

Name of the Staff: **P.MANI**
Designation: **Assistant Professor**
Date of Birth: **15/04/1975**



Educational Qualification:

- Ph.D (Thin Films) from Anna University, Chennai (pursing)
- M.Phil.,(physics) from Madurai Kamaraj University, Madurai (2008)
- M.Sc.,(physics) from Madurai Kamaraj University, Madurai (1997)
- B.Sc.,(physics) from Madurai Kamaraj University, Madurai (1995)

Specilization: Thin Films

Email: maniprahaspathy@rediffmail.com

Professional Experience:

- **Assistant Professor (2009- Present):** Bharathidasan Institute of Technology, Anna University, Tiruchirappalli
- **Lecturer (2007- 2009):** Bharathidasan Institute of Technology, Anna University, Tiruchirappalli
- **Lecturer (2002 - 2007):** Periyar Maniammai University, Vallam, Thanjavur.
- **Lecturer (1997 - 2002):** K.M. College, Adirampattinam, Thanjavur District.

Awards and Honours :

- Life Member - Association of Computer Society of India
- Life Member - Indian Society for Technical Education
- Life Member - Solar Energy society of India
- Life Member - Member in International Association of Engineers.
- International Award Received for Outstanding Service as District Rotaract Representative by Rotary International Dist. 3210. The region covered southern regions of Tamilnadu & Kerala.

Publications

(i) Internationally Refereed Journals

1. K. Manikandan , **P.Mani**, P. Fermi Hilbert Inbaraj, S.Valli, Dr. J. Joseph Prince Influence on Optical Properties of Cadmium Sulphide By Manual Deposition of SILAR Method, **International Journal of Engineering Science and Technology (IJEST) ISSN : 0975-5462 Vol. 4 No.05 May (2012), 2421.**
2. K.Manikandan, **P.Mani** & J. Joseph Prince, Influence of increasing molar concentration on the structural, morphological and optical properties of Fe_xS_x nano thin films deposited by SILAR method, **Journal of opto electronics and advanced materials (Manuscript submitted). I.F:0.47**
3. K Manikandan, **P Mani**, P Fermi Hilbert Inbaraj, T Dominic Joseph , V.Thangaraj & J Joseph Prince, Influence of molar concentration on structural, morphological and optical properties of CdS thin films obtained by SILAR method, **Indian journal of pure and applied physics, (Manuscript submitted). I.F:0.76**
4. K. Manikandan, **P. Mani**, C. Surendra Dilip, S. Valli, P. Fermi Hilbert Inbaraj and J. Joseph Prince, Effect of complexing agent: The structural, morphological, topographical and optical properties of $Fe(x)S(x)$ nano thin films deposited by SILAR method, **Euro physics letters, (Manuscript submitted). I.F:2.17**
5. K.Manikandan, Surenthira dillep ², **P.Mani** ¹, S.Valli ³, J. Joseph Prince ¹, Influence of complexing agent EDTA, The structural, optical and morphological studies on Iron sulfide (Fe_xS_x) thin film by SILAR method, **Materials Chemistry and Physics (Manuscript submitted). I.F:2.385**

(ii) International Conferences

1. **P.Mani**, K Manikandan, P. Fermi Hilbert Inbaraj, T.Dominic Joseph, Dr.J. Joseph Prince - STRUCTURAL AND OPTICAL PROPERTIES OF CdS THIN FILMS OBTAINED BY SILAR METHOD, Inter National Conference on Advanced Materials and Applications- NCAMA2013 held at Indra Ganesan College of Engineering, Tiruchirappalli during 4th - 5th April 2013.
2. **P.Mani**, Dr.S.Balasubramaniam - Valluvarin Samudhaaya nokku (Social Views of Valluvar), International Conference on Thirukkural, organized by International Institutes of Tamil Studies and Anna University, Chennai. 15th -18th Jan, 04.

3. P.Mani & Dr. V. Sukumar Providing Urban Amenities in Rural Areas for women Empowerment & Renaissance Through ICT, Annamalai University, Chidambaram, . University Grants Commission, on 19th – 20th Dec, 2005
4. P.Mani, Quality Enhancement in Educational Communication Value Based Education, Department of Educational Technology, Bharathidasan University on 29th & 30th March, 2008.

(iii) National Conferences

1. **P.Mani**, K Manikandan & J.Joseph Prince, Structural and Morphological Properties of $Fe_x S_x$ Thin Films Deposited by SILAR Technique, National Conference on Frontier Topics in Advanced Materials(NCFTAM) to be held at 04.03.2013. Bishop Heeper College, Trichy -17.
2. **P.Mani**, K Manikandan, P.Fermi Hilbert Inbaraj, A.Iruthayaseelan, S.Syed Zahirullah, T.Domnic Joseph and J.Joseph Prince Effect of increasing molar composition on the structural, morphological and optical properties of $Fe_x Cd_{1-x} S_y$ nano thin films deposited by SILAR method, CSIR sponsored national seminar on novel materials (NSNM 2013) 08th MARCH – 2013,Department of Physics, Shivani Engineering College.
3. **P.Mani**, K Manikandan & J.Joseph Prince, Influence of increasing molar concentration on the structural, morphological and optical properties of $Fe_x S_x$ nano thin films deposited by SILAR method National Seminar on Recent Trends in Crystal Growth and Nano Materials, NSCGNM-2013 sponsored by UGC during 13-15, March 2013 to be held at PG and Research Department of Physics, National College (Autonomous), Tiruchirapalli.
4. **P.Mani**, K Manikandan, S.Valli, A.Iruthayaseelan, J.Joseph Prince, structural, topography and optical properties of CdS thin films by manual SILAR technique. National conference on NCMPCE 13,15th march 2013, Kongunadu College of engineering and technology, ISBN: 978-81-909244-1-2.
5. **P.Mani** K Manikandan, S.Valli, A.Iruthayaseelan, J.Joseph Prince, Influence on optical properties of CdS thin films by manual SILAR method. National conference on NCMPCE 13,15th march 2013, kongunadu college of engineering and technology, ISBN:978-81-909244-1-2.
6. **P.Mani**, K Manikandan, P. Fermi Hilbert Inbaraj, T.Dominic Joseph, Dr.J.Joseph Prince, STRUCTURAL AND OPTICAL PROPERTIES OF CdS THIN FILMS OBTAINED BY SILAR METHOD, National Conference on Advanced Materials and Applications-NCAMA2013 to be held at NIT Tiruchirappalli during 4th - 5th April 2013.

7. **P.Mani**, Recent Threats & Trends in Mobile Phone Communication, Dept. of E.C.E., PMCTW, Vallam Thanjavur, Indian Society for Technical Education on 14th -16th Dec, 2006.
8. **P.Mani**, E-Waste Management, Dept. of Civil Engg. & PCEM, PMCTW, Vallam Thanjavur, Indian Society for Technical Education 14th & 15th Oct 2005.
9. **P. Mani**, Value Based Technical Education Bannari Amman Instt. Of Tech., Sathyamangalam, Indian Society for Technical Education on 19th – 20th Dec, 2005.
10. P.Mani, Recent Trends in Crystal Growth Processes & Applications, Nehru Memorial College, Puthanampatti, University Grants Commission Trichy. 09th & 10th Mar, 2001.
11. **P.Mani**, Innovations in Engineering Education Trends & Focus, P.S.N.A.College of Engg. & Tech. Dindugal, Indian Society for Technical Education on 28th & 29th Oct, 2005.

Seminar/Conference/Workshop Attended and Conducted

ORGANIZED TRAININGS/SEMINARS/ CONFERENCES:

1. EXTOP '97 - (Exchange the Thoughts Of Physics '97), as General Secretary VHNSN College, Virudhunagar on Feb '97.
2. "INFEX '99" (Information Exchange '99) as staff Coordinator, K.M.C, Adirampattinam on Sep '99.
3. National Conference TECHNOCRATS '05 as staff Coordinator, PMCTW, Vallam, Thanjavur on Sep '05, Treasury Officers Training Programme May '07.
4. Concurrent Career Development Programme, as staff Coordinator, PMCTW, Vallam, Thanjavur on July '07.
5. Police Officer's Training Programme, as staff Coordinator, PMCTW, Vallam, Thanjavur on May '05.
6. Staff Development Program, as staff Coordinator, PMCTW, Vallam, Thanjavur on Feb '06.
7. Faculty Development Program, as staff Coordinator, PMCTW, Vallam, Thanjavur on Feb '07.

8. Organizing Secretary - National Seminar on Material Science & Engineering, Anna University, BIT Campus, Trichy on Dec '13.
9. Co-coordinator - National Workshop on Opto electronics & advanced materials Anna University, BIT Campus, Trichy on Dec '13
10. Organising Committee Member – Advances in Physics & Applied Research for Technologists – Faculty Development Program, Anna University, BIT Campus, Trichy on Dec '13
11. *Convener – Science Expo '14*, Anna University, BIT Campus, Trichy on Feb '14.
12. Organizing Secretary – National Science Day celebrations, Anna University, BIT Campus, Trichy.
13. Better Youth Better Tomorrow – Personality Development Program series for Rotaractors, Anna University, BIT Campus, Trichy.

ATTENDED TRAINING / WORKSHOPS / SEMINARS/CONFERENCES:

1. 'Kani Tamil' (Tamil Computing Conference), Thamizh Virtual University, Chennai on 15th & 16th feb 2003.
2. National Conference of Computer Society of India, Computer Society of India. & Srimathi Indira Gandhi College, at Hotel Femina Trichirappalli on Mar 2000.
3. Workshop On Teaching Learning Process by Ms.Patricia & Ms.Gayle Canada, Periyar Maniammai College of Technology for Women, Vallam 20th - 25th, Nov 2003.
4. Workshop On Teaching Learning Process, Periyar Maniammai College of Technology for Women, Vallam on 12th - 15th, Jul 2004.
5. Workshop On Advanced Teaching Learning Process, Periyar Maniammai College of Technology for Women, Vallam on 29.11.04 – 02.12.04.
6. Faculty Development Programme on Professional Ethics, Periyar Maniammai College of Technology for Women, Vallam on 21st - 26th, May 2004.
7. Faculty Development Programme on Material Science, College of Engineering, Guindy, Chennai on 08th - 12th Dec 2003.

8. AICTE & ISTE Sponsored Summer School – A Laser and its Applications, Meenakshi Ammal Polytechnic College, Uthiramerur on 3rd– 16th March 2004.
9. Induction Training Program on Hybrid Energy system, ISTE – P.M.C.T.W, Vallam on 29.05.06 to 11.06.06.
10. 4 day National level Seminar on “SOLAR AND SOLAR TERRESTRIAL PHYSICS”, Kodaikanal observatory on Sep ’96.
11. 13 Training programme of Art of Living- Pranayama, Asanas & Meditation, Sahaja Samadhi Yoga on Jan ’96.
12. Bhathidasan University Voluntary Blood Donor’s Association Project Officer’s Workshop, Bharathidasan University Academic Staff College & Bharathiyar University. On Sep ’00.
13. Workshop on Periyarism, Self Respect Movement, PMCTW, Vallam on Mar ’07.
14. Undergone training on E-Governance & PURA Review by the President of India His Excellency Dr. A.P.J. Abdul kalam Rashtrapathy Bhavan, New Delhi 2006.
15. Personality development through YOGA, **Vethathiri Maharishi Kundalini Yoga and Kayakalpa Research Foundation, Temple of Consciousness, Arut perum jothi Nagar, Aliyar-642 101, Pollachi Taluk, Coimbatore(District).**2006.
16. **APT HEAT, Department of Physics, Anna University of Technology, Tiruchirappalli. India 2010.**
17. NANOREVELATIONS, National Symposium on awareness of Nano science and Technology, Division of Nano science & Tech., Department of Physics, **Anna University of Technology, Tiruchirappalli. India. Sept 9th 2010.**
18. SINST2010, National seminar on Societal Implications of Nanoscience and Technology **2010.**
19. Personality development through YOGA, **Vethathiri Maharishi Kundalini Yoga and Kayakalpa Research Foundation, Temple of Consciousness, Arut perum jothi Nagar, Aliyar-642 101, Pollachi Taluk, Coimbatore(District). 2012.**
20. National Symposium on Recent Trends in Nanoscience and Technology, Division of Nano science & Tech., Department of Physics, Bharathidasan institute of technology Campus, Anna university, Tiruchirappalli – 620024 2013.

21. National Conference on Frontier Topics in Advanced Materials (NCFTAM), **Bishop Heber College, Trichy -17 on 04.03.2013.**
22. Mini Colloquium on Nanofabrication Technologies in Association with INUP, center for excellence in Nanoelectronics, Division of Nano science & Tech., Department of Physics, **Bharathidasan institute of technology Campus, Anna university, Tiruchirappalli – 620024.** IIT-Bombay on March 25-26, 2013.
23. National conference on NCMPCE, **kongunadu college of engineering and technology, thottiam on 13 - 15th march 2013.**
24. CSIR sponsored national seminar on novel materials (NSNM 2013), Department of Physics, **Shivani Engineering College, Trichy on 08th MARCH – 2013.**
25. National Seminar on Recent Trends in Crystal Growth and Nano Materials, NSCGNM-2013 sponsored by UGC, **PG and Research Department of Physics, National College (Autonomous), Tiruchirappalli on 13-15, March 2013.**
26. National Conference on Advanced Materials and Applications- NCAMA 2013, **NIT Tiruchirappalli.**
27. one day workshop on **Photocatalysis for Sustainability: Fundamentals Applications** (PHOCATS-2013), Department of chemistry, **Bharathidasan institute of technology Campus, Anna university, Tiruchirappalli – 620024 on 9 October 2013.**
28. Science Academies sponsored Two-day Lecture Workshop on “Recent Advances in Materials Chemistry” - (RAMC'14) - *March 7 & 8, 2014*, Department of chemistry, Bharathidasan institute of technology Campus, Anna university, Tiruchirappalli – 620024.