

Dr. A. SAROJINI

ASSOCIATE PROFESSOR & HEAD
PG & RESEARCH DEPARTMENT OF MATHEMATICS
Dr. AMBEDKAR GOVERNMENT ARTS COLLEGE
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**Personal Details**

Name	Dr. A. SAROJINI
Designation	ASSOCIATE PROFESSOR & HEAD
Academic Qualification	M.Sc., M.Phil., PGDCA, Ph.D.

Teaching Experience

Designation	Department	Institution	Period
Associate Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	24.10.2011 to till date
Assistant Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	20.12.2007 to 23.10.2011
Lecturer	Mathematics	R. V. Government Arts College, Chengalpattu.	08.08.2000 to 20.12.2007
Lecturer	Mathematics	Government College for Women, Krishnagiri	22.10.1998 to 07.08.2000
Lecturer	Mathematics	S.F.R. College for Women, Sivakasi	25.07.1997 to 20.04.1998
Lecturer	Mathematics	Salem Sowdeswari College, Salem	27.07.1995 to 31.03.1997
Lecturer	Mathematics	Sri Sarada College for Women, Salem -16	15.02.1994 to 14.12.1994

Area of Specialization

- COMPUTATIONAL FLUID DYNAMICS

Board of Studies

- Served as Board of Studies Chairperson and Member in Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai – 39.

Academic Committee Member

- Nominated as an Academic Committee Member for Mother Teresa Women's University, Kodaikanal, Tamilnadu, by the Governor of Tamilnadu, for the period of three years from 11.01.2022.

Publications

• International/National Journals

1. **A. Sarojini** and G. Palani, "Transverse Magnetic Field applied on oscillating vertical cylinder with heat and mass flux", *International Journal Of Pure and Applied Mathematics*, 113(10), (2017), 262-270.
2. G. Palani and **A. Sarojini**, "Radiative heat flow past a semi-infinite vertical oscillating cylinder with constant heat flux", *Journal Of Fluid Mechanics*, 7(2), (2015), 117-129.
3. G. Palani, **A. Sarojini** and R. Dhanasekaran, "Analysis of non constant viscosity on a vertical oscillating cylinder with MHD effects", *International Journal Of Engineering and Technology*, 7(4.10), (2018), 67-71. (SCOPUS Journal).
4. G. Palani and **A. Sarojini**, "Thermal Radiation, Heat Generation and Soret Effects on Vertical Oscillating Cylinder", *International Journal of Innovative Science and Technology*, 5(5), (2020), 529-540.
5. **A. Sarojini** and G. Palani, "Effects of Pressure work over a semi-infinite vertical oscillating cylinder", *International Journal Of Applied Mechanics and Engineering*, 26(1), (2021), 215-225. (SCOPUS Journal).

Participation in conferences / workshops

- Two days International Conference on "Applicable Mathematics" (ICAM 2016), organized by Stella Maris College, Chennai, on 30.11.16 and 01.12.16.

Refresher and Orientation Courses				
Sl. No.	Name of the course	UGC - ASC / UGC-HRDC, University	No. of days	Period
1.	Orientation Course	ASC - University of Madras, Chennai	28	10.11.1999 to 07.12.1999
2.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	22.11.2001 to 12.12.2001
3.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	19.11.2004 to 09.12.2004
4.	Quality Improvement Programme	Ethiraj College for Women, Chennai	5	13.12.2004 to 17.12.2004
5.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	03.11.2006 to 23.11.2006

- **ADMINISTRATIVE ACTIVITIES**

- **Head**, Department of Mathematics, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai - 39 from June 2015 to till date.
- **IQAC, Coordinator**, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai – 39 during the Academic Years 2017-18 and 2018-19.
- **Admission Committee Member**, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai – 39 from the Academic Years 2010-11.