


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

## 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	Department of Nuclear Physics	University of Madras	81.7	First Class - Outstanding
Ph.D.	Ph.D	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
Total					2	5	5

## Workshops/Seminars attended:

- Institute Seminar Days (ISD), ISc., Chennai, 08-March, 2017  
Title: Fragmentation of Vector Mesons - Oral
- Frontiers in High Energy Physics  
The Institute of Mathematical Sciences, Chennai, 22-25 March, 2016.
- Frontiers of High Energy Physics  
ISc Golden Jubilee Symposium, Institute of Mathematical Sciences, Chennai, 10-13 December, 2012.
- Advanced School on Radiative Corrections for the LHC-1  
The Saha Institute of Nuclear Physics, Kolkata, 04-13 April, 2011.
- National Workshop and Conference on Monte Carlo Simulation School of Physics  
Madurai Kamaraj University, Madurai, 09-13 August, 2010.
- 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.