Dr.V.T. SRISUVETHA,M.Sc.,
B.Ed., M.Phil., Ph.D

CONTACT

4F, SFS Stanford Apartment,
Pullipra,Mukkoloakkal Post,
Trivandrum,Kerala - 695081

Mobile:9003644796, 8248773683
Mail: srisuvetha16gmail.com

Personal Profile

DOB	: 16-07-1990
Sex	: Female
Nationality	: Indian
Religion	: Hindu
Marital Status	: Married

Experience in Preparation of Nano- Materials / Thin Film Coating Techniques

- Chemical Vapour Deposition (CVD)
- Chemical Bath Deposition
- Chemical Bath Deposition /Sol Gel/ Dip coating
- Sonication Method
- Hydrothermal/ Solvothermal method
- Reflux Condensation Technique

Specialization

Nanotechnology & Material Sciences

Skill

- Computer skills
- Creative thinking skills
- Problem-solving skills
- Project management skills
- Soft skills and hard skills
- Time management skills

ABOUT

A challenging, growth-oriented career in the field of research that helps leverage my strengths to achieve a healthy relationship with my organization and at the same time ensuring a satisfaction of contributing something to the scientific society.

EDUCATION

1. **2022 Doctor of Philosophy in Physics**
   Major: Nanotechnology
   Women's Christian College, Nagercoil,
   Manonmaniam Sundaranar University, Tirunelveli.
2. **2013-2014. Master of Philosophy in Physics**
   Major: Nanotechnology, Secured 73%
   Sacred Heart College, Tirupattur,
   Thiruvalluvar University – Vellore.
3. **2011-2013 Master of Science**
   Major: Physics, Secured 75%
   Vivekanandha College of Arts & Sciences for Women. (Autonomous)Tiruchengode, Periyar University
4. **2010-2011, Bachelor of Education,**
   Major: Physics, Secured 81%
   Amrita College Of Education, Tirupattur, Tamilnadu Teachers Education University
5. **2007-2010, Bachelor of Science,**
   Major: Physics, Secured 60%
   Vivekanandha College of Arts& Sciences For Women. (Autonomous)Tiruchengode, Periyar University

RESEARCH PROFILE

- Papers published in international journals = 7
- Papers published in national journals = 04
- Papers published in international conferences = 20
- Papers published in national conferences = 15
- Papers published in state level conferences = 10

REFERENCE

Dr.R.A.Jayakumar,
Principal
M.G.College of Engineering
Vandithadam,
Tiruvanthapuram, Kerala.
Cell: +91 9486481454

Dr.John Jacob
Head of the Department
Department of Physics
Mar Ivanios College Arts and Science College
Tiruvanthapuram,Kerala.

Work Experience:

Assistant Professor- working in Mar Ivanious Arts and Science College, Department of Physics Thiruvanthapuram.

Associate professor- Worked in MG College of Engineering, From June to October 2023 Thiruvallam.

Assistant Professor - Worked in Gonzaga Women's Arts and Science College, Department of Physics, Kathambalam, Elethagiri, Krishanagiri District from Jan 2021 till June 2022

Research Experience – Six years of Research Experience in Department of Physics, Women's Christian College, Nagercoil

Projects - Guided seven projects in the field of Nanotechnology for PG students.

BT Assistant in Science - Worked in Govt High School, Thiruvanapatti, Krishnagiri District from Aug 2014 till Apr 2016

List of Publications:

1. **V.T. Srisuvetha**, S.L. Rayar, G. Shanthi, A.Dhayal Raj "Growth Mechanisms of MgO Nanocrystals via a Sol-Gel Synthesis Using Different Complexing Agents"The paper is tentatively scheduled for publication in the Volume 7, Issue 3 "March-2018" issue.(Impact Factor:5.1)

2. **V.T. Srisuvetha**, S.L. Rayar, G. Shanthi, A. Dhayal Raj "High Performance visible light photocatalytic Objective: Work Experience: Academic Education: Published Journals: activity of MgO Nanostructures by using simple Sol-gel Technique" International journal of current engineering and scientific research(IJCESR),. Volume – 5, Issue-12, 2018, ISSIN (PRINT): 2393-8374

3. **V.T. Srisuvetha**,S.Karthikeyan,M.Parthibavarman.Morphology and Vibrational modes of Lanthanum Oxide Nanoparticles prepared with Reflux Routes at Different Reaction Times Springer published 12 august 2022

4. S Karthikeyan,**V.T. Srisuvetha**, One –Pot achievement of La203/MnO2 nanocomposites as efficient electrodes for asymmetric supercapacitors. 34, Article number: 412 (2023) ,Published in Springer.

5. S Karthikeyan,**V.T. Srisuvetha** ,Synthesis and characterizations Of MgO nano-structured materials for opto-electronic and nano-Photonic utilities. Article number: 613 (2023) ,Published in Springer

6. S Karthikeyan, **V.T. Srisuvetha**, S Vadivel, P Sathya, Ehab El Sayed Massou, Vasudeva Reddy Minnam Reddy, Woo Kyoung Kim, P Sasikumar "Study on preparation and performance of electrochemical supercapacitor based on La2O3/CNTs composites for energy storage applications" Chemical Physics (I.F.2.3) 568, 1 2023, 111849 https://doi.org/10.1016/j.chemphys.2023.111849

7. S Karthikeyan, P. Sasikumar, F. Mary Anjalin, **V. T. Srisuvetha,** S. N. Saravanamoorthy K. SenthilKannan "Synthesis and characterizations of MgO nano-structured materials for opto- electronic and nano-photonic utilities" Journal of Materials Science: Materials in Electronics (I.F. 2.8) 34, 613 (2023) https://doi.org/10.1007/s10854-023-10047-z

8. V. T. Srisuvetha, S. Karthikeyan, P. Sangeetha, E. Glitta Sumangali, Mohd. Shkir, Vasudeva Reddy Minnam Reddy, I. M. Ashraf, Woo Kyoung Kim T. Sumathi "A highly porous MgO entrenched MWCNT composite as a low-cost Pt-free counter electrode for dye-sensitized solar cells and visible light photocatalytic performance towards Congo-red" Journal of Sol-Gel Science and Technology (I.F. 2.5) 106, 590–601 (2023) https://doi.org/10.1007/s10971-023-06071-4

9. V. T. Srisuvetha S. Karthikeyan, P. Sathya, M. Robert Chandran, , Mohd. Shkir, Ehab El Sayed Massoud "One-pot achievement of La2O3/MnO2 nanocomposites as efficient electrodes for asymmetric supercapacitors" Journal of Materials Science: Materials in Electronics (I.F. 2.8) 34, 412 (2023) https://doi.org/10.1007/s10854-023-09848-z

10. S. Karthikeyan, M. Selvapandiyan, P. Sasikumar, M. Parthibavaraman, S. Nithiyanantham, **V.T. Srisuvetha** "Investigation on the properties of vanadium doping WO3 nanostructures by hydrothermal method" Materials Science for Energy Technologies 5, 2022, 411-415 https://doi.org/10.1016/j.mset.2022.10.002

11. S. Karthikeyan, M. Parthibavarman, Mustafa K. A. Mohammed, Safa H. Mohammed, M. Selvapandiyan , **V. T. Srisuvetha** "Morphology and Vibrational Modes of Lanthanum Oxide (La2O3) Nanoparticles Prepared with Reflux Routes at Different Reaction Times" Chemistry Africa (I.F. 2.6) 5, 1427–1432 (2022) https://doi.org/10.1007/s42250-022-00448-8

12. V.T. Srisuvetha, A. Dhayal Raj, S.L. Rayar , G. Shanthi ,S. Karthikeyan "Effect of Precursor Concentration of MgO Nanostructure by using Sol-Gel Method" Mechanics, Materials Science & Engineering 5 2017 73-77

Declaration:

I hereby declare that all the information given above is true to the best of my knowledge and belief.

Date :

Place :

Yours's sincerely

(Dr.V.T.Srisuvetha)