

<p align="center"><b>Name:</b></p> <p align="center"><b>Dr. H. SAVEETHA</b></p>				
<p><b>Designation:</b></p>	<p>Assistant Professor</p>			
<p><b>Qualification:</b></p>	<p>M.Sc., M.Phil., Ph.D</p>			
<p><b>Area of specialization:</b></p>	<p>Quantum Information Theory, High Energy Physics</p>			
<p><b>Experience:</b></p>	<p><b>Industrial Experience</b></p> <p align="center">-</p>	<p><b>Postdoctoral Experience</b></p> <p align="center">-</p>	<p><b>Teaching Experience</b></p> <p align="center">3 years 1 months</p>	
<p><b>Number of workshops / FDP attended:</b></p>	<p><b>Number of Workshops</b></p> <p align="center">2</p>		<p><b>Number of FDPs</b></p> <p align="center">6</p>	
<p><b>Publications:</b></p>	<p align="center"><b>Conference</b></p>		<p align="center"><b>Journal</b></p>	
	<p align="center"><b>National</b></p> <p align="center">1</p>	<p align="center"><b>International</b></p> <p align="center">-</p>	<p align="center"><b>National</b></p> <p align="center">-</p>	<p align="center"><b>International</b></p> <p align="center">5</p>
<p><b>Books / Book Chapters</b></p>	<p align="center">2</p>			
<p><b>Patents:</b></p>	<p align="center"><b>National</b></p> <p align="center">-</p>		<p align="center"><b>International</b></p> <p align="center">-</p>	
<p><b>Research Guidance</b></p>	<p align="center"><b>Completed</b></p> <p align="center">-</p>		<p align="center"><b>Ongoing</b></p> <p align="center">-</p>	
<p><b>Professional Body Membership</b></p>	<p>IEEE member</p>			
<p><b>Research</b></p>	<p><b>Google Scholar ID:</b> gdc2QaQAAAAJ  <b>Researcher ID:</b>  <b>Orcid ID:</b> 0000000307822253  <b>Scopus ID:</b> 55330463000  <b>Anna University Guideship:</b> Yes</p>			

## Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Physics	2005	Government Arts College, Tiruvannamalai	University of Madras	84.08	First Class
PG	M.Sc.,	Physics	2007	Queen Mary's College, Chennai	University of Madras	81.30	First Class - Outstanding
	M.Phil.	Nuclear Physics	2008	University of Madras	University of Madras	81.7	First Class - Outstanding
Doctorate	Ph.D.	Theoretical Physics	2015	University of Madras	University of Madras	Highly Commented	

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering College	Assistant Professor	01.07.2025	Till date	-	8	-
Chennai Institute of Technology	Assistant Professor	07.07.2021	12.12.2023	2	5	5
Total				3	1	5

## Workshops/Seminars attended:

1. Institute Seminar Days (ISD), IMSc., Chennai, 08-March, 2017. Title: Fragmentation of Vector Mesons – Oral
2. Frontiers in High Energy Physics, The Institute of Mathematical Sciences, Chennai, 22-25 March, 2016.
3. Frontiers of High Energy Physics, IMSc Golden Jubilee Symposium, Institute of Mathematical Sciences, Chennai, 10-13 December, 2012.
4. Advanced School on Radiative Corrections for the LHC-1, The Saha Institute of Nuclear Physics, Kolkata, 04-13 April, 2011.
5. National Workshop and Conference on Monte Carlo Simulation School of Physics, Madurai Kamaraj University, Madurai, 09-13 August, 2010.
6. XXV SERC Preparatory School in Theoretical High Energy Physics Department of Physics, IIT Madras, Chennai, 04-30 October, 2009.

### **FDP/STTP Attended:**

1. NPTEL-AICTE Faculty Development Programme, "Introduction to Quantum Computing: Quantum Algorithms and Qiskit, 4 weeks, Aug-Sep 2021
2. 7 Days Faculty Development Programme (Online Mode), "Empowering Educators - 21 Century Teaching Practices", Department of Physics & IQAC, Erode Arts and Science College (Autonomous), Erode, 06.08.25 - 13.08.25
3. NPTEL-AICTE Faculty Development Programme, "Physics of Nanomaterials", 12 weeks
4. NPTEL-AICTE Faculty Development Programme, "Technical Communication for Engineers", 4 weeks
5. AICTE Face to Face UHV FDP, "Inculcating Universal Human Values in Technical Education", Sri Sai Ram Engineering College, Chennai, 4.12.25 - 6.12.25.
6. 6 Days FDP on "Quality Enhancement Through Outcome Based Education", R P Sarathy Institute of Technology (Autonomous), Salem, 02.02.2026 - 07.02.26.

### **Conference/ Symposium Attended:**

1. 22nd Asian Quantum Information Science Conference, University of Science and Technology, China, December 17 &18, 2022.(Virtual).
2. International Conference on Quantum Information and Foundations, Indian Statistical Institute, Kolkata, 14-24 February, 2022. (Virtual)
3. 21st Asian Quantum Information Science Conf.(V), U.Tokya, Japan, 1-4 September 2021, Title: Relativistic Effects of Quantum Coherence on Multipartite Systems – Poster.
4. XXIII DAE-BRNS HEP Symposium, IITM, Chennai, 10-14 December, 2018, Title: Fragmentation of Pseudo-Scalar Mesons – Oral.
5. XXIII DAE-BRNS HEP Symposium, IITM, Chennai, 10-14 December, 2018, Title: Vector Mesons Fragmentation - A Brief Review - Oral
6. XX DAE-BRNS HEP Symposium, Visva-Bharati Univ., Santiniketan, 13-18 January, 2013, Title: Fragmentation of vector mesons in a model with broken SU(3) at the next-to-leading order - Oral
7. 10th International Symposium on Radiative Corrections for the LHC-2 (RADCOR 2011), ICTS, Radisson Resort Temple Bay, Mamallapuram, 26-30 September, 2011
8. XIX DAE-BRNS HEP Symposium, LNMIIT, Jaipur, 13-16 December, 2010, Title: Fragmentation of nonet vector meson using (broken) SU(3) model - Oral

### **Resource Person:**

1. Invited Talk - Communication and Computation in the Quantum Era, Department of Computer Science and Engineering, Chennai Institute of Technology, Aug. 2023.

## Journal Publications:

1. Quantum conditional mutual information of W state in non-inertial frames, H. Saveetha, Peter. P. Rhode and R. Chandrashekar, Phys. Scr. 99, 025106, 2024.
2. Accessible and inaccessible coherence in relativistic quantum systems, H. Saveetha, J. Segar, Peter. P. Rhode and R. Chandrashekar, Phys. Rev. A 105, 052403, 2022.
3. Fragmentation of Pseudo-Scalar Mesons, H. Saveetha and D. Indumathi, XXIII DAE High Energy Physics Symposium, Springer Proceedings in Physics, vol. 261, 409-413, 2021.  
[https://doi.org/10.1007/978-981-33-4408-2\\_57](https://doi.org/10.1007/978-981-33-4408-2_57).
4. Fragmentation of omega and phi Mesons in  $e^+ e^-$  and pp Collisions at NLO, H. Saveetha and D. Indumathi, Int. J. Mod. Phys A 32, 1750199, 2017.
5. Vector meson fragmentation using a model with broken SU(3) at the NLO, H. Saveetha, D. Indumathi and Subhadip Mitra, Int. J. Mod. Phys A 29, 1450049, 2014.
6. Study of vector meson fragmentation using a broken SU(3) model, D. Indumathi and H. Saveetha, Int. J. Mod. Phys. A 27, 1250103, 2012.

## Online Courses:

1. NPTEL - Introduction to Quantum Computing: Quantum Algorithms and Qiskit conducted by IIT-Madras & IBM - Elite Silver
2. NPTEL - Physics of Nanomaterials, IIT-Madras Kharagpur - Elite Silver
3. NPTEL - Technical Communication for Engineers, IIT Roorkee - Elite Silver