RESUME

Name	Dr. Mini R S
Designation	Associate Professor
Department	Mechanical Engineering
Institution	College of Engineering Trivandrum
Years of Experience as Professor / Associate Professor / Asst. Professor or Equivalent (Please specify)	Assistant Professor- 13 years Associate Professor- 5 years
Total years of experience	18 years
Mobile No	9447512397
Email	rsmini@cet.ac.in
Year of award of Ph.D.	2016
Institution / University which awarded Ph.D	IIT Madras
Areas of Research interest: 1. Acoustics 2. Acoustofluidics 3. Material Characterisation 4. Non-destructive Testing 5. Machine Learning	
No .of Ph.D.s Produced / Guiding	1/2
No of M. Tech students guiding	3

No of papers published in last 5 years:	11

List of recent Publications which are relevant to the Area of Work of the Research Scholar	
1	JEA Qudeiri, A Abdudheen, RS Mini, M Ananthapadmanabhan, 2024, Numerical investigation on the wear characteristics of hip implant under static loading, Heliyon, 10 (2024) e26151
2	D S Govind Krishna, AL Parvathy, K Abhinav, M Ashidha, K Mahesh, RS Mini, 2024, Investigation on the Acoustic Performance of Micro-Perforated Panel Integrated Coiled-Up Space Acoustic Absorber, Eng. Proc. 2023, 59, 168
3	K Mahesh, SK Ranjith, RS Mini, 2024, Recent Advancements in Helmholtz Resonator Based Low-Frequency Acoustic Absorbers: A Critical Review, Archives of Computational Methods in Engineering, 1-29
4	Krishna, Damodaran Sanalkumar Govind, Parvathy Arun Leena, Abhinav Karottuthundathil, Ashidha Mohammed, Mahesh Kavungal, and Mini Rema Sahadevan, 2023, Investigation on the Acoustic Performance of Micro-Perforated Panel Integrated Coiled-Up Space Acoustic Absorber, *59*, 168.
5	R Rahul, N Prasad, RR Ajith, P Sajeesh, RS Mini, RS Kumar, 2023, A mould-free soft-lithography approach for rapid, low-cost and bulk fabrication of microfluidic chips using photopolymer sheets, Microfluidics and Nanofluidics, 78, 27 (11)
6	K Mahesh, PP Anoop, P Damodaran, SK Ranjith, RS Mini, 2023, Ultra-Low-Frequency Broadband Sound Absorption Characteristics of an Acoustic Metasurface with Pie-Sliced Unit Cells, Arabian Journal for Science and Engineering, 1-11
7	K Mahesh, SK Ranjith, RS Mini, 2023, A deep autoencoder based approach for the inverse design of an acoustic-absorber, Engineering with Computers, 1-22
8	K Mahesh, RS Mini, 2021, Theoretical investigation on the acoustic performance of Helmholtz resonator integrated microperforated panel absorber Applied Acoustics, 108012, 178
9	K Mahesh, RS Mini, 2021, Investigation on the acoustic performance of multiple Helmholtz resonator configurations, Acoustics Australia, 355-369, 49
10	K Mahesh, S Kumar Ranjith, RS Mini, 2021, Inverse design of a Helmholtz resonator based low-frequency acoustic absorber using deep neural network, Journal of Applied Physics 129 (17)
11	RS Mini, P Ravindran, CV Krishnamurthy, K Balasubramaniam, 2020, Experimental and numerical investigation of second harmonic generation by creep induced micro-voids, Experimental Mechanics, 1017-1032, 60

Funded Projects					
Sl. No	Title	Funding Agency	Amount	Year of sanctioning	Status
1	MODROB - metallurgy lab	AICTE	19,00,000	2017-18	Completed
2	Design and development of a nanoparticle separator using Acoustofluidics	AICTE-RPS	23,23,500	2021-22	Ongoing

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