

Profile

Name of the Faculty	Dr. SK. Mahammad Ali	
Designation	Associate Professor	
Department	FE	
Area of Interest	Ultrasonics and Material Physics	
Subjects Taught	Engineering Physics, Applied Physics, Semiconductor Devices and Solid State Physics	
JNTUH Registration Id	50150401-104829	
College Staff Code	SC0729	
Official Mail	Alishaike.fe@gcet.edu.in	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Ultrasonics	JNTUH	2016
2	MSc	Space Physics	Andhra University	1999
3	BSc	Physics (Honers)	Berhampur University	1997

Publications Details :

S No.	Title of the paper	Journal Name	DOI	Year	Indexing
1	Elastic Properties of Commonly used Vegetable Oils – An Ultrasonic study	ISST Journal of Applied Physics		January- June 2014	
2	Attenuation of Ultrasound in commonly used Vegetable Oils at Low Frequencies	International Journal of Physical, Chemical & Mathematical Sciences		July- Dec 2014	
3	Velocity of Ultrasound in Commonly used Vegetable Oils at low Frequencies	International Journal of Science, Environment and Technology		Oct-14	
4	Acoustics Impedance Studies in Some Commonly Used Edible Oils	IJSET-International Journal of Innovative Science, Engineering and Technology		Oct-14	
5	Ultrasonic Velocity and Absorption in Medicinal Oils at low Frequencies	International Journal of Science, Environment and Technology		Jun-16	
6	Ultrasonic velocity studies in recycled edible Oils at 1MHz Frequency	International Journal of Scientific Research in Science, Engineering and Technology (ijsrset)		January- February - 2018	
7	Optical Materials 131 (2022) 112718	Influence of rare-earth ion doping on dielectric properties of lithium zinc borate glasses	https://doi.org/10.1016/j.optmat.2022.112718	2022	Scopus
8	Effect of sintering temperature on physical and dielectric properties of SrTiO ₃ ceramics	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2023.04.587	2023	Scopus
9	Synthesis and thermal stability of ferrites added polymers nanocomposites	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2023.06.303	2023	Scopus
10	Effect of heat treatment on dielectric and ferroelectric properties of BST ceramics	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2023.05.075	2023	Scopus
11	Ultrasonic Velocity Studies in Pure and Adulterated Edible Oils	AIP Conf. Proc. 2764	https://doi.org/10.1063/5.0145830	2023	Scopus
12	Physical and microstructural properties of Ba _{1-x} Sr _x TiO ₃ ceramics with heat treatment	Ceramics International, SCI	https://doi.org/10.1016/j.ceramint.2024.12.094	Dec'24	SCI, IF 5.1

13	Influence of sintering temperature on Microstructure and dielectric properties of Sr Ca TiO ₃ ceramics	Key Engineering Materials	http://dx.doi.org/10.4028/p-B3j9LQ	Dec'24	Scopus
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Experience:

Teaching	25 Years
Industry	-
Research	10Years
Total Experience	25 Years