

FACULTY PROFILE

Name	Dr.A.KALYANASUNDARAM
Father's Name / Mother's Name	A.AYYARU
Date and Place of Birth	04.08.1963
Sex	Male
Marital status	Married
Nationality & Religion	Indian , Hindu .
Community	Scheduled Caste
Department	Department of Physics
Current Designation & Grade Pay	Associate Professor& HOD of Physics
Address for Correspondence	No.27 ANNAI THERASA STREET ,FATHIMA NAGAR AMMAIYAR NAGAR EXT. KEEZHAKASAKUDY 609 609
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Academic Qualifications :

Examinations	Subject	Year of Passing	Name of the Board/ University
S.S.L.C.		1980	State Board
H.S.C.		1982	State Board
UG: B.Sc.	PHYSICS	1985	Bharathidasan University Trichy
PG: M.Sc.	PHYSICS	1987	Bharathidasan University Trichy
B.Ed.,	Education	1989	Annamalai University,Chidambaram
P.G.D.D.I	Post Graduate Diploma In Digital Instrumentation	1994	Alagappa University ,Karaikudi

Research Degree(s)

Degrees	Subject	University	Title	Date of Award
M. Phil.	PHYSICS	PONDICHERRY UNIVERSITY	Vibrational Analysis of Ethylene and Halogenated Ethylenes-A Force Field Study	1998
Ph.D	PHYSICS	PERIYAR-UNIVERSITY SELAM	AN INVESTIGATION TO ENHANCE THE COUPLING EFFICIENCY BETWEEN LASER DIODE AND SINGLE MODE FIBRE VIA MICROLENS IN MICRO OPTICS	2009

Period of Teaching Experience : __32__ Years and __0__ Months

Designation	Period		Organization	Nature of Employment
	From	To		
Lecture in Physics	27.05.1991	06.08.1992	Bharathidasan Govt.College for Women -Pondy	Teaching, supervising and Evaluation of Students
Lecture in physics	13.08.1992	04.12.1997	MGGAC ,Mahe	Teaching, supervising and Evaluation of Students
Selection Grade Lecture	04.12.1997	30.11.2015	AAGA&SC ,KKL	Teaching, supervising and Evaluation of Students
Associate prof. of Physics	30.11.2015	Till Date	AGCW ,KKL	Teaching, supervising and Evaluation of Students

Fields of Specialization under the Subject / Discipline

- (a) Electronics /Laser & spectroscopy
- (b) Digital Instrumentation

Academic Staff College Orientation / Refresher Courses Attended :

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
Orientation Course	Pondicherry University	From 03.06.1992 to 31.07.92	ASC Pondicherry
Refresher Course(1)	t Pondicherry University	From 22.12.1998 to 11.01.1999	ASC Pondicherry
Refresher Course (2)	t Pondicherry University	From 11.12.2001 to 31.12.2001	ASC UGC Pondicherry
Refresher Course (3)	Annamalai University	From 19.12.2002 to 05.01.2003	ASC UGC Chidambaram

Research Publications :

Sl. No .	Title	Year	Journal/Book	Volume- Page with Impact Factor
1.	Theoretical study on focal performance of cylindrical microlens in dielectric incidence space, J.Atti della Fond .Giorgio Ronchi, Italy,	2006	Italian Journal of Optics	Vol 61,No.6 (737-744.)
2.	A Novel light trapping scheme of microlenses focused beam on silicon solar cells,	2007	Italian Journal of Optics	Vol 62,No.3 (363-374.)
3.	A Scheme to improve the coupling efficiency between laser diode and single mode fibre via hemispherically ended GIF microlenses “ .J.Atti della Fond Gioegio Ronchi, Italy,	2007	Italian Journal of Optics	Vol 62, No.4 (654-668.)
4.	Variable field angle study on conic interconnect lens system for higher coupling efficiency, jalti detla fond Giorggio Ronchi	2008	Italian Journal of Optics	Vol.63, No.14 (1-14)

Papers Presented in National / International Conferences :

Sl. No .	Topic	Conference	Organised By	Period
1.	Tapered microlenses-ended fibre for medical applications using laser-to fibre coupling theory ,	National (Recent Advances Materials Science)	Dept.of Physics Periyar University Salem.	Feb-16-17 (2006)
2.	A Novel study on power coupling efficiency enhancement in multi-mode step-index fibre using refractive and diffractive microlenses.	International (Photonics)	Dept. of Physics Central University Hyderabad.	Dec.13-16 (2006)

3.	A light trapping scheme of microlens to silicon solar cells	International XXXII OSI Symposium	Dept. of Physics MS University of Baroda-Gujarat	March 1-3 (2007)
4.	An effective light trapping scheme for silicon solar cell with lower order aberration and high throughput microlenses	International SolarCells (SOLACE-IC)	Dept. of Physics, CUSAT, Cochin University-Cochin.	January 21-23 (2008)
5.	Aberration Study On Interconnect Lens System Through Huygens Optical Transfer Function And Contour Wavefront Map .	National (Spectro Physics)	Dept. of Physics, Pachaiyappa's College ,Chennai.	Feb. 1&2 (2008)
6.	An effective light trapping scheme for silicon solar cell with low order aberration and high throughput microlenses.	National Emerging Trends in Engineering	Dept. of Physics Channabasawara Institute of Technology Tumkur -Karnataka	April 24&25 (2008)
7	National Workshop on "Advanced Materials for Energy Conversion and Storage".	National	Department of Physics, Arignar Anna Government Arts and Science College, Karaikal	27/02/2020.

Seminars/Webinars/Workshops/Conferences Attended:

Sl. No.	Seminars/Webinars/ Workshops/ Conferences	Organized By	Period
1.	Participated Four days National Laser Symposium (NLS-5)	Dept.of Physics VIT (Deemed University –Vellore)	Dec.7-10 2005
2.	Participated Two Days National Conference on Recent Advances in Materials Science (RAMS)	Dept.of Physics Periyar University Salem	Feb.16-17 2006
3.	Participated Four Days International Conference (INCP)	Dept.of Physics Central University- Hyderabad	Dec.13-16 2006
4.	Participated Three Days National Conference on Recent Trends in Optoelectronics and Laser Technology . (NCOL 2007)	Dept.of Physics , University of Kerala Kariavattom- Thiruvananthapuram	April 9-11 2007
5.	Participated Three Days International Conference on Solar Cells (IC-SOLACE)	Dept.of Physics, Cochin -University of Science &Technology -Kochi .	Jan.21-23 2008
6	Participated Two Days National Conference In (NSP)	Dept.of Physics, Pachaiyappa's College ,Chennai	Feb. 1-2 2008
7	Participated One Day Workshop on Recent Developments in Nano-materials Research (RDINMR)	Dept.of Physics,Periyar- University -Salem	March 31 st 2008
8	Participated in the National Conference on Emerging in Trends in Engineering and Technology	Dept. of Physics, CIT Campus – Gubbi, Tumbur -Karnataka	April 24-25 2008
9	Participated in NATIONAL CONFERENCE ON Environmental Sanitation for health security	ONGC Cauvery Asset, Karaikal and Department of Science and Technology (DSTE), Government of Puducherry.	20 th January 2017.

10	Participated one day International Webinar “3D printed Bio Ceramics for Medical Application”.	Dept. of Physics ,Arignar Anna Govt.Arts &Science College Karaikal. College Karaikal.	May 31 2020
11	Participated one day International Webinar on Redefination of SI Units and its importance to Science and Technology.	Dept. of Physics ,Arignar Anna Govt.Arts &Science College Karaikal.	May 20 2020
12	Participated one day National Webinar on Composite Materials & Properties .	Dept. of Physics ,Govt. Arts College for Women –Krishnagri.	June 10 2020
13	Participated one Day National Webinar on Non-Linear Physics ,Jointly Organised by SSN-Centre for Radiation ,Environmental Science & Technology (SSN-CREST)and Indian Spectroscopy Association-Chennai	Dept. of Physics ,SSN College of Engineering. Rajiv Gandhi Salai, Kalavakkam-Chennai	June 12 2020
14	Participated one Day National Webinar on Need of R&D for Scientific Validation & Traditional Herbal Medicines.	Dept. of Botany ,Arignar Anna Govt. Arts& Science College - Karikal	August 18 2020

Other Relevant Information:

1. Member of UG Board of Studies Physics at Pondicherry University .
2. Chairman and Chief of UG Board of Physics Theory Examination at Pondicherry University.
3. Question Paper setter for UG Board of Physics at AVC ,College Mannampandal-Mayiladuthurai & Periyar University –Salem.
4. Panel Member of Ph.D., Thesis Evaluator at Bharathidasan & Periyar University.
5. Principal i/c One year Seven month at Avvaiyar Govt. College for Women –Karaikal.
6. Best Teacher Award from Rotary Club September 2018 .