

Bio-Data



Name & Designation: Mrs . A.Alagu Lakshmi
Assistant Professor of Physics

Qualification: M.Sc., M.Phil., TNSET

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Date of Birth & Age : 01-06-1984 & 38 Years

ACADEMIC QUALIFICATIONS

2018	TNSET qualified (Mother Theresa University)
2015	Ph.D (Physics) Doing Part-time under the guidance of Dr.N.Jeyakumaran, Associate Professor of Physics,
2006 –2007	M.Phil., Physics (73.6%) V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar. (Madurai Kamaraj University).

2004 –2006	M.Sc (Physics)., (73%), V.V.Vanniaperumal College for Women, Virudhunagar, (Madurai Kamaraj University).
2001 –2004	B.Sc (Physics) (66%), V.V.Vanniaperumal College for Women, Virudhunagar. MaduraiKamaraj University.
2000 –2001	HSC.,(74.75%), H.S.H.BGirls’ Higher Secondary School, Virudhunagar.
1998 –1999	SSLC., (85.8%), H.S.H.B Girls’ Higher Secondary School, Virudhunagar.

ACADEMIC ACTIVITIES

Orientation Programme

- Successfully Completed a 4-week induction/Orientation Programme for “***Faculty in Universities/Colleges/Institutions of Higher Education***” from June 04 - July 01,2020 and obtained grade **A+**, conducted by **Teaching Learning Centre, Ramanujan College, University of Delhi** (under the aegis of Ministry of Human Resource Development, Pandit Madan Mohanmalaviya National Mission of Teachers and Teaching) through online mode.

Authored Book

- Contributed a Chapter entitled “**Introduction to Life Skill Education**” in the book **Life skill Education** published by VHNSN College (Autonomous), Virudhunagar, (ISBN:978-81-942052-3-4)

Short Term Course

- Completed the “*Moodle Test for Teachers Training*” conducted by **Spoken Tutorial, IIT Bombay**, funded by National Education on Education through ICT, **MHRD, Govt., of India**.
- Completed the “*Short Term Online Course on Computational Physics*” organized by the Department of Physics, Bodoland University held from 12.05.2020 to 18.05.2020

Faculty Development Programmes

- Online Faculty Development Programme on “*Moodle Learning Management*” Organized by **G.Venkataswamy Naidu College in Association with Spoken Tutorial, IIT Bombay** during 30.04.2020 to 04.05.2020.
- One-week Online Faculty Development Programme on “*The Use of Virtual Physics lab – Creating Next Generation Teachers*” from 20.05.2020 - 24.06.2020, May 2020, Organized by Department of Freshman Engineering, **Geethanjali College of Engineering and Technology, Telangana**, in association with **Indian Society of Technical Education (ISTE)**.
- Faculty Development Programme on “*Digital Teaching*” organized by IQAC, **V.H.N.Senthikumara Nadar College(Autonomous)**, and **DCE Technology, Virudhunagar** on 01.06.2020 to 03.06.2020.
- Five Days Faculty Development Programme on “*Assessment, Accreditation and Quality Assurance in Higher Education Institutions*” organized by **V. H. N. Senthikumara Nadar College (Autonomous)**, and **PEARL-A foundation for Educational Excellence, Bangalore, Karnataka** from 20.07.2020 to 24.07.2020.

- Faculty Development Programme on “**Handling Classes Through Google Meet**” Conducted by IQAC, V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar on 06.08.2020.
- National Level Faculty Development Webinar “**Microscopic Techniques for Material Research**” organized by Department of Physics, The Standard Fireworks Rajarathinam College for Women, Sivakasi on 6.11.2020.

Webinar Series

- “**Webinar Series on Conceptual and Applied Physics**” jointly Organized by Department of Physics, School of Science, RK University and Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot during 05.05.2020 to 08.05.2020.
- Webinar on “**Material Science: Webinar Series-I**” Organized by Centre for Nanoscience and Nanotechnology (CNSNT), SATHYABAMA Institute of Science and Technology, Chennai during 18.05.2020 to 23.05.2020.
- Webinar on “**Energy Research: Webinar Series-II**” Organized by Centre for Nanoscience and Nanotechnology (CNSNT) SATHYABAMA Institute of Science and Technology, Chennai during 26.05.2020 to 30.05.2020.

International/ National Conferences Participation

- Guest Lecture on “**Photovoltaics and Other Innovative Solar System**” under Cluster of Colleges Meeting in Physics organized by the Department of Physics, V. H. N. Senthikumara Nadar College (Autonomous), Virudhunagar on 15.12.2018.
- The **Cluster College of Joint Faculty meeting** organized by Department of Physics, V. V. Vanniaperumal College for Women (Autonomous), Virudhunagar on 17.08.2019.

- The Guest Lecture on “***What Next- Scope for Higher Studies and Career after B.Sc. Physics***” under Cluster of Colleges Meeting in Physics organized by the Department of Physics, V. H. N. Senthikumara Nadar College (Autonomous), Virudhunagar on 15.02.2020.
- Participated the “***International Seminar on Recent Trends in Materials***” organized by the Department of Physics, Devanga Arts College, Aruppukottai on 22.02.2020.
- Participated the Webinar on “***Micro and Nanotechnology and its Applications***” Organized by Department of Physics, G.T.N.Arts College(Autonomous), Dindigul on 14.05.2020.
- Participated the Two Days Webinar on “***Towards Effective Teaching & Learning***” Organized by EDP Committee, PKN Arts and Science, Thirumangalam on 14.05.2020 and 15.05.2020.
- Participated the International Level covid-19 Pandemic Webinar on “***Functional Novel Materials for Electrochemical Sensors and Energy Storage Devices***” organized by Thiagarajar College, Madurai and Ming Chi University of Technology, Taiwan on 15.05.2020.
- Participated the Two Days International Webinar on “***Recent Trends in Applied Science***” Organized by Senthil Research Advocacy Forum, V. H. N. Senthikumara Nadar College (Autonomous), Virudhunagar on 29.05.2020 and 30.05.2020.
- Attended the Virtual Seminar on “***RAMAN SPECTROSCOPY: Basics, Instrumentation & Applications***”, jointly organized by SATHYABAMA Institute of Science and Technology, Chennai, Renishaw and Lab India Instruments on 02.06.2020 and 03.06.2020.

- Participated the Webinar on “*Nalam Tharum Yoga*” organized by National Service Scheme, V. H. N. Senthikumara Nadar College (Autonomous), Virudhunagar on International Yoga Day Celebration 2020.

Resource Person

- Served as a Resource Person in the *Young Student Scientist Programme (YSSP-2018)* conducted by V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar and catalysed and sponsored by TNSCST, Chennai from 23.12.2018 to 06.01.2019.
- Acted as a resource Person in *Career Oriented Awareness Programme for School Students* organized by the Department of Computer Application, V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar on 11.11.2019.

Question Paper Setting

- Appointed as an *Question paper setter* for the end semester examination during November 2019 and April 2020 examinations for *G.T.N.Arts College, Dindigul*.
- Appointed as an *Question paper setter* for the end semester examination of April 2020 examinations for *Nadar Mahajana Sangam S.Vellaichamy Nadar College, Madurai*.
- Appointed as an *Question paper setter (OBE Pattern)* for both U.G and P.G for the end semester examination during November 2021, April 2022 & November 2022 examinations for *S.F.R.College for Women, Sivakasi*.
- Served as an *External Practical Examiner* for the end Semester exams during April 2022 & November 2022 at Sri Parasakthi College for Women, Kuttralam.
- *Served as an External Practical Examiner* for the end Semester exams during April 2022 & November 2022 at S.F.R.College for Women, Sivakasi.

- Appointed as a *Question paper setter (OBE Pattern)* for the end semester examination during April 2022 & November 2022 and examinations for *G.V.N.Arts and Science College, Kovilpatti*.
- Appointed as an *External Practical Examiner* by *Devanga Arts College (Autonomous), Aruppukottai* to conduct practical exam for UG Ancillary Physics Practical.

Organizing Committee Member

- State Level Seminar on “*Understanding Quantum Mechanics*” conducted by V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar on 29.08.2019 and 30.08.2019.
- National Level Webinar on “*Recent Trends In Energy, Environment and Technology*” Organized by V.H.N.Senthikumara Nadar College(Autonomous),Virudhunagar and PEARL-A foundation for Educational Excellence, Bangalore, Karnataka on 9.06.2020.

RESEARCH ACTIVITIES

Paper Presentations

- Presented a paper entitled “*Synthesis, Characterization and Photocatalytic Activity of Undoped & Fe Doped Cd₂SnO₄ Nanoparticles in the Degradation of Methylene Blue Dye*’ in the International Conference on Advanced Materials and their Applications-2022 (ICAMA - 2022) Organized by PG and Research Department of Chemistry, V.O.Chidambaram College, Thoothukudi 29th and 30th September 2022.
- Presented a paper entitled “*Antimicrobial Activity of Cadmium Stannate Nanoparticles Synthesized by Chemical Method*” in the International Conference on Smart Technology

and Applications-2022 (ICSTA 2022) Organized by Ramco Institute of Technology, Rajapalayam on 11th and 12th March 2022.

- Presented a paper entitled “***Structural and Optical Properties of undoped and Ag doped Cd₂SnO₄ Nanoparticles***” in the two days online National Conference on Materials for Energy and Environment (MEE 2022) Organized by the Department of Physics, Academy of Maritime Education and Technology, Deemed to be University, Chennai on 27th and 28th January 2022.
- Presented a paper entitled “***Synthesis and Characterisation of Cd₂SnO₄ Nanoparticles for Antibacterial Activities***” at International Virtual Conference on Recent Trends in Material Science (ICRTMS 2021) by the Department of Physics, Bannari Amman Institute of Technology, Sathyamangalam, Erode on 20th and 21th December 2021.
- Presented a paper entitled “***Structural Properties of Dip Coated Cadmium Tin Oxide Thin Films for Number of Coatings***” **Alagu Lakshmi. A, Deepalakshmi.K, Prithivikumar.N, Jeyakumar.N*** in the 3rd International Conference on “Material and Technology- Synthesis, Processing and Applications” (ICMAT-SPA) 2020 held at Sri S.Ramasamy Naidu Memorial College, Sattur on 13.03.2020 and 14.03.2020.
- Presented a paper entitled “***Preparation and Characterization of Dip Coated Cd₂SnO₄ Thin Films***” **A.Alagu Lakshmi, K.Deepalakshmi, N.Prithivikumar and N.Jeyakumar** in International Virtual Conference on Recent Trends& Innovations in Science Engineering and Social Science (IVCRTISESS-2020) organized by Senthil Research Advocacy Forum, V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar and PEARL-A foundation for Educational Excellence, Bangalore during 04.09.2020 -06.09.2020 September.

Publication

- Research Abstract entitled “*Synthesis, Characterization and Photocatalytic Activity of Undoped & Fe Doped Cd₂SnO₄ Nanoparticles in the Degradation of Methylene Blue Dye*’ in the International Conference on Advanced Materials and their Applications-2022 (ICAMA - 2022)
- Research Abstract entitled “*Antimicrobial Activity of Cadmium Stannate Nanoparticles Synthesized by Chemical Method*” in the International Conference on Smart Technology and Applications-2022 (ICSTA 2022)
- Research Abstract entitled “*Synthesis and Characterisation of Cd₂SnO₄ Nanoparticles for Antibacterial Activities*” at International Virtual Conference on Recent Trends in Material Science (ICRTMS 2021)
- Research Abstract entitled “*Preparation and Characterization of Dip Coated Cd₂SnO₄ Thin Films*” published in International Virtual Conference on Recent Trends & Innovations in Science Engineering and Social Science (IVCRTISESS-2020) Book of Abstracts. ISBN 978-93-81723-96-8

DEPARTMENT ACTIVITIES

Centre In-Charge

- Served as a Centre In-Charge to conduct *National Graduate Physics Examination for UG Students* conducted by *India Association of Physics Teachers, Dehradun, Uttarkhand* in the academic years of 2017-2018, 2018-2019, 2019-2020.

Co-Curricular Activities

- Co-ordinate the students to participate in Seminars/Intercollegiate conducted by our college and other colleges.

- One of the in-charge to conduct Science Day Competitions on 28.02.2020.
- Accompanied the students to take part in various competitions and seminars in other Colleges.

Extra-Curricular Activities

- In-charge to coordinate the students to take part in of OBA Fantasia every year.
- Department in-charge of Talentia-2020 cultural event

Extension Services

Girls Hostel Warden

- Serving as Warden in Girls Hostel from 01-06-2019 to till date
- Served as Deputy Warden from 01-07-2016 to 31-5-2019.

Activities Conducted in Hostel in the academic year of 2018-2019 and 2019-2020.

ORGANIZER

- TNPSC exam coaching from 20.07.2018 – 15.03.2019
- Type writing class from 20.08.2018 – 25.01.2019
- Yoga and Meditation classes from 18.01.2019 – 20.02.2019
- Hostel Day Celebrations on 17.03.2019
- Doormat preparation from 18.07.2019 – 22.08.2019
- Mehenthii class
- Gardening
- TNPSC exam coaching from 22.07.2019 – 21.02.2020
- Type writing class from 20.12.2019 – 15.03.2020
- Hostel Day Celebrations on 17.03.2019

FINE ARTS - Member

- As a member of fine arts committee from the Academic year of 2019-2020, motivated and trained the students to exhibit the cultural talents.

List of Activities

- 9.7.2019 – “Shri Ramakrishna Mission Literacy Competition” Organized by Fine Arts Club
- 12.07.2019 – Short film Competition’19 to celebrate kamarajar birthday Organized by Fine Arts Club
- 22.07.2019 – “Campus Day Celebration -2019” Organized by Fine Arts Club
- 05.08.2019 – Cultural Programme to celebrate the College function Organized by Fine Arts Club
- 17.08.2019 – “Vivekanda Cultural Studies Exam – 2019” Organized by Fine Arts Club
- 08.01.2020 – Cultural Programme at V.H.N.S.N. College Organized by Fine Arts Club
- 13.01.2020 - Talenzia’20 Inter departmental cultural competition Organized by Fine Arts Club

OLD GIRLS' ASSOCIATION - Member

- Serving as a Member of Old Girls association, trying to reunion the past alumni and motivating the young generation to enhance their life skills

Anti- Ragging Committee – Member

- Assist to keep our College campus as Ragging free campus.

Other Activities

- Acted as an Exam Invigilator in all Summative Exams every year in our College
- Acted as an Invigilator in TNPSC Exams
- Acted as a Polling officer- II in Parlimentary Election 2018