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#### Educational Qualifications (Chronologically reverse)

- Ph. D 1984-1988, University of Madras (Dept. of Physical Chemistry)
- UGC NET JRF 1984
- M.Sc (Chemistry), 1983, 75% marks, I Class, Madurai Kamaraj University
- B.Sc (Chemistry), 1981, 82% marks, I Class, Madurai Kamaraj University

#### Academic Affiliation

- Professor, Manonmaniam Sundaranar University, July 2006 – Till date
- Brain Pool Scientist, KRICT, Korea, December 2006 – May 2008
- Reader, Manonmaniam Sundaranar University, 1998 – 2006
- Lecturer (Senior Scale), Manonmaniam Sundaranar University, 1995 – 1998
- Lecturer, Manonmaniam Sundaranar University, 1995 – 1990
- POST Doctoral Fellow, 1989-1990 University of Madras (Dept. of Energy)

#### Professional Affiliation

- ❖ Member, Board of Studies, Dept of Chemistry, Manonmaniam Sundaranar University
- ❖ Member, Board of Studies in Chemistry, Sarah Tucker College, Tirunelveli – 11
- ❖ Member, Mano College Committee, Manonmaniam Sundaranar University
- ❖ Associate Editor - College Sadhana, A Bi-annual Multidisciplinary Publication (ISSN 0974-6838) from V.H.N.S.N. College, Virudhunagar
- ❖ Life Fellow, Indian Council of Chemists F 674
- ❖ Life Fellow, Materials Research Society of India (MRSI), LM B280

#### Training and Consultancy

- Industrial consultancy on Encapsulation of arsenic sludge with M/s SPIC Ltd.

#### Areas of Research

- Synthesis, Characterization and Application of conducting polymer materials
- Design and function of sensor devices
- Photocatalysis & solar energy conversion
- Assessment and removal of water pollutants
- Polymer-ligand complexes in relation to the biological role of proteins

Research Guidance : Ph.D (guided 3 + under guidance 2); M.Phil - 11

Research Projects : 1 Major & 2 Minor Projects completed; DST – SERC Project on-going

Publications

No. of Research Papers published in refereed journals : National-11; International-30

1.	<b>E Subramanian</b> and R Dhana Ramalakshmi Pristine, purified and polyaniline-coated tamarind seed ( <i>Tamarindus indica</i> ) biomaterial powders for defluoridation: Synergism and enhancement in fluoride-adsorption by polyaniline coating <i>J. Sci. Ind. Res.</i> <b>69</b> , 621-628 (2010)
2.	<b>E. Subramanian</b> , Jin-Ook Baeg, S. M. Lee, Sang-Jin Moon, Ki-jeong Kong Nanospheres and nanorods structured Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>2-x</sub> Ga <sub>x</sub> O <sub>3</sub> photocatalysts for visible light mediated ( $\lambda \geq 420$ nm) H <sub>2</sub> S decomposition and H <sub>2</sub> generation <i>Int. J. Hydrogen Energy</i> , <b>34</b> , 8485-8494 (2009). (IF = 2.612)
3.	Chan Beum Park, Sahng Ha Lee, <b>E. Subramanian</b> , B. B. Kale, Sang Mi Lee, and Jin-Ook Baeg Solar energy in production of L-glutamate through visible light active photocatalyst - redox enzyme coupled bioreactor <i>Chem. Commun.</i> , 5423–5425 (2008). (IF = 4.521)
4.	<b>E. Subramanian</b> , G. Anitha, N. Vijayakumar Constructive Modification of Conducting Polyaniline Characteristics in Unusual Proportion Through Nanomaterial Blend Formation with the Neutral Polymer Poly(vinyl pyrrolidone) <i>J. Appl. Polym. Sci.</i> <b>106</b> , 673-683 (2007). (IF = 1.306)
5.	G.Anitha and <b>E.Subramanian</b> Recognition and exposition of intermolecular interaction of CH <sub>2</sub> Cl <sub>2</sub> and CHCl <sub>3</sub> by conducting polyaniline materials <i>Sens. Actuators</i> <b>107</b> , 605 - 615 (2005). (IF = 2.39)

Awards

1. Secured the Young Scientist Best paper award from ICC, 1993
2. INSA Visiting Fellowship for 2003-2004 to visit and work at IISc., Bangalore.
3. Secured the INSA award 2004-2005 to visit BRAZIL to work on SENSORS

Declaration

I hereby declare that, the information provided by is true to the best of my knowledge.

(Head of the Department)

(Signature of the Faculty)