

CURRICULUM -VITAE

S.B.P. ABIRAMI M.Sc., M.Tech.,

Mobile : 82202 07535

Email : ahjanabi@gmail.com

2-16/U-350, Thamarai Street

Muta Colony, Madurai – 625004

Objective

Intend to gain and update knowledge from each point of my work and to explore nook and corner developments in my field.

Academic Qualification

M.Tech., Nano Science and Technology : Mepco Schlenk Engineering College,
Sivakasi. (Duration: 2007-2009)
Percentage: **75%**

M. Sc., Physics : Sourashtra College, Madurai
(Duration: 2005-2007) Percentage: **75.09%**

B.Sc., Physics : MannarThirumalai Naicker College, Madurai
(Duration: 2002-2005) Percentage: **72.3%**

XII STD : Holy Angels Matriculation Hr. Sec.School,
Madurai (Duration: 2001-2002)
Percentage: **74.5%**

X STD : Holy Angels Matriculation Hr. Sec. School,
Madurai (Duration: 1999-2000)
Percentage: **74.9%**

Professional Experience:

- Assistant Professor: Department of Physics, Lady Doak College, Madurai: July 2015 – April 2016.
- Assistant Professor: Department of Physics, Sourashtra College, Madurai: July 2014 – June 2015.
- Assistant Professor: Department of Physics, Periyar Maniammai University, Vallam, Thanjavur: July 2009 – August 2010.
- PG Teacher: Department of Physics, Sasurie Vidhya Bhavan Matric. Hr. Sec. School, Tirupur: June 2012–March 2013.

Research Experience

- Worked on “**Metal oxide decorated multiwalled carbon nanotube based organic solar cells**” during M.Tech., Degree in **Indian Institute of Technology Madras**, Chennai.

Instruments Handled

- MILMAN SERIES MODEL 2000S
- CH608C Electrochemical analyzer work station
- X’pert PRO PANalytical diffractometer
- JASCO V-570 UV-Visible absorption spectra
- Sputtering unit

Conferences and Workshops attended

- National Workshop on “**Nanomaterials-Synthesis, Characterization and Applications**” (NMSCA-2006) organized by Department of Industrial Chemistry and Department of Physics, Alagappa University during December 14-15, 2006
- One day national workshop on “**Nanomaterials-Synthesis, Characterization and Applications**” organized by the department of Physics, Mepco Schlenk Engineering College, Sivakasi on August 29th, 2007.
- Two days workshop on “**NANOMATERIALS (Science, Technology & Applications)**” organized under Technical Education Quality organized under Technical Education Quality Improvement Program (TEQUIP) Community services during March 5 – 6, 2008 at NIT, Tiruchirapalli.
- Two day workshop on “**Nanoscience & technology in Diagnostic Application & Drug Delivery**” on 11th & 12th August, 2008 sponsored by Department of Science & Technology, New Delhi& Tamilnadu State Council for Science & Technology, Chennai, organized by Research Department of Botany, VHNSN College, Virudhunagar.
- National Conference on “**Nanomaterials**” organized by the Department of Physics, Karunya University, Coimbatore on 17-18 October 2008.
- Attended the “**International Workshop on Advances in Nanoscience and Technology**” organized by Anna university Chennai and ICTP, Italy during 28-30 October, 2009 at Anna university Chennai, Chennai.

Papers published

- Published a paper entitled “Theoretical Formulation Analyzing Damping Nature of the Ferromagnetic Shape Memory Alloy” in “Mechanics of Advanced Materials and Structures”, DOI: 10.1080/15376494.2022.2105457

Papers presented

- Presented a paper entitled “Stress Wave Propagation in Ferromagnetic Shape Memory Alloy Polymer Composite”, in ACCMS - International Conference on Materials Genome (ACCMS-ICMG-2020), organized by SRM University – AP, Andhra Pradesh.
- Presented a paper entitled “Magnetic Field Induced Strain in Polycrystalline Ni-Mn-Ga”, in the 21st National Seminar on Crystal Growth and Applications (NSCGA-2017) organized by PG & Research Department of Physics, National College (Autonomous), Tiruchirappalli.
- Presented a paper entitled “Carbon nanotube based materials for the application of solar cells” is accepted for poster presentation in the forthcoming “**International Conference on Nanoscience and Nanotechnology (ICONN 2010)**” February 24th – 26th, 2010 organized at SRM university, Kattankulathur.
- Presented a paper titled “Titanium dioxide decorated multiwalled carbon nanotube based organic solar cells” in the “**National Conference on Design & Manufacturing**” on 11th April’09 at GKM College of Engineering & Technology, Chennai.
- Presented a paper titled “Titanium dioxide decorated multiwalled carbon nanotube based organic solar cells” in “**3rd National Conference on Emerging Trends and Innovation in Chemical Engineering**” during 27 to 28 March 2009 organized by Department of Chemical Engineering, St. Peter’s Engineering College, Avadi, Chennai.

Awards Obtained

- **Women Scientist – A** award from Department of Science and Technology during the period 2018 – 2021 for carrying out the research work in “Acoustic Energy Absorption in Ferromagnetic Shape Memory Alloy Polymer Composite” under the guidance of Prof. M. Mahendran, Department of Physics, Thiagarajar College of Engineering, Madurai.
- Secured **II rank** in second year university examinations held during the academic year 2008-2009 during M.Tech., Nanoscience and Technology from Mepco Schlenk Engineering College, Sivakasi.

- Sri Gellia Rajaramaier & Smt. Dhanalakshmi Ammal medal for securing **Best Outgoing student first attempt with high marks** in Madurai Kamaraj University Examination held during April 2007 from Sourashtra College.
- Highest Mark General Proficiency** medal in Madurai Kamaraj University examination held during April 2006 from Sourashtra College by Prof. G.R. Surendran.
- Medal for Securing **Highest Mark Applied Optics** in Madurai Kamaraj University examination held during April 2006 from Sourashtra College, Madurai.
- Presented a Paper titled **“Nanotechnology”** in the Intercollegiate Students Seminar held on February 13th 2007 and carries the appreciation of **III Prize** from Thiagarajar College, Madurai.
- Presented a paper titled **“Satellite communication”** in a **state level physics meet** of curieics’07 held on 9th February 2007 and won **first prize** from Rev. Jacob Memorial Christian College, Ottanchatram.
- Presented a Paper titled **“LASER”** in the Intercollegiate Students Seminar held on 6th January 2005 and carries the appreciation of **III Prize** from Arul Anandar College, Madurai.

Technical Qualification

- Diploma in Computer Application (DCA)
- Desk Top Publishing (DTP)
- English Typewriting (Higher)

Personal Profile

Name : S.B.P. ABIRAMI
Date of Birth : 05/11/1984
Father’s Name : S. Baby Paramanandham
Sex : Female
Marital status : Married
Children : 02
Nationality : Indian
Linguistic Language : Tamil & English

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Yours truly,

Place:

(S.B.P. ABIRAMI)