



N. Suresh, Ph.D.

Email: sureshsvm1984@gmail.com / Mobile: 9894494642

Objective:

Dedicated and accomplished Physics educator with a Ph.D. in Physics and a robust academic background, seeking a challenging teaching position to contribute my expertise in fostering an engaging learning environment while promoting research and academic excellence.

Educational Qualifications:

- **Ph.D. (Physics):** Periyar University, Salem, Tamilnadu, India, 2021 – Highly Commended.
- **M.Phil. (Physics):** Ponnaiyah Ramajayam Institute of Science and Technology, Vallam, Tanjore, Tamilnadu, India, 2010 - First class.
- **M.Ed.:** Varuvan Vadivelan College of Education, Tamilnadu, India, 2008 - First class.
- **M.Sc. (Physics):** A.V.V.M Sri Pushpam College, Poondi, Tanjore, Tamilnadu, India, 2007 - First class with Distinction.
- **B.Ed. (Physical Science):** Annamalai University, Tamilnadu, India, 2005 - First class.
- **B.Sc. (Physics):** Sri Vidya Mandir Arts & Science College, Uthangarai, Tamilnadu, India, 2004 - First class.

Professional Experience:

- Sri Vidya Mandir Arts & Science College, Uthangarai, Krishnagiri(Dt), Tamilnadu, India

Total Experience:

- **15 years 5 Months (continuing till date)**

Position: Assistant Professor

Research Fields:

- Crystal Growth, Nanomaterials

Research Contributions:

- Green synthesis of copper oxide nanostructures using Cynodon dactylon and Cyperus rotundus grass extracts for antibacterial applications

S Suresh, R Ilakiya, G Kalaiyan, S Thambidurai, P Kannan, KM Prabu, N Suresh
Ceramics International 46 (8), 12525-12537.

- Green synthesis of CuO nanostructures with bactericidal activities using *Simarouba glauca* leaf extract
G Kalaiyan, KM Prabu, S Suresh, N Suresh, Chemical Physics Letters 761, 138062
- Effect of NaCl on the properties of sulphamic acid single crystals
J Arumugam, N Suresh, M Selvapandiyan, S Sudhakar, M Prasath, Heliyon 5 (7)
- Green synthesis of copper oxide spindle like nanostructure using *Hibiscus cannabinus* flower extract for antibacterial and anticancer activity applications
G Kalaiyan, KM Prabu, N Suresh, S Suresh, Results in Chemistry 5, 100840
- Influence of Zirconium Nitrate doping on the properties of L-Alanine crystal for nonlinear optical applications, N Suresh, M Selvapandiyan, Journal of Materials Science: Materials in Electronics 31, 16737-16745.
- Structural, optical, thermal, and magnetic properties of strontium nitrate doped L-Alanine crystal, N Suresh, M Selvapandiyan, P Sakthivel, K Loganathan, Optik 221, 165336
- Influence of bismuth nitrate doping towards the characteristics of L-Alanine nonlinear optical crystals, N Suresh, M Selvapandiyan, F Mohammad, S Sagadevan, Chinese Journal of Physics 67, 349-359
- Preparation and characterization of Ni doped ZnO thin film by sol-gel dip coating technique, S Thambidurai, N Suresh, S Aiswarya, S Manimegala, Journal of Nanoscience and Nanotechnology 2 (1), 605-607
- Photocatalytic and bactericidal activity of zinc oxide nanoparticles biosynthesized with *Datura metel* leaf extract, K Akila, S Thambidurai, N Suresh, KM Prabu, Ionics 30 (6), 3637-3649
- Growth and multifunctional characteristics of single large crystal derived from pure and 8-hydroxyquinoline-doped L-alanine components, N Suresh, M Selvapandiyan, Bulletin of Materials Science 43, 1-8
- Facile co-precipitation assisted synthesis and characterization of zinc oxide-tin oxide nanocomposites and their performance evaluation as photoanodes in dye-sensitized solar cell, S Kanimozhi, S Suresh, S Thambidurai, N Suresh, KM Prabu, Results in Chemistry 4, 100615
- Crystal growth, structural, optical, magnetic and thermal properties of pure and thiourea doped L-alanine single crystals for nonlinear optical applications

N Suresh, M Selvapandiyan, J Arumugam, S Sudhakar, Journal of Metallurgy and Materials Science 61 (1), 1-9

- Green synthesis of copper oxide spindle like nanostructure using Hibiscus cannabinus flower extract for antibacterial and anticancer activity applications

G. Kalaiyan, K.M. Prabu, N. Suresh, S. Suresh

- Growth, structural, optical and thermal studies of nonlinear optical material

M Selvapandiyan, N Suresh

LIST OF BOOK PUBLISHED AS AUTHOR OR EDITOR

S.No	Authors Name	Title of the Book	Name of the Publisher	Year	ISBN No.
1.	N.Suresh P. Kannan S.Thambidurai	Electrical Appliances	Today Publication, Chennai	2014	978-93-81992-24-1
2.	N.Suresh P. Kannan S.Thambidurai K. M. Prabu S. Moguthan	Fundamentals of Microprocessor and Its Application	Shanlax Publications Madurai	2015	978- 93-80686-40-0
3.	N. Suresh et al	A Text book Major Physics Practicals	Thannambikkai Publication, Coimbatore	2016	978-93-84234-85-0
4	N. Suresh et al	A Text book Major Physics Practicals	Raja Publication, Tirchi	2017	978-93-80394-43-5

Participation in Conferences, Faculty Enrichment & Workshops

Actively participated in various National and International Conferences, Faculty Enrichment Programs (FDPs), and Workshops aimed at enhancing academic, research, and teaching capabilities in Physics and interdisciplinary sciences

Course (Paper) Handled:

Mechanics, Thermal Physics, Properties of Matter & Sound, Optics, Electricity & Magnetism, Nuclear Physics, Allied Physics, Laser & Spectroscopy, Energy Physics, Quantum Mechanics, Mathematical and Numerical Methods, Computational Methods, Electrical Appliances and etc