




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF PHYSICS

Faculty Name	Dr. Srilatha Y	
Designation	Associate Professor	
Educational Qualification	M.Sc., PhD	
Experience in Years	12 years of Teaching 8 years of Research	
Area of Interest	Condensed Matter Physics Magnetic Materials	
Email ID	<u>sriramakuru@gmail.com</u>	

Educational Details
<ul style="list-style-type: none">• PhD (2007) from IITM, Chennai.• MSc (2001) from SV University, Tirupati.
Personal Details
<ul style="list-style-type: none">• Languages Known: Telugu, English, Hindi, Kannada, Tamil
Professional Experience
<ul style="list-style-type: none">• Working as an Associate Professor, Head of the Department of Physics and First year P-Cycle students Head at Dayananda Sagar Academy of Technology and Management, Bangalore (from 15/07/2019)• Worked as an Associate Professor and Head of the Department of Physics at The Oxford College of Science, Bangalore (05/09/2014 – 13/07/2019).• Worked as NAL-TECH Scientist at Surface Engineering Division, NAL• Worked as a Research Scientist with SQUID Research group, Materials Science Division, IGCAR, Kalpakkam• Handled BTech I year and MSc General Physics and Advanced General Physics Labs at IIT as HTRA Scholar from 2001 to 2006
Publications
International Journals: <ul style="list-style-type: none">• Magnetostriction studies of thin nickel strips in perpendicular and parallel configurations, K.B.Anoop Baby^a, R.Srilatha^b, Materials Today: Proceedings (Article in Press)• Magnetic properties of YGdFe_{17-x}(Ga,Al)_x (x = 0 - 8), R. Srilatha, V. S. Murty and G. Markandeyulu, <i>J. Appl. Phys.</i> 97 (2005) 10M503.• Effect of Co on the magnetic properties of YGdFe_{17-x}Co_xGa, R. Srilatha, G. Markandeyulu and V. S. Murty, <i>IEEE Transactions on Magnetics.</i> 42 (2006), 2918.

National journals :

1. Structural and Morphological Studies of Copper Doped K- Birnessite Borate Powders, Srilatha.R, Sumantha. H.S, Sandeep. K and Farzana. M. U, *The Oxford Journal of Science and Research*. Vol. 1, Issue.1 (2018) 76 – 80.
2. Use of a low temperature transformer for impedance matching and to enhance the transfer function of a SQUID for extremely low magnetic field applications. Sengottuvel. S, Srilatha. R, Parasakti. C Radhakrishnan. T. S., Gireesan. K, Vaidhyanathan. L.S., Baskaran. N, Janawadkar. M. P., *Jl. Of Instrum. Soc of India*. Vol. 39, No.2 (2009) 105 -108.

International Conferences:

- Effect of Co on the magnetic properties of YGdFe₁₇Si, R. Srilatha, K. B. Anoop Baby, Vagdevi. K, Markandeyulu. G, “*Conference proceedings of one day international conference on Advanced Materials*” held on 20th July 2020 conducted by KLE Society’s P. C. Jabin Science College.
- The rietveld refinement and the magnetic properties of YGdFe₁₇M (M= Al/Ga/Si) Dr. Srilatha¹, Dr. G. Markandeyulu² “*Conference Advances in Materials, Ceramics & Engineering Sciences (AMCES-2020)*” held on 17th-18th January 2020 at DSCE , Bengaluru.
- “The magnetic properties of Nd₂Fe₁₇MB_{0.05} (M= Al/Ga/Si), Dr. Srilatha¹, Dr. G. Markandeyulu² presented in International conference on “*Materials for Environment, Sustainable Society and Global Empowerment (MESSAGE-2019)*” held on 19th-20th December , 2019 at Department of NanoTechnology, VTU.
- “Effect of Al and Co on the structural and magnetic properties of off-stoichiometric YGdFe₁₇ compounds” Srilatha. Y, Markandeyulu. G, *Book of abstracts of Two-Day online international conference on MIST-2020 conducted on 18th and 19th September*, by The Oxford College of Science, Bangalore
- Effect of Co on the magnetic properties of YGdFe₁₇Ga, R. Srilatha, V. S. Murty and G. Markandeyulu, *Proceedings of INTERMAG 2006*, held at Sandiego, California, May 8-12, 2006.
- Magnetic properties of YGdFe_{17-x}(Ga,Al)_x (x = 0 - 8), R. Srilatha, V. S. Murty and G. Markandeyulu, *Proceedings 49th MMM International Conference* held at Jacksonville, Florida, USA during Nov. 7 – 11, 2004.
- Magnetic properties of YGdFe₁₇Al and YGdfe₁₆CoAl, R. Srilatha, G. Markandeyulu and V. S. Murty, *Proceedings International Symposium for Research Students-2004, held at IITMadras, India*.

National Conferences

- A review article on “Skyrmions” R. Srilatha, Conference Proceedings, “National Conference on FUTURE INDIA: SCIENCE & TECHNOLOGY” held during 10th & 11th October 2018.
- Use of a superconducting transformer for impedance matching and to enhance the transfer function of a SQUID for extremely low magnetic field applications, S.Sengottuvel, **R.Srilatha**, T.S.Radhakrishnan, K.Gireesan, L.S.Vaidhyanathan, R.Baskaraand M.P.Janawadkar, *Conference Proceedings, “National Symposium on Instrumentation NSI- 32” held during 24th to 26th October 2007*.

<ul style="list-style-type: none"> • Effect of Co on the magnetic properties of YGdFe₁₇Al, R. Srilatha, G. Markandeyulu and V. S. Murty, <i>Proceedings 50th DAE Solid State Physics Symposium (2005)</i> held at BARC, India. • Effect of Si on the magnetic properties of YGdFe_{17-x}Si_x (x = 0-3), R. Srilatha, G. Markandeyulu and V. S. Murty, <i>Proceedings 49th DAE Solid State Physics Symposium(2004)</i> held at Amritsir, India. • Effect of Al on the magnetic properties of YGdFe_{17-x}Al_x (x = 0, 1, 2, 3, 4, 5, 6 and 8), R. Srilatha, G. Markandeyulu and V. S. Murty, <i>Proceedings 48th DAE Solid State Physics Symposium (2003)</i> held at Gwalior, India.
Awards
<ul style="list-style-type: none"> • Got I Prize in poster presentation on “Skymions” in a National Conference conducted by ISCA • Qualified GATE 2001
Academic Activity
<ul style="list-style-type: none"> • As part of Science Forum conducted a workshop “Can Physics trigger a lean Entrepreneur?” by Prof. Sarmistha Sahu for I year BTech students at DSATM • Member of BOE for VTU • Lab Examiner for Engineering Physics Lab. • Worked as a member of BOE for Bangalore University • Worked as a member of BOS for Jain University • Set the Question papers for MSc program for BU, Jain and JSS University • Was an Examiner for both theory and Lab (GP, AGP, Electronics & Optics) for MSc and BSc under BU • Worked as an Associate Editor of TOJSR (The Oxford Journal of Science and Research)
Faculty Development Activity
<ul style="list-style-type: none"> • Conducted a Webinar on “Women’s Rights” • Conducted an FDP at DSATM. • Conducted many Guest Lectures for the development of faculty at TOCS. • Attended many FDPS
Administrative Activity
<ul style="list-style-type: none"> • College Internal Complaints Committee (CICC) Chairperson • Associate Dean R&D at TOCS • Launched Physics Department Magazine (Q_{DOT}) at TOCS • National Science day Coordinator (Intercollegiate Techno-Fest) at TOCS (2017&2018) • Member IQAC at TOCS (The Oxford College of Science) • Worked as In-charge of TOJSR
Professional Membership
<ul style="list-style-type: none"> • Member of ISCA (Indian Science Congress Association) • Member of IAPT (Indian Association of Physics Teachers) • Member of INUP (Indian Nano-electronics Users Program)
Contact Details

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