

Cellphone : 9629773635

e-Mail ID : kavithanatarajan@mitindia.edu

Address : 25, Home Finders court, Chitlapakkam main road,
Nehru nagar, Chrompet, Chennai - 44



Present Position

Teaching Fellow, Department of Physics, , Anna University, Chennai from July-2013.

Previous Positions

- Teaching Research Associate, Department of Physics, Madras Institute of Technology, Anna University, Chennai during August-2008 and May-2013.

Previous Additional Responsibility

- Resident Counselor, Girls Hostel, MIT campus, Anna University, Chennai during August-2008 and July-2013.

Other Employment

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Degree

- ❖ M.Tech. in MATERIALS SCIENCE, National Institute of Technology, Tiruchirappalli (2006 - 2008).
- ❖ M.Sc. in PHYSICS , The American College, Madurai Kamaraj University (2004 - 2006).
- ❖ B.Sc. in PHYSICS , Lady Doak College, Madurai Kamaraj University (2001 - 2004).

Research Degree

- ❖ Ph.D. in Physics from Faculty of Science and Humanities, Anna University, Anna University, Chennai (2009 - 2018).
Title: STUDIES ON STRUCTURAL, MAGNETIC AND ELECTRICAL PROPERTIES OF COMBUSTION- SYNTHESIZED Ni-Zn AND SUBSTITUTED (Mg, Co, Cu &Ca) Ni-Zn FERRITES .

Area of Specialisation

- Materials Science

Research Guidance

Papers Published in Journals

Research Papers Published in International Journals : 2

Research Papers Published in National Journals : 0

1. Kavitha N, Manohar P, "Magnetic and dielectric studies of Ni-Co-Zn ferrites synthesized by Non-Conventional combustion method", International Journal of Chemtech Research, published by Sphinx Knowledge House. Vol. 8, Issue 11, pp. 308 - 315 (2015).
2. Kavitha N, Manohar P, " Magnetic and Electrical properties of Magnesium substituted Ni-Zn ferrites", Journal of Superconductivity and Novel Magnetism, published by Springer. Vol. 29, Issue 8, pp. 2151 - 2157 (2016).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 2

Research Papers Presented in National Programmes : 3

1. S.L.Shanthi, N.Kavitha, M.Ashok, "Synthesis and Characterization of Nanohydroxyapatite" presented in a International level conference on International conference on Materials Science Research and Nanotechnology, organised by Mother Teresa Womens University, Kodaikanal, India from 27-Feb-2008 to 29-Feb-2008.
2. Kamalambal D, Kavitha N, Manohar P, "Synthesis and Characterization of Ni-Mg-Zn ferrites by citrate combustion method using albumin as a binder" presented in a National level conference on 74th annual session of the Indian Ceramic Society, organised by Indian Ceramic Society, India from 11-Jan-2011 to 13-Jan-2011.
3. "Synthesis and Characterization of Ni-Mg-Zn ferrites by novel combustion method" presented in a National level conference on Platinum Jubilee Annual Session of the Indian Ceramic Society, organised by Indian Ceramic Society (Western U.P Chapter) & Central Glass & Ceramic Research Institute, India from 20-Dec-2011 to 22-Dec-2011.
4. "Dielectric behavior of Ni-Mn-Zn ferrites by citrate combustion method using albumin as a binder" presented in a National level conference on National Conference on Green manufacturing technologies in Glass & Ceramics, organised by Indian Ceramic Society (Gujarat Chapter), CGCRI (Naroda Centre), Industries Commissionerate (Govt. of Gujarat), India from 18-Jan-2013 to 19-Jan-2013.
5. "Structural, magnetic and dielectric properties of Ni-Cu-Zn ferrites" presented in a International level conference on International conference on " Ceramics and Advanced Materials for Energy and Environment", organised by Indian Ceramic Society (Karnataka Chapter)Christ University, Bangaluru, India from 15-Dec-2015 to 17-Dec-2015.

Programme Attended

1. Attended a National level Short Course on "Kodai School in Physics and Astrophysics" organized by Indian Institute of Astrophysics, Kodaikanal, India from 06-Jun-2005 to 25-Jun-2005.
2. Participated in a National level workshop on "Interpersonal Skills" organized by National Institute of Technology, Tiruchirappalli, India from 20-Jan-2007.
3. Participated in a National level workshop on "Materials science for Engineers" organized by National Institute of Technology, Tiruchirappalli, India from 04-Nov-2007.
4. Attended a National level Short Course on "Coating Technologies and Surface Engineering" organized by National Institute of Technology, Tiruchirappalli, India from 17-Nov-2007 to 20-Nov-2007.
5. Participated in a National level workshop on "Trends in Nanomaterials Research" organized by National Institute of Technology, Trichirappalli, India from 23-Feb-2008.
6. Participated in a National level workshop on "Structure and Properties of Advanced Engineering Materials" organized by National Institute of Technology, Trichirappalli, India from 24-Feb-2008.
7. Attended a National level Short Course on "Nanomaterials (Science, Technology & Applications)" organized by National Institute of Technology, Tiruchirappalli, India from 03-Mar-2008 to 07-Mar-2008.
8. Participated in a National level workshop on "Advances in Biomaterials" organized by National Institute of Technology, Tiruchirappalli, India from 15-Mar-2008.
9. Attended a National level Short Course on "Faculty Development Training Programme (FDTP) on PH2111-Engineering Physics-I" organized by Anna University, Chennai, India from 30-Jun-2010 to 07-Jul-2010.
10. Participated in a National level conference on "Tamil Conference on Crystal Growth" organized by Anna University, Chennai, India from 18-Oct-2010 to 19-Oct-2010.
11. Attended a National level Short Course on "FDTP on PH2161-Engineering Physics " organized by Anna University, Chennai, India from 04-Jan-2012 to 11-Jan-2012.
12. Attended a National level Short Course on "FDTP on PH2111-Engineering Physics-I" organized by Anna University, Chennai, India from 20-Jun-2012 to 27-Jun-2012.
13. Participated in a National level workshop on "Workshop on preparation, characterization of crystalline materials and their applications" organized by DRDO and CSIR Sponsered, Anna University, Chennai, India from 16-Jul-2012 to 17-Jul-2012.
14. Participated in a National level workshop on "Emerging Trends in Nanomaterials for Engineering applications" organized by Dept.of Production Technology, Anna University, Chennai, India from 21-Feb-2014 to 22-Feb-2014.
15. Attended a National level Short Course on "FDTP on PH6151-Engineering Physics-I" organized by Anna University, Chennai, India from 02-Jul-2014 to 09-Jul-2014.

16. Participated in a National level workshop on "High Temperature Ceramics" organized by Department of Ceramic Technology, Anna University, Chennai, India from 19-Feb-2015 to 20-Feb-2015.
17. Attended a National level seminar on "Porous Ceramics" organized by Dept.of.Ceramic Technology, Anna University, Chennai in collaboration with Indian Ceramic Society, India from 27-May-2016 to 28-May-2016.