Dr. P.M.PONNUSAMY M.Sc., M.Phil., Ph.D., SET,

ACADEMIC QUALIFICATIONS:

CLASS/ DEGREE	NAME OF THE INSTITUTE	AFFILIATION/ UNIVERSITY	YEAR OF STUDY	% SCORED
State Eligibility Test (SET)	Mother Teresa University	Mother Teresa University	Oct-2016	202/300 (General Quota)
Ph.D Nanotechnology	Coimbatore Institute of Technology	Anna University Chennai	2009-2016	Highly Commended
M.Phil Physics	Annamalai University, Chidambaram	Annamalai University	2006-2007	57.5 %
M.Sc Materials Science	PSG college of Technology, Coimbatore	Bharathiar University	2001-2003	7.38 (CGPA)
B.Sc Physics	Gobi Arts and Science College, Gobichettipalayam, Erode	Bharathiar University	1997-2000	78.80 % (1980/2500)
XII (Biology Group)	Kumutha Mat. Hr Sec School, Nambiyur, Erode	Board of higher Secondary Examination	1997	76 % (912/1200)
X Matric	Kumutha Matriculation School, Nambiyur, Erode	Matriculation	1995	78.63 (865/1100)

TEACHING EXPERIENCE:

Engineering College teaching experience : 8 Years

Arts & Science College teaching experience : 2 Year & 5 Months

Total teaching Experience : 10 Years & 5 Months

RESEARCH EXPERIENCES:

Name of Institution	Designation	Period	Areas
Indo-Norwegian collaborative project, Coimbatore Institute of Technology	Research Scholar	May 2015 to June 2016	NiO nanomaterials for magnetic storage devices

GOOGLE SCHOLAR CITATIONS: (As on 06.10.2017)
https://scholar.google.com/citations?user=j9QRFH4AAAAJ

Citation Indices	All	Since 2012
Citations	12	12
h-index	1	1
i10-index	1	1

LIST OF PUBLICATIONS :

International Journals

1. **Ponnusamy P.M,** Agilan S & Muthukumarasamy N, Senthil T.S, Rajesh G, Venkatraman M.R, & Dhayalan Velauthapillai, 2016, 'Structural, optical and magnetic properties of undoped NiO and Fe-doped NiO nanoparticles synthesized by wet-chemical process', **Materials Characterization**, vol.114, pp.166-171, (ISSN:1044-5803, **I.F:1.845**).

2. **Ponnusamy P.M**, Agilan S & Muthukumarasamy N, Raja M & Dhayalan Velauthapillai, 2015, 'Studies on cobalt doped NiO nanoparticles prepared by simple chemical method', **Journal of Materials Science: Materials in Electronics**, vol.27(1), pp.399-406, (ISSN 0957-4522, **I.F: 1.789**).

3. **Ponnusamy P.M,** Agilan S & Muthukumarasamy N & Dhayalan Velauthapillai, 2015 'Effect of chromium and cobalt addition on structural, optical and magnetic properties of NiO nanoparticles', **International journal of research in physical chemistry and chemical physics**. DOI:10.1515/zpch-2015-0678. (ISSN:0942-9352, **I.F:1.356**).

4. **Ponnusamy P.M**, Agilan S & Muthukumarasamy N, 2015, 'A simple route synthesis of Cr-doped NiO Nanoparticles and their characterisation studies', **International Journal of Chemical Sciences**", vol.13(2), pp.683-692, (ISSN 0972-768X).

5. N.Prabhu, S.Agilan, N.Muthukumarasamy, T.S.Senthil, **P.M.Ponnusamy,** 2016, "Improved Performance of Nanocrystalline Al -WO3 - TiO2 based Solar Cells by Solvo Thermal Method", **Journal of Advances in Chemistry**, Vol.12(6), 4481-4487, ISSN 2321-807X.

6. E. Thamarai Selvi, S. Meenakshi Sundar, P.Selvakumar, **P.M.Ponnusamy,** 2017, 'Structural, Optical and Magnetic properties of SnO_2 Quantum Dot', **Journal of Materials Science: Materials in Electronics**, DOI: 10.1007/s10854-017-6465-x, (**IF:1.798**).

PROJECT DETAILS:

Ph.D Project : Structural, Optical and Magnetic Properties Of NiO And Transistion Metal (Cr, Co and Fe) Doped NiO Nanoparticles.

M.Phil Project : Preparation and characterization of PVdF-CO-HFP based Nano Composite Polymer electrolyte for Lithium battery.

MSc Main Project : Preparation and characterization of PVdF based gel Polymer electrolyte for Lithium Battery application.

MSc Mini Project : Studies on polymer electrolytes for Lithium Batteries.

PAPER PRESENTED IN INTERNATIONAL CONFERENCES:

1. Presented a research paper entitled **"Synthesis and characterization of Nanocrystalline NiO by chemical precipitation method"** in the **International Conference** on Nanomaterials for Frontier Applications and Indo-Norwegian Workshop on Advanced Materials for Solar Cell Applications Organised by Coimbatore Institute of Technology, Coimbatore during 10-12 july 2013.

2. Presented a research paper entitled **"Doping effect of Li on NiO semiconductor: An investigation of structural, optical and magnetic properties"** in International Conference on Nanomaterials for Frontier Applications(ICNFA 2015), Coimbatore Institute of Technology, Coimbatore, India, during 2-4 december.

SEMINARS AND WORKSHOP ATTENDED:

1. Posted a research paper entitled **"A simple route synthesis of wide band gap nanocrystalline Fe-doped NiO by chemical precipitation method",** in International workshop on theoretical and experimental physics on 30th December 2015 at PSG Collge of Technology, Coimbatore.

2. Participated in **1**-day **Work Shop** on "**Measuring Techniques for Nanotechnology"** organized by PSG Institute of Advanced Studies &Agilent Technologies during 25th june 2013.

3. Participated in **3**-days **National seminar** on "**Crystal Growth"** organized by Crystal Growth Centre, Anna University, Chennai during 20-22 Dec 2012.

4. Participated in **2**-days **State level conference** on "**Thin Film Technology"** organized by Gobi Arts and Science College during 19th & 20th August 2006.

5. Participated in 2-days workshop on "**Spectroscopy and its application**"organized by Kongunadu Arts and Science College, Coimbatore and Indian Academy of Science , Bangalore during 26th &27th Febuary 2005.

6. Participated in 1-day **UGC sponsored state level seminar** on **"Green Energy for Sustainable Living"** organized by Nirmala College for Women, Coimbatore during 5th August 2005.

7. Participated in 2- days National workshop on "**Industrial Electroplating and metal finishing"** organized by CECRI, Karaikudi and conducted in Coimbatore Institute of Technology, Coimbatore during 12th & 13th july 2002.