

Name and Qualification

Name : Dr.C.Venkataraju, PhD;
Designation : Asst Professor
Department : Physics
Subject Interest : Material Science & Nano materials
Specialization : Nano Materials



DETAILS OF PROFESSIONAL AND RESEARCH EXPERIENCE (SPECIFYING PERIOD)

Lecturer in Physics

Institute : Arulmigu Meenakshi Amman College of Engineering
Kancheepuram
Period : 1997-2005
Teaching Areas : Engineering Physics

Assistant Professor in Physics

Institute : Arulmigu Meenakshi Amman College of Engineering
Kancheepuram
Period : 2005-2011
Teaching Areas : Engineering Physics

Professor in Physics

Institute : Karpagavinayaga College of Engg. & Tech, Chengelpet
Period : 2012-2015
Teaching Areas : Engineering Physics

Asst Professor/Research Guide

Institute : Arignar Anna Govt Arts College for Men, Namakkal.
Period : 2015-2016
Teaching Areas : UG, PG Physics
Research Areas : Material Science & Nano Materials

ACADEMIC PROFILE

Ph.D.,

University : Anna University
Date and Place : Dec. 2010
Research Supervisor : Prof. Dr.K.Sivakumar, PhD,

Title of Thesis : Characterization of Ni, Zn, Bi substituted nano structured manganese ferrites

M.Phil.,

University : Annamalai University,
Main Subject : Physics
Year : 1997
Supervisor : Prof.Dr.M.Dhennadayalu,
Title of Dissertation : IR and Petrographic Analysis of rock samples

M.Sc.,

University : Annamamalai University,
College : Department of Physics, Annamalai University
Main Subject : Physics
Year : 1991

B.Sc.,

University : University of Madras,
College : Arignar Anna Govt.Arts College, Karaikal.
Main Subject : Physics
Year : 1988

RESEARCH PROJECTS

Completed

Funding Agency :
File Number :
Year :
Amount Received :
Title :

Ongoing

Funding Agency :
File Number :
Amount Received :
Title :

Accepted

Funding Agency :
File Number :
Year :
Amount Received :
Title :

Funding Agency :
File Number :
Year :
Amount Received :
Title :

WORKSHOPS ORGANIZED

1. Funding Agency :
Date :
Amount Received :
Place :
2. Funding Agency :
Date :
Amount Received :
Place :
3. Funding Agency :
Date :
Amount Received :
Place :
4. Funding Agency :
Date :
Amount Received :

5. **Funding Agency** :
Date :
Amount Received :
Place :

RESEARCH GUIDANCE

M.Phil.,

- Number of M.Phil., Scholars** :
Degree Awarded :

Ph.D.,

- Number of PhD Scholars** : 03
Degree Awarded :
Thesis Submitted :
Synopsis Submitted :

AWARDS AND DISTINCTION

Reviewer :

Journal of Materials, Chemistry and Physics- Elsevier Publications

Journal of Powder Technology- Elsevier Publications.

PUBLICATIONS - ARTICLES PUBLISHED IN JOURNALS

1. Effect of Nickel on the Structural Properties of Mn Zn Ferrite Nano Particles,
C Venkataraju Applied Physics Research 1 (1), 41, 2009.
2. Effect of cation distribution on the structural and magnetic properties of nickel substituted nanosized Mn–Zn ferrites prepared by co-precipitation method
C Venkataraju, G Sathishkumar, K Sivakumar, Journal of Magnetism and Magnetic Materials 322 (2), 230- 233,2010.
3. Synthesis, structural and dielectric studies of nickel substituted cobalt-zinc ferrite
G.Sathishkumar, C Venkataraju, K Sivakumar, Materials Sciences and Applications 1 (01), 1910,2010

4. Effect of nickel on the electrical properties of nanostructured MnZn ferrite C Venkataraju, G Sathishkumar, K Sivakumar *Journal of alloys and Compounds* 498 (2), 203-206, 2010
5. Effect of Cd on the structural, magnetic and electrical properties of nanostructured Mn–Zn ferrite C Venkataraju, G Sathishkumar, K Sivakumar, *Journal of Magnetism and Magnetic Materials* 323 (13), 1817-1822, 2011
6. Effect of nickel on the structural and magnetic properties of nano structured CoZnFe₂O₄ G Sathishkumar, C Venkataraju, K Sivakumar, *Journal of Materials Science: Materials in Electronics* 22 (11), 1715-1724, 2011.
7. Effect of bismuth on the properties of Mn ferrite nanoparticles prepared by co-precipitation method C Venkataraju, G Satishkumar, K Sivakumar, *Journal of Materials Science: Materials in Electronics* 23 (6), 1163-1168, 2012
8. Bismuth effect in the structural, magnetic and dielectric properties of CoZn ferrite. G Sathishkumar, C Venkataraju, R Murugaraj, K Sivakumar, *Journal of Materials Science: Materials in Electronics* 23 (1), 243-250, 2012.
9. Magnetic and dielectric properties of cadmium substituted nickel cobalt nanoferrites G Sathishkumar, C Venkataraju, K Sivakumar *Journal of Materials Science: Materials in Electronics* 24 (3), 1057-1062, 2013.
10. FTIR and EPR Studies of Nickel Substituted Nanostructured Mn Zn Ferrite. C Venkataraju, R Paulsingh, *Journal of Nanoscience* 2014
11. EPR studies of Cd substituted Mn Zn nanoferrites C Venkataraju, R Paulsingh, *International Journal of Nano Dimension* 6 (3), 255, 2015

RESEARCH PAPERS ACCEPTED FOR PUBLICATION AND UNDER REVIEW

POSTERS AND PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL LEVEL

- C.Venkataraju, G.Sathishkumar, K.Sivakumar (July 27-29 , 2005), “ Synthesis and Characterization of Bismuth doped manganese ferrites”, National Conference on Science and Technology of Advanced Materials , conducted by Department of Physics, Pondicherry Engineering College, Pondicherry .
- C.Venkataraju, G.Sathishkumar, K.Sivakumar (Jan 20-21, 2010), “Effect of cation distribution on the structural and magnetic properties of nickel substituted nano structured Mn-Zn ferrites prepared by co-precipitation method”, conducted by

Department of Physics, Thiagarajar College of Engineering, Madurai - 625015 and Magnetic Society of India/DMRL Hyderabad - 500058.

- G.Sathishkumar, C.Venkataraju, K.Sivakumar (Jan 20-21,2010), “Dielectric properties of nickel substituted Co-Zn ferrites”, conducted by Department Of Physics, Thiagarajar College Of Engineering, Madurai-625015 and Magnetic Society Of India/DMRL Hyderabad – 500058
- C.Venkataraju, A.Mukundan, D.Kalaivani (Feb-28, 2012) “Effect of substituted Cd on the structural, Magnetic and Electrical properties of Nanostructured Mn-Zn ferrite”, Bharath Institute of Science and Technology, Bharath University, Chennai – 73.
- C.Venkataraju, A.Mukundan, D.Kalaivani (Feb-28, 2012) “Effect of nickel on the properties of Nanostructured Mn-Zn ferrite”, Bharath Institute of Science and Technology, Bharath University, Chennai -73.

BOOKS PUBLISHED

1. Engineering Physics, Chidambaram Publications.

CITATION INDICES DETAILS (REFER GOOGLE SCHOLAR FROM 2007-2015)

Publications	: 16
In Journals	: 11
In Conferences	: 5
Citations	: 172
h-index	: 6
i10-index	: 6
Cumulative Impact factor	: 13

MEMBERSHIP IN BODIES ON EDUCATION AND NATIONAL DEVELOPMENT

1. Successfully completed the “ ISO 9001:2008 Quality Management System” Internal Auditor Training Course

POSITION HELD / LEADERSHIP ROLE PLAYED

1. Bridge course coordinator
2. ISO Co-ordinator
3. First year B.E/B.Tech co-ordinator

INVITED GUEST LECTURES

1. Over view of Nanotechnology- Chendu College of Engineering.CPT.

TRAINING PROGRAMME

Orientation Course (UGC Sponsored)

Place :

Duration :

Refresher Course in Semiconductor & Opto electronics (UGC Sponsored)

Place : Anna University

Duration : 5 days

TEACHING EXPERIENCE FROM 1993 TO TILL DATE

Total Teaching Experience : 19 years

Under Graduate : 19 years

Post Graduate : 02 years

PERSONAL DETAILS

Name : C.VENKATARAJU
Gender : Male
Date of Birth : 30-03-1968
Age : 48
Place of Birth : Mayiladuthurai
Marital Status : Single
Residential Address : 24/47, South salya Street,
Koorainadu
Mayiladuthurai
Nagapattinam District - 609303

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Email : venkatarajuc40@gmail.com
Web :