

ST. THOMAS COLLEGE, KOZHENCHERRY

DEPARTMENT OF PHYSICS

FACULTY BIOSKETCH



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➤ **Brief Overview** :

Dr. Susan Mathew completed her M.Sc degree in Physics with 1st Rank from Kerala University in 1988. She is serving as Faculty, Department of Physics of this college since August 1989. She also completed her M.Phil. from Kerala University in 1992 and Ph.D. from M.G. University in 2009. She is involved in various academic activities with her expertise and experience as head of various committees under MG University.

➤ **Area of Specilization** : Thin films, Electronics

➤ **Publications** :

- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar, Effect of annealing on the electrical properties of gallium phthalocyanine chloride thin films. *Optoelectronics and Advanced Materials-Rapid Communications* Vol.1, No.7, (2007) 339.
- **Susan Mathew**, C. Sudarsanakumar and C. S. Menon, Optical, electrical and structural characterization of gallium phthalocyanine chloride thin films. *Optoelectronics and Advanced Materials-Rapid Communications* Vol.1, No.11, (2007) 614.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar, Effect of thickness on the absorption spectra of GaPcCl, SnPcO and AlPcOH thin films. *Optoelectronics and Advanced Materials-Rapid Communications* Vol.2, No.6, (2008) 349.
- **Susan Mathew**, C. S. Menon and C.Sudarsanakumar, Spectral, thermal and structural studies on aluminium phthalocyanine hydroxide thin films, *Optoelectronics and advanced materials- Rapid communications* Vol. 4, No.1, (2010) 63-69.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar , Determination of the activation energy of Gallium Phthalocyanine Chloride thin films from its electrical studies. *18th Kerala Science Congress* 29- 31 January 2006, CESS, Akkulam, Thiruvananthapuram.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar , Optical and Electrical studies on Gallium phthalocyanine chloride thin films. *7th National Conference on Solid State Ionics*, 6-8 June 2006, Bharathiar University, Coimbatore, Tamil Nadu.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar ,Effect of annealing on the activation energy of Gallium phthalocyanine chloride thin films , *National Conference on Current Trends in Material Science*,25-27 March 2007,Christian College, Chengannur. Kerala.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar, Determination of the activation energy of Tin phthalocyanine oxide films from its electrical studies. *16th Swadeshi Science Congress* 7-9 November 2006, Parumala, Kerala.

- **Susan Mathew** and C. S. Menon, Effect of air annealing on the electrical properties of Tin phthalocyanine oxide thin films. *19th Kerala Science Congress* 29- 31 January 2007, Kannur.
- **Susan Mathew** and C. S. Menon, Optical characterization of vacuum deposited thin films of Tin phthalocyanine oxide semiconductor. *International conference on Materials for the Millennium.*, Cochin University of Science and Technology, Kochi, 1-3 March 2007.
- **Susan Mathew** and C. S. Menon , Effect of annealing on the electrical properties of Aluminium phthalocyanine hydroxide thin films, *National conference on Smart Materials and Recent Technologies*, , Sri Venkateswara University, Tirupati, 22-23 February 2007.
- **Susan Mathew** and C. S. Menon, Thickness and temperature dependence of electrical conductivity of Aluminium phthalocyanine hydroxide thin films prepared by vacuum evaporation, *National Conference on Current Trends in Material Science*, Christian College, Chengannur, Kerala, 25-27 March 2007.
- **Susan Mathew**, C. S. Menon and C. Sudarsanakumar, Optical characterization of Aluminium phthalocyanine hydroxide thin films. *International conference on advanced materials*, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala, 18-21 February 2008.

➤ **Career Profile:**

1. Vice President of Women's Cell, 2009- 2010.
2. Member IQAC Subcommittee - "Infrastructure and Learning Resources".
3. Committee member of Tutorial system, 2012-2013.
4. Member, Science Club.