

<b>Name:</b> <b>Dr. H. SAVEETHA</b>	<b>Photo</b> 	
<b>Designation:</b>	<b>Assistant Professor</b>	
<b>Qualification:</b>	<b>M.Sc., M.Phil., Ph.D</b>	
<b>Area of specialization:</b>	<b>Quantum Information Theory, High Energy Physics</b>	
<b>Experience:</b>	<b>Industrial Experience</b>	<b>Teaching Experience</b>
	-	<b>2.5 years</b>
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>	<b>Number of FDPs</b>
	<b>1</b>	-
<b>Publications:</b>	<b>Conference</b>	<b>Journal</b>
	<b>National</b> <b>International</b>	<b>National</b> <b>International</b>
	<b>1</b>	-
		<b>5</b>
<b>Books / Book Chapters</b>	-	
<b>Patents:</b>	<b>National</b>	<b>International</b>
	-	-
<b>Professional Body Membership</b>	-	
<b>Research</b>	<b>Google Scholar ID :</b> <b>gdc2QaQAAAAJ</b> <b>Researcher ID :</b> <b>Orcid ID :</b> <b>0000000307822253</b> <b>Scopus ID :</b> <b>55330463000</b>	

## 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>B.Sc.</b>	Physics	2005	Government Arts College, Tiruvannamalai	University of Madras	84.08	First Class
PG	<b>M.Sc.</b>	Physics	2007	Queen Mary's College, Chennai	University of Madras	81.30	First Class - Outstanding
	<b>M.Phil.</b>	Nuclear Physics	2008	Department of Nuclear Physics	University of Madras	81.7	<i>First Class - Outstanding</i>
Ph.D.	<b>Ph.D</b>	Theoretical Physics	2015	Department of Theoretical Physics	University of Madras	-	-

## Academic Experience

Handled "Engineering Physics" paper for 2023-2024 batch I-year B.E Students in CIT, Chennai.

S. No.	Name of the College	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
1	Chennai Institute of Technology	Assistant Professor	07.07.2021	12.12.2023	2	5	5
<b>Total</b>					<b>2</b>	<b>5</b>	<b>5</b>

## 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:** - Nil

**Conference/Symposium Attended/ Presented:**

1. 22<sup>nd</sup> 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. 21<sup>st</sup> Asian Quantum Information Science Conf.(V), U.Tokya, Japan, 1-4 September, 2021  
Relativistic Effects of Quantum Coherence on Multipartite Systems - Poster
4. XXIII DAE-BRNS HEP Symposium, IITM, Chennai, 10-14 December, 2018  
Fragmentation of Pseudo-Scalar Mesons - Oral
5. XXIII DAE-BRNS HEP Symposium, IITM, Chennai, 10-14 December, 2018  
Vector Mesons Fragmentation - A Brief Review - Oral
6. XX DAE-BRNS HEP Symposium, Visva-Bharati Univ., Santiniketan, 13-18 January, 2013  
Fragmentation of vector mesons in a model with broken SU(3) at the next-to-leading order  
- Oral
7. 10<sup>th</sup> 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  
Fragmentation of nonet vector meson using (broken) SU(3) model - Oral

**FDP Organized:** - Nil

**Completed / Ongoing Projects:** Nil

**Resource Person:** Delivered talk on “Communication and Computation in the Quantum Era” in Department of Computer Science and Engineering, Chennai Institute of Technology, August 2023.

**Patents:** - Nil

**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.

**Books / Book Chapters:** - Nil

**Awards:** - Nil

**Online Courses:** NPTEL Online Certification - Introduction to Quantum Computing: Quantum Algorithms and Qiskit conducted by IIT-Madras & IBM - Elite Silver.