




# SRIRAM ENGINEERING COLLEGE

Perumalpattu, Veppampattu (RS), Chennai 602024 Tamil Nadu  
(A Unit of Sriram Educational Trust)  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## DEPARTMENT - PHYSICS

### GENERAL INFORMATION

Name of the Faculty Member	Dr. GANESH. G	
Present Designation	Professor	
Educational Qualification	M.Sc, M.Phil, B.Ed, Ph.D	
Anna University ID Number	1114207	
AICTE ID Number	1-7523314697	
Total Experience	17.4	
Date of Birth	09.06.1977	
Date of Joining	07.08.2024	
Area of Specialization	Crystallography and Crystal Growth	

### PARTICULARS OF EDUCATIONAL QUALIFICATION

Degree / Diploma	Subject	University / Board	Year of Passing
Ph.D.,	Physics	University of Madras	2014
M.Phil.,	Physics	Manonamiam Sundaranar University	2005
PG-M.Sc	Physics	Annamalai University	2000
PG-M.Phil	Physics	M.Phil	2005
UG-B.Sc	Physics	University of Madras	1997
UG-B.Ed	Science & Mathematics	IGNOU, New Delhi	2007
Diploma			

### RESEARCH TITLES

Ph.D.,	Structural Studies of Some Organic Compounds of medicinal and Biological Importance
M.Phil.,	Bright and Dark Spatial Soliton in Photo refractive Media.
PG.	

### ACADEMIC & INSTITUTIONAL RESPONSIBILITIES

FIRST YEAR CO-ORDINATOR (HEAD OF DEPARTMENT) – SCIENCE & HUMANITIES
College NPTEL Co-ordinator (SPOC), Rotaract Club Co-ordinator

Department website Co-ordinator, Department Guest Lecturer Co-ordinator

### PROFESSIONAL MEMBERSHIP

Indian Society for Technical Education - Life time Membership - LM99580

Indian Association for crystal growth - Life time Membership - 2012-06

### PATENT DETAILS

1. 'AI based Walking Stick for Visually Impaired People' Design no. 438048-001. Date – 31/01/2025

2. 'Solar-Powered Drip irrigation controlling device' Design no. 448155-001. Date – 28/04/2025.

### BOOK CHAPTER PUBLICATIONS

1. Applied Physics – I – Sep 2025 (Sem-I) – 978-93-344-1502-5 – Self Published.

2. Physics For Information Sciences - Aug 2025 (Sem -II) - 978-93-342-1918-0 - Self Published

3. Physics For Computing Sciences - Mar 2022(Sem –II) - 978-93-562-0620-5 - Self Published

4. Engineering Physics-II - Jan 2016 (Sem – II) - 978-81-927-2272-6 - N.S.Publishers, Chennai

5. Physics of Materials - Jan 2016 (Sem – II) - 978-93-804-3027-0 - CBA PUBLISHERS, CHENNAI

6. Engineering Physics - Aug 2017 (Sem – I) - 978-81-934-2081-2 - Magnum Publishers, Chennai

7. Physics of Materials - Feb 2018 (Sem – II) - 978-81-932-3107-4 - Self Published

8. Physics for Civil Engineering - Feb 2018 (Sem – II) - 978-81-932-3108-1 - Self Published

9. Physics of Materials - Feb 2019 (Sem – II) - 978-81-939-6047-9 - V.R.B PUBLISHERS, CHENNAI

### JOURNAL PUBLICATIONS

[1] Crystal growth, structural, thermal, and dielectric characterization of Tutton salt  $(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$  crystals  
G Ganesh, A Ramadoss, PS Kannan, A SubbiahPandi

Journal of thermal analysis and calorimetry 112, 547-554 (Impact factor – 3.0)

[2] Anti diabetic (AD) activities of L-valinium picrate (LVP) macro and nano crystals

BKK K.SenthilKannan, G.Ganesh, H.Abdul JafferAli, R.Krishnaveni

Materials Today:Proceedings 33 (7), 2738-2740 (Impact factor – 1.937)

[3] Aminoguanidinium hydrogen fumarate

S Murugavel, G Ganesh, A Subbiah Pandi, S Govindarajan, ...

Structure Reports 65 (3), o548-o548 (Impact factor – 0.5)

[4] Methyl (3R\*, 3' S\*)-1', 1''-dimethyl-2, 2''-dioxodispiro [indoline-3, 2'-pyrrolidine-3', 3''-indoline]-4'-carboxylate

G Ganesh, PS Yuvaraj, E Govindan, BSR Reddy, A SubbiahPandi

Structure Reports 68 (10), o2902-o2903 (Impact factor – 0.5)

[5] Synthesis, structural and thermal characterization of a novel 3D Fe III Complex

G Ganesh, A Ramadoss, PS Kannan, A Subbiahpandi

Der Pharma Chem 3 (4) (Impact factor – 0.5)

[6] A diastereomer of methyl (1R, 3' S)-1', 1''-dimethyl-2, 2''-dioxo-2H-dispiro [acenaphthylene-1, 2'-pyrrolidine-3', 3''-indoline]-4'-carboxylate

G Ganesh, PS Yuvaraj, PS Kannan, BSR Reddy, A SubbiahPandi

Structure Reports 69 (3), o441-o441 (Impact factor – 0.5)

[7] rac-Methyl (1R, 3' S)-1', 1''-dimethyl-2, 2''-dioxo-2H-dispiro [acenaphthylene-1, 2'-pyrrolidine-3', 3''-indoline]-4'-carboxylate

G Ganesh, PS Yuvaraj, C Divakara, BSR Reddy, A SubbiahPandi

Structure Reports 69 (2), o235-o235 (Impact factor – 0.5)
[8] (E, E)-1, 5-Di-2-thienylpenta-1, 4-dien-3-one S Murugavel, G Ganesh, A SubbiahPandi, R Murugan, ... Structure Reports 64 (9), o1807-o1807 (Impact factor – 0.5)
[9] (3E)-11, 16-Dioxatricyclo [15.4. 0.05, 10] henicos-1 (21), 3, 5, 7, 9, 17, 19-heptaen-2-one G Ganesh, S Purushothaman, PS Kannan, R Raghunathan, ... Structure Reports 69 (3), o442-o442 (Impact factor – 0.5)
[10] A triclinic polymorph of methyl (3R, 3' S)-1', 1''-dimethyl-2, 2''-dioxodispiro [indoline-3, 2'-pyrrolidine-3', 3''-indoline]-4'-carboxylate G Ganesh, PS Yuvaraj, C Divakara, BSR Reddy, A SubbiahPandi Structure Reports 68 (12), o3468-o3469 (Impact factor – 0.5)
[11] Methyl (3S, 3' R)-1-methyl-2, 2''-dioxo-1', 2', 3', 5', 6', 7', 8', 8a'-octahydrodispiro [indoline-3, 2'-indolizine-3', 3''-indoline]-1'-carboxylate G Ganesh, PS Yuvaraj, E Govindan, BSR Reddy, A SubbiahPandi Structure Reports 68 (10), o2901-o2901 (Impact factor – 0.5)
[12] (E)-Methyl 2-({2-ethoxy-6-[(E)-(hydroxyimino) methyl] phenoxy} methyl)-3-phenylacrylate E Govindan, G Ganesh, J Srinivasan, M Bakthadoss, A SubbiahPandi Structure Reports 68 (5), o1373-o1373 (Impact factor – 0.50)
[13] Cyclohexane-1, 2, 3, 4, 5-pentol G Ganesh, C Sivaraj, PS Kannan, N Raaman, A SubbiahPandi Structure Reports 65 (5), o1114-o1114 (Impact factor – 0.5)
[14] 9-Ethyl-2, 3-dihydro-9H-carbazol-4 (1H)-one S Murugavel, G Ganesh, AS Pandi, R Murugan, SS Narayanan Structure Reports 64 (9), o1681-o1681 (Impact factor – 0.5)
[15] N-[(1E)-5-(3-Chlorophenyl)-3-methylcyclohex-2-en-1-ylidene] hydroxylamine G Ganesh, K Murugavel, PS Kannan, S Amirthaganesan, A SubbiahPandi Structure Reports 69 (3), o449-o449 (Impact factor – 0.5)
[16] (2-Benzoylphenyl)(naphthalen-1-yl) methanone G Ganesh, R Sivasakthikumar, E Govindan, AKM Krishnan, Structure Reports 68 (10), o3012-o3012 (Impact factor – 0.5)

## PAPERS PRESENTED IN CONFERENCES/SYMPOSIUMS

1. Magnetic Characterization of Tutton Salt Nanoparticles for Biomedical Applications - 20.12.24 – 21.12.24 - SRM Institute of Science and Technology, Ramapuram, Chennai
2. National Symposium on Advances and Innovation in Materials and Charecterization Techniques – 16.07.2025
3. Spectral and thermal characterization of nano structured Tutton salt 8 th National Conference on Hierarchically structured Materials SRM Inst. Of Science and Technology, Ramapuram, Chennai. 21/2/2020&22/2/2020
4. A crystallographic studies of N-[(1E)5,3, Choloro phenyl3-mythel...] – Whole molecule disorder - 5 th National Conference on Materials for Modern World Easwari Engineering College, Ramapuram, Chennai -18/9/2018 & 19/9/18
5. Spectroscopic, Structural and dielectric characterization of Tutton salts. International Conference on Application Oriented Materials in Science and Technology - Edayathangudy G.S. Pillay Arts and Science College, Nagapattinam - 14/9/2018 & 15/9/18
6. Thermal and dielectric charecterization of nano structured Tutton salt - International Conference on Nano – A new world of Science - Vidhyasagar Women's College, Chengalpattu -22.09.2017
7. Structural, Optical, thermal and dielectric characterization of Tutton salt - International Conference on Crystal Growth and Biomolecular Crystallography - SASTRA University, Thanjavur-28.12.2014 to 29.12.2014
8. Effect of Ball milling on FeII Complex - National conference on Physics of new materials - Noorul Islam

University, 20/4/2012
9. Crystal growth and characterization of hexa aqua ferrous (II) sulphate - International Conference on Recent Trends in Advanced Materials (ICRAM-2012) - VIT university, Vellore 20.2.2012 to 22.2.2012.
10. Crystal growth and characterization of glycine copper (II) sulphate - Three days International conference on Advanced Materials (ICAM 2012) - Loyola College, Chennai - 5.1.2012 to 7.12.2012.

### **CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED**

1. Workshop - 6 days - Application of AI tools in Education & Research - Academia Insight Institute of Research and Studies
2. Seminar - 1 day - International Seminar on Advanced Materials for Sustainable Development for Energy Applications - SRM Institute of Science and Technology, Ramapuram Campus, Chennai
3. FDP - 5 days - Innovative Trends in Designing Materials and Mathematical Modeling for - Sustainable Development - Vivekananda Arts and Science College for Women, Sankagiri, Salem
4. FDP - 5 days - Recent Trends of Advanced Functional Materials - Velammal College of Engineering and Technology, Madurai
5. Comparative studies of hexa aqua ferrous (II) sulphate of nano form from bulk form XVI National Seminar on Crystal Growth - Aditanar College of Arts and Science, Tiruchendur - 19.1.2012 to 21.1.2012.

### **NPTL, SWAYAM AND OTHER CERTIFICATIONS:**

<b>NPTEL – 1 Solar Terrestrial Physics – Elite – Jan-April 2026</b>
<b>NPTEL – 2 Nanotechnology, Science and its applications – Elite + Silver – July-Sep 2025</b>
<b>NPTEL – 3 Human Movement Science – Elite – Feb-April 2025</b>
<b>NPTEL – 4 Educational Leadership – Elite – Aug-Sep 2018</b>

### **SUPERVISERSHIP (IN NUMBERS)**

Ph.D.,	
PG.	
UG.	

➤ Having GUIDESHIP IN ANNA UNIVERSITY, CHENNAI (REF.NO.2470150).