



Faculty Profile

A1	Personal Details
Dr. N. CHITHRALEKHA, M.Sc., M. Phil., Ph. D Assistant Professor in Physics Department of Science and Humanities Knowledge Institute of Technology, Salem - 637504. India. Ph: +91 - 427 - 2433900, Ext: 923 Email id: ncphy@kiot.ac.in	



A2	Areas of Interest
	Ultrasonics & Spectroscopy

A3	Subjects Taught
UG	PG
Engineering Physics	
Material Science	
Engineering Physics I	
Engineering Physics II	
Physics Laboratory I & II	
Physics Laboratory	

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
B.Sc.	Physics	Kandasamy Kandar College, P. Velur, Namakkal	Madras University	April 1992
B.Ed		Annamalai University	Annamalai University	May-1996
M.Sc.	Physics	Annamalai University	Annamalai University	May 1997
M.Ed				May-1999
M.Phil.	Physics	Bharathidasan University	Bharathidasan University	October 2006
M. Phil.	Education	Periyar University	Periyar University	July -2008
Ph.D.	Physics	Bharathiyar University	Bharathiyar University	March

				2020,Awarded
TNSET	PHYSICAL SCIENCE	Mother Teresa Women's University	Mother Teresa Women's University	Feb-2016

A5		Work Experience as on 01.11.2018					
Name of the Institution		Position		From		To	
Knowledge Institute of Technology		Assistant Professor		15.07.2018		Present	
Mahendra College of Engineering		Assistant Professor		03.12.2007		31.12.2015	
Sakthi kailash College of Education		Lecturer		20.09.2006		17.09.2007	
AVS College of Education		Lecturer		14.10.2005		19.09.2006	
Rajaji Institute of Technology		Lecturer		01.08.2001		30.04.2003	
				15.11.1999		30.03.2000	
Total Experience		15.8 Years	Teaching	15.8 Years	Research	-	Administration -

A6		Research Publications				
Total Number of Publications		International Journal	National Journal	International Conference	National Conference	Total
		7	1	5	2	15
Recent Publications (Journals)						
1	N. Chithralekha,* and A.Panneerselvam, Surfactant – Alcohol Interactions: An Ultrasonic, UV and FTIR Analysis, Vacuum, Elsevier; Vol. 168, 2019, 108835.					
2	N. Chithralekha,* and A.Panneerselvam, Ultrasonic and UV Analysis on Aqueous Non-Ionic Surfactants, Oriental Journal of Chemistry; Vol. 35(Special Issue 1), 2019, 28-35.					
3	V. Manivannan, M. Sivaraju and N. Chithralekha, Synthesis and Characterization of Nickel Schiff based complexes, International Journal of Research and Analytical Reviews (IJRAR), Vol. 6 (1) , 2019, 75-79.					

4	N. Chithralekha ,* and A. Panneerselvam, Physico-Chemical Analysis on Some Polymers Aqueous Surfactant Solution at Different Temperatures-Acoustical, UV and FTIR Studies, <i>Asian Journal of Chemistry</i> ; Vol. 31, No. 3 (2019), 674-678.
5	V. Manivannan & N. Chithralekha , Study on the corrosion inhibition of mild steel by azo derivative, phosphono derivative and bivalent cation, Indian Journal of Research , 1(6), 2012, 61-63.
6	V. Manivannan & N. Chithralekha , Effect of temperature on the corrosion inhibition of 3-phosphonopropionic acid on mild steel in ground water, Chemical Science Transactions , 1(3), 2012, 618-623.
7	V. Manivannan & N. Chithralekha , Comparative Study on the Corrosion Inhibition of Mild Steel by Triazole Derivative and Phosphono Derivative in Ground Water Media, Coromandel Journal of Science , 5 Vol. 1, No. 1, December 2012. pp. 17-19.
8	V. Manivannan & N. Chithralekha , Effect of inhibitors on corrosion control of mild steel in natural aqueous environment, Asian Journal of Chemistry . Vol. 25, No. 17, 9743-9747

Recent Publications (Conferences)

1.	Presented a paper entitled “Physicochemical studies on aqueous solutions of Cetyl Pyridinium Chloride (CPC) with Saccharides (Fructose, Lactose And Sucrose) at different temperatures” in 6 th International Conference on Nano science and Nanotechnology (ICONN 2021) organized by Department of Physics and Nanotechnology, SRM University - India during 1- 3 February 2021.
2.	Presented a paper entitled “Thermo acoustical studies on aqueous Cetyl Pyridinium Chloride (CPC) with Lipase at different temperatures” in International Conference on Advanced Nanomaterials for Energy, Engineering, Biological and Medical Applications (ICON-2019) organized by Department of Science and Humanities, Karur, 12 th and 13 th , December 2019.
3.	Presented a paper entitled “Acoustical and spectroscopic analysis on aqueous cationic surfactant at different temperatures” in International Conference on (AMEEA-2019) organized by Department of Physics, Government Arts College, Dharmapuri, 22 and 24, August 2019.
4	Presented a paper entitled “Acoustical studies on aqueous solutions of Cetyl Pyridinium Chloride (CPC) with amylase at different temperatures” in International Conference on Functional Materials for Bio-energy, Green Technology and Environmental Sustainability” (FMGES-2019) organized by Department of Physics and Chemistry, Trinity College for Women, Namakkal, 8-10 August 2019.
5	Presented a paper entitled “ Surfactant – Alcohol Interactions: An Ultrasonic, UV and FTIR Analysis” in International Conference on Nano science and Nanotechnology (ICONN 2021) organized by Department of Physics and Nanotechnology, SRM University - India during 9-11 February 2021.

August 2017.

A7	Research Grants/ Projects Received
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A8	Patents Filed
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A9	Fellowship Received
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A10	Memberships in Professional Bodies
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S.No.	Name of the Professional Body
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A11	Programs Organised
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A12	Consultancy Works	
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A13	Highlights of Major Contributions
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A14	Training Programmes Attended
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| 1. | Participated as Resource Person in the two day State level Workshop on “Annular Solar Eclipse” - held on 23 & 24 November, 2019 organized at Knowledge Institute of Technology, Kakapalayam, Salem. |
| 2. | Participated in the three day Workshop on “Enhancing Teaching-Learning Skills” – held on 5 th – 7 th November, 2019 organized by HRD CELL & IQAC of Knowledge Institute of Technology, Kakapalayam, Salem. |
| 3. | Participated in the one day International symposium on “Nanotechnology – A Leap In Materials Science” - organized by the Department of Chemistry , held on 19 th January, 2018 at Sri Sarada College For Women, Salem. |

4.	Participated in the one day National Conference on “Recent Trends in Materials Science - 2017” organized by the Department of Physics , held on 25 th January, 2017 at Thiruvalluvar Government Arts College , Rasipuram.
5.	Participated in the two days National Level Workshop on “Experimental Ultrasonics” Sponsored by UGC Organized by the Department of Physics, during 27 th -28 th February 2015 held at Arignar Anna Govt. Arts College, Namakkal.
6.	Participated in an AICTE Sponsored Short Term Course on “Colloids and Interfaces with Polymers and Surfactants” Organized by the Department of Chemical Engineering from 3 rd to 7 th March, 2014 held at Indian Institute of Technology Madras.
7.	Participated in a Advanced Workshop on “Mission 10 X Learning Approach Practitioners Certificate” conducted at Maha Engineering College ,Minnampalli – Salem, from 22 nd December to 23 rd December, 2011.
8.	Participated in a “Mission 10 X workshop” conducted at Maha Engineering College at Minnampalli – Salem, from 18 th July to 22 nd July 2011.
9.	Presented a paper in UGC sponsored state level seminar on “Networking in Teacher Education: Experiences and Prospects” held on 18-19 Aug, 2006 at Sri Sarada College of Education, Salem-16.
10.	Attended a seminar “Professional values and values from music for college teachers” at Sri Sarada College of Education , Salem-16 on 22.03.2006.

A15	Special Lectures Presented
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A16	Awards
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A17	Books Published
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A18	Foreign Countries/ Universities Visited
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