



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved By AICTE, Affiliated to JNTU, Kakinada)

Ganguru, Vijayawada – 521 139. Phone: 0866-2583842/43.

Email: dietoffice2009@rediffmail.com; URL: www.diet.ac.in

Faculty Profile

Name of the Faculty : K A Sasikala
Designation : Assistant Professor of Physics
Date of Joining : 01/07/2009
Nature of Association : Regular
Email & Phone No. : sasikoppineedi@gmail.com
Department : BS&H (Physics)



Educational Background: 1. Pursuing Ph. D from Acharya Nagarjuna University, Guntur
2. M. Phil (Physics) with 73.3% from Acharya Nagarjuna University, Guntur in 2014
3. M. Sc. (Physics) with 74% from Hindu College, PG Courses, Guntur in 2004

Research Areas : Ultrasonic Studies of Binary Liquid Mixtures

Experience : 17 Years

Sl. No	Institute	Designation	Period
1	DhaneKula Institute of Engineering & Technology, Ganguru	Assistant Professor	2009-till date
2	S D M S Mahila Kalasala, Vijayawada	Lecturer	2004-2009

List of Publications (National and International Journals):

1. Correlation between Experimental and Theoretical Ultrasonic Velocities in Binary Mixtures of Furfuryl Alcohol with Glycols at 303.15 K, Journal of Applicable Chemistry, 2019, 8 (3): 1417-1425.
2. Acoustic and Volumetric Studies of the Binary Mixtures of Furfuryl Alcohol with Ethylene-, Diethylene- and Triethylene-Glycols at 303.15K, Journal of Applicable Chemistry, 2019, 8 (3): 1363-1370.
3. Thermodynamic studies of binary liquid mixtures of tetrahydrofuran with anilines by conventional and Benson-Kiyohara approaches, Advances in Biomaterials & Characterization Techniques, Jan'2017, ISBN: 978-81-926822-0-4.
4. The influence of Ag₂O on the dielectric properties of LiF–CaO–B₂O₃ glasses, Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B, December 2015, 56 (6), 271–277.



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National/ International Conferences Participated:

1. International Virtual Conference on People, Environment, Science & Pandemic: " वसुधैव कुटुम्बकम् " organized by Bhagini Nivedita College, University of Delhi from June 5-7, 2020.
2. National Women's Parliament, Pavitrasangamam, Amaravati from 10th to 12th Feb'2017.
3. Presented a Poster in the 2nd Andhra Pradesh Science Congress on "Science & Technology for Health", held at Parvathaneni Brahmayya Siddhartha College of Arts & Science, Vijayawada during 7-9 Nov'2016.
4. National conference on "Need and Role of Nano Sciences in the Present Era", Parvathaneni Brahmayya Siddhartha College of Arts & Science, Vijayawada on 7th and 8th Oct'2015.
5. National conference on "Recent trends in Nano Science and Technology for device applications", K. L. University, Vaddeswaram on 4th to 5th Apr'2013.
6. UGC, DAE-BRNS & CSIR Sponsored "National Youth Forum on Green Energy Solutions Meeting Global Concerns", Maris Stella College, Vijayawada on 19th and 20th Nov'2009.

Faculty Development Programs attended:

1. Five-day FDP on "Recent Advances in Engineering Physics" organized by QIS College of Engineering and Technology, Ongole from 13th to 17th July 2021
2. Three Day FDP on "Outcome Based Education; Importance of Outcomes, Assessment and Evaluation for Accreditation" under AICTE Margdarshan during 14th to 16th August, 2020 organized by VR Siddhartha Engineering College, A.P
3. Three-day National Level Virtual Faculty Development Program on "Moving to Master Science in Technology (MMST:2020)", by PSCMR College of Engineering from 18th - 20th June 2020
4. One-week Faculty Development Program on "Outcome Based Education- A continuous Quality Improvement of the Program" by SRKR Engineering college, Bhimavaram from 17th August 2020 to 21st August 2020.
5. One-week Faculty Development Program on "Physics of Materials" by Kalasalingam



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Academy of Research and Education, Tamilnadu from 08th June 2020 to 14th June 2020.

6. Three Day Faculty Development Program on “Moving to Master Science in Technology”, PSCMR College of Engineering and Technology, Vijayawada from 18-6-2020 to 20-6-2020.
7. One-week Faculty Development Program on “Materials for Thermal and Renewable Energy Research”, Sri Sai Ram Institute of Technology, Chennai from 20-5-2020 to 24-5-2020.
8. One-week Faculty Development Program on “Research Opportunities in Electrical Engineering and Its Applications”, PSR Engineering College, Sivakasi from 18th May 2020 to 23rd May 2020.
9. NPTEL Two-month Faculty Development Program on “TALE 2-Course Design and Instruction of Engineering Course”, IISC, Bangalore from July 2019 to September 2019.
10. NPTEL One-month Faculty Development Program on “Teaching And Learning in Engineering” Course TALE, IISC, Bangalore from Feb’2019 to Mar’2019.
11. One day Faculty Development Program on “LATEX”, DhaneKula Institute of Engineering and Technology on 4th May, 2013.
12. One Day Faculty Development Program on “Characterization of Nano Materials”, VR Siddhartha Engineering College, Vijayawada on 27th Apr’2012.

Training/Orientation Programs attended:

1. One-month Training Program on “Advanced Excel”, by Internshala Trainings from 25th May 2020 to 24th June 2020.
2. Quality Improvement Programme on “Instructional Design and Delivery” conducted by National Institute of Technical Teachers Training & Research, Chennai at DhaneKula Institute of Engg&Technology, Ganguru campus from 29th Oct’2012 to 2nd Nov’2012.
3. Two-week orientation program on “Computer Awareness” held at Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada from 26-10-2005 to 10-11-2005.



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Workshops Participated:

1. Workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 19-23 October, 2020 organized by All India Council for Technical Education (AICTE).
2. National workshop on “Moodle Learning Management System”, IIT Bombay Remote centre- DIET, Ganguru on 15th March 2019.
3. Two Day Science Academies Lecture workshop on “Applications of Quantum Mechanics to Optics”, K B N College, Vijayawada on 1st and 2nd Feb’2019.
4. One day Workshop on Physics lab course “PXLAB 10”, Pottisriramulu College of Engineering and Technology, Vijayawada on 08-09-2010.
5. UGC National workshop on “Choice Based Credit System and CGPA” held at Parvathaneni Brahmayya Siddhartha College of Arts & Science, Vijayawada during 23-24 April, 2005.

Seminars Attended:

1. National Webinar on “Arginotechnologies and Dielectric Materials” organized by University college of Science and Technology, Anur, Rajamahendravarm on 4th Aug’2021
2. National Webinar on “Spectroscopic Methods and Its Applications” organized by Nalla Narasimha Reddy Education Society’s Group of Institutions on 31st July,2021.
3. National seminar on “Need and Role of Non-Conventional Energy Sources of SustainableFuture”, Akkineni Nageswara Rao College, Gudivada on 23rd and 24th Jan’2018.
4. National seminar on “Physics and chemistry of Non-Crystalline Materials”, K. V. R. College,Nandigama on 1st and 2nd Dec’2017.
5. DBT, MHRD, Govt. of India sponsored National Seminar on “Advances in Biomaterials & Characterization Techniques”, Andhra LoyolaCollege (Autonomous), Vijayawada on 20th and 21st Jan’2017.
6. National seminar on “Nanotechnology for Sustainability of Rural India”, K. L. University, Vaddam on 19th Feb’2014.



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Certification Courses completed:

1. Two-month certification course on “Learning Physics Through Simple Experiments” during 02-4-2020 to 10-6-2020 from IIT, Kanpur
2. Five-week certification course on “Write Professional Emails in English”, Coursera, Georgia Institute of Technology in April-May 2020.
3. Three-week certification course on “Quantum Mechanics”, in May 2020 from Coursera, University of Colorado Boulder.
4. Six-week certification course on “Introduction to Psychology”, Coursera, Yale University in April-May 2020.
5. Four-week certification course on “Effective Problem-Solving and Decision-Making”, Coursera, University of California, Irvine in May-2020.
6. Three-week certification course on “AI for Everyone”, in May 2020 from Coursera, deeplearning.ai.
7. Four-week certification course on “Work Smarter, Not Harder” in May 2020 from Coursera, University of California, Irvine.
8. Five-week certification course on “Materials Science: 10 Things Every Engineer Should Know” during July-August 2020 from Coursera, University of California, Davis.
9. One week certification course on “Learn Microsoft Office 365” in July 2020 from Udemy, Inc.

Professional Membership Details:

1. Life membership in “Indian Society of Systems for Science and Engineering”, ISSE from 2016.
2. Life membership in “International Association of Engineers”, IAENG from 2017.

Achievements / Awards etc.:

1. Topper in Top5% of NPTEL course “TALE 2 Course Design and Instruction of Engineering Course” in September 2019.
2. Awarded Silver Certificate from NPTEL for the completion of the course “Teaching and Learning in Engineering” in May 2019.
3. Received “Best Mentor” Appreciation for the Year 2017-18 from DhaneKula Institute of Engineering & Technology.



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4. Appreciation from AMRITA University, Kerala for active involvement in effective utilization of virtual labs for the academic year 2015-16.
5. Ratified as Assistant Professor in Physics from JNTUK in 2014.

K A SASIKALA
(Name)