

CURRICULUM VITAE

Dr. D. ANBUSELVAN



Associate Professor

PG & Research Department of Physics

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Objective: To associate with multi-dynamic institute, which may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

Short Introduction: Ph.D. in Physics [2017- 2022] for Assistant Professor from 2003, with nearly **Eighteen years** of teaching experience in *Physics* for M.Sc. and B.Sc. classes at various institutes. About 8 and 1/2 years of research experience with Nanoparticles. **Eight published papers** in reputed journals along with **Twenty** International/ National conferences attended.

Academic qualifications :

PhD (Physics) : “Impact of NaOH, Fe, Ni, and (La+Cu) concentration on the structural, optical, and surface morphological properties of ZnO nanoparticles synthesized using simple chemical methods”, (May 2017-Mar 2022)
Bharathidasan University, Tiruchirappalli.TN

M.Phil., : **Physics** (2002-2003), MS University, Thirunelveli, TN

B.Ed., : **Physical Science** (2001-2002) NVKSD College of Education, TN

M.Sc. : **Physics** (1997-2000) National College, Trichirappalli, TN

B.Sc. : **Physics** (1994-1997), AVVM Sri Pushpam College, poondi, TN.

12th Class : Blake HSS, Thanjavur, TN 1994

10th Class : St.Antony’s HSS, Thanjavur. TN 1992

Teaching experiences: **Eighteen years** of teaching experience as follow:

1. Lecturer in Physics (guest): M.R.Government Arts and Science College, Mannargudi,

Thiruvarur District, TN. Aug 2003 to may 2004

2. Lecturer in Physics (temporary): Muthayammal college of Arts and Science, Rasipuram, Namakkal District. TN June 2004 to April 2006
3. Lecturer in Physics (temporary): Vel MultiTech Engineering College, Kakkaveri, Avadi, Chennai. TN June 2006 to May 2009
4. Lecturer in Physics (Permanent): M.R. Government Arts and Science College, Mannargurdi. Thiruvarur District. TN July 2009 to Aug 2011
5. Asst. Prof. in Physics (Permanent): H.H. Rajah's Government College, Pudukkottai. TN Sep 2011 to July 2013
6. Asst. Prof in Physics (Permanent): Rajah Serfoji Government College, Thanjavur. TN Aug 2013 to Till date

Father's Name	T. DURAIRAJ
Date of Birth & Age	45 & 28/05/1977
Sex	Male
Nationality	Indian
Religion	Hindu
Marital Status	Married
Language Known	Tamil & English
Total Experience	20 Years
Permanent Address	404, Kasi Illam, Kaithamillath Nagar, Villar Road, Thanjavur -613 006.

Administrative Experience: •

Research experience: 8 and 1/2 years of research experience with nanoparticles studies instrumentation and their use for interdisciplinary purposes especially magnetic and optical studies.

Field of Interests: Nano particles chemical approach to solve problems of latest scientific computerized world with modern lifestyle and unstable environment, which produce some of the prominent material properties studies.

Academic Distinctions: **Eight** international published paper and **Twenty** International/ National conferences/symposia attended.

Published Research Papers:

1. Effect of an alkali hydroxide concentration on the structural, optical, and surface morphological properties of ZnO nanoparticles, **Applied Physics A, 126(2020)1-8, ISSN 0947-8396**. S. Nilavazhagan, **D. Anbuselvan**, A. Santhanam and N. Chidhambaram (**Published**)

2. The effect of iron doping on the structural, optical, surface morphological, and temperature-dependent magnetic properties of ZnO nanoparticles. **IOP Publishing Ltd, 33 (2021)1-8, ISSN : 1361-648X D Anbuselvan, S Nilavazhagan, A Santhanam, Natarajan Chidhambaram, G Kanimozhi, Tansir Ahamad and Saad M Alshehri, (published)**
3. Structural and optical studies of La doped, Cu co-doped ZnO nanoparticles by Co-Precipitation method, **Journal of Xi'an Shiyu University, Natural Science 16(2020)122-134, Edition ISSN: 1673-064X. D. Anbuselvan, S.Anandan , S.Nilavazhaganc, A.Santhanam (Published)**
4. Room temperature ferromagnetic behavior of nickel-doped zinc oxide dilute magnetic semiconductor for spintronic applications **D.Anbuselvan, S. Nilavazhagan, A. Santhanam1, N. Chidhambaram, K.V. Gunavathy ,Tansir Ahamad, Saad M Alshehri, Online November 2020, physica E, (Published)**
5. **D. Anbuselvan, S. Muthukumar, Cu-doping effect on structural, optical and photoluminescence properties of Zn_{0.96-x}Fe_{0.04}Cu_xO (x = 0, 0.02, 0.04, 0.06, 0.08 and 0.1) nanoparticles by sol-gel method, J. Sol-Gel Sci. Technol. 65 (2013) 255–268.**
6. **D. Anbuselvan, S. Muthukumar, Band gap tailoring, structure and morphological properties of Zn_{0.96-x}Mn_{0.02}Cu_xO (0 ≤ x ≤ 0.05) nanopowders by sol-gel method, J. Mater. Sci.: Mater. Electron. 24 (2013) 4113–4121.**
7. **D. Anbuselvan, S. Muthukumar, M. Ashokkumar, Band gap tailoring, structural and morphological behaviour of Zn_{0.96-x}Co_{0.04}Cu_xO (0 ≤ x ≤ 0.05) alloys by sol-gel method, J. Mater. Sci.: Mater. Electron. 25 (2014) 2004–2015.**
8. **D. Anbuselvan, S. Muthukumar, Defect related microstructure, optical and photoluminescence behaviour of Ni, cu co-doped ZnO nanoparticles by co-precipitation method, Optical Mater. 42 (2015) 124-131.**

Extra-Curricular Activities: (Teaching/ Social/Cultural/Examination)

Extension Activities Details of awards received

Years	Name of the award	Name of the Department	No.of the participates	Name of the Collaborating agency
2019-20	2nd price for poster presentation	Physics	1	National Seminar On Advanced Materials (NSAM-2020)
2020-21	Kalvi Rathna Award	Good Teacher	1	Internation Lions Club thanjavur