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**Dept of Mechanical Engineering,**  
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**Overview:-**

Mr.C Uthirapathy Working as an Assistant Professor in the Department of Mechanical Engineering at SRMIST,Ramapuram. He Pursuing Ph.D in Department of Mechanical Engineering, SRMIST, Chennai, Tamilnadu, India. He secured Master of Engineering in Computer Integrated Manufacturing at Anna University (CEG Campus), Chennai, Tamilnadu, India. He Pursued U.G. in E.G.S.Pillay Engineering College, Nagapattinam, Tamilnadu, India. He is in teaching profession for more than 13 years. He has presented number of papers in National and International Journals, Conference and Symposiums.

**Areas of Research:**

Bio Materials, Surface Coating and Nanotechnology

**Orcid ID:** <https://orcid.org/0000-0002-0305-8975>

**Scopus Author ID:** 57220008562

**LIST OF PUBLICATIONS**

**1) Thermal characteristics of yttria stabilized zirconia nanolubricants**

Ganapathy Sakthinathan, Raju Saravanan, Chandrasekaran Uthirapathy

Year: 2012

Journal: Thermal Science

Volume 16

Issue 2

Pages 481-487

**2) Experimental investigation of solar steam generator using nanocoating**

C Uthirapathy, G Swaminathan, A Mathivanan, SD Kumar, G Manikandan,

Year: 2020

Journal: Materials Today: Proceedings

Volume: 33

### **INTERNATIONAL CONFERENCES**

1. C Uthirapathy, R Saravanan, and G Sakthinathan, “Study of thermal properties on calcia stabilised zirconia Nano Particles”, ‘International conference on Thermal Energy and Environment- ICOTEE 2011’, Department of Mechanical Engineering, Kalasalingam University, March-2011
2. C Uthirapathy, and G Sakthinathan “Synthesis of Calcia Stabilised Zirconia Nano Particles using Planetary Ball Mill”, ‘International Conference on Recent Advances in Mechanical Engineering- INCRAME 2011’, Department of Mechanical Engineering, Dr.M.G.R University, Chennai, April-2011.
3. R. Saravanan, C. Uthirapathy, Dr. G. Sakthinathan. “Synthesis of Aluminium oxide nanoparticles using planetary ball mill”, ‘ International conference on Engineering, Science and Technology ICEST 2011’, Dhanalakshmi srinivasan college of Engineering, pg. 335-339, April-2011.

### **NATIONAL CONFERENCES**

1. C Uthirapathy, R Saravanan, T Thanga mayil rajan, S Vetrivel and G Sakthinathan, “Development of copper Nano Particles using Planetary Ball Mill”, ‘National conference on Recent Trends in Manufacturing Technology- RTMT2011’, Department of Manufacturing Engineering, College of Engineering, Anna University, Chennai, March-2011
2. R. Saravanan, C. Uthirapathy, Dr. G. Sakthinathan, “Thermal characterization of Aluminium oxide nanoparticles”, ‘National conference on energy efficient Mechanical system design and Manufacturing EMSDM 2011’, PSG college of Technology, March-2011.
3. R. Saravanan, C. Uthirapathy, Dr. G. Sakthinathan, “Thermal characterization of TiO<sub>2</sub> nanoparticles”, ‘National conference on Advances in Mechanical Sciences AIMS-2011’, Kumaraguru college of Technology, pg. 32-36, March-2011.
4. R. Saravanan, C. Uthirapathy, Dr. G. Sakthinathan, “Analysis of TiO<sub>2</sub> nanoparticles”, ‘National conference on Research perspectives in Mechanical

Engineering REPMEC-2011', Sri Venkateswara college of Engineering, April-2011.

### **TECHNICAL SKILLS**

Experiences in

- Developing Carbon nano Tube(CNT).
- Physical Vapor Deposition(PVD) .
- Chemical Vapor Deposition(CVD).
- Non-Contact Surface Roughness.
- Pin on Disc.
- Abrasion Test.
- Dilatometer.

### **SOFTWARE SKILLS**

- AUTOCAD 2007.
- PRO-E Wildfire-4.
- SOLIDWORKS2010.
- FINITE ELEMENT METHOD USING ANSYS.