibrations in visco-poroelastic cylinder over a initially stressed heterogeneous layer, *AIP Conference Proceedings*, 2020, <https://doi.org/10.1063/5.0014980>.
4. Rajitha Gurijala, Poonem Latha Madhuri, Malla Reddy Perati, Study of waves in piezo-electric heterogeneous poroelastic layer over an initially stressed heterogeneous poroelastic half space, *IOSR Journal of Engineering*, Vol. 10(2), pp. 53-58, 2020.