

## **RESEARCH PROFILE**

**Name** Dr. S. ANBARASI  
**Designation** Associate Professor  
**Department** Electrical and Electronics Engineering  
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## **EDUCATIONAL PROFILE**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks obtained	Class obtained
UG	BE	Electrical and Electronics Engineering	2003	Madurai Kamaraj University	Madurai Kamaraj University,	80.7%	I
PG	ME	Power systems Engineering	2005	Arulmigu Kalasalingam College of Engineering	Anna University, Chennai	79	I
PH.D	PH.D	Electrical Engineering	2018	Mepco Schlenk Engineering College	Anna University, Chennai	Y	-

Ph. D. Thesis : Intelligent Tuning of PID Controller for voltage and Frequency Regulation in interconnected power system

## **RESEARCH PROFILE**

✚ No. of publications (As on November 2019)

- Journal: 11
- International Conference: 05
- National Conference: 04
- Editorial Board:
- Book: 1

✚ Citation Details:

✚ Scopus:	✚ Web of Science	✚ Google Scholar:
○ Article: 5	○ Article:	○ Article: 10
○ Citation: -	○ Citation:	○ Citation: 27
○ h index:-	○ h index:	○ h index: 3

## LIST OF PUBLICATIONS

### JOURNALS:

- [1] **S. Anbarasi**, S. Muralidharan “Enhancing the Transient Performances and Stability of AVR System with BFOA Tuned PID Controller” Journal of Control Engineering and Applied Informatics Vol.18, No.1 pp. 20-29, 2016 Impact Factor: 0.537
- [2] **S. Anbarasi**, S. Muralidharan “Hybrid BFPSO Approach for Effective Tuning of PID Controller for Load Frequency Control Application in an Interconnected Power system ” Journal Of Electrical Engineering & Technology Vol.12, No.3 pp. 1027-1037, 2017 Impact Factor: 0.679
- [3] **S. Anbarasi**, S. Muralidharan “Metaheuristic Optimized PID Tuning For Load Frequency Control Of Multi- Area Multi- Source Power System With And Without HVDC Link ” Journal of Electrical Engineering Vol.17, No.2 pp. 1-11, 2017 Impact Factor: 0.664
- [4] **S. Anbarasi**, S. Muralidharan “Intelligent tuning of proportional integral derivative controller using hybrid bacterial foraging particle swarm optimization for automatic voltage regulator system” Revue Roumaine Des Sciences Techniques Serie Electrotechnique Et Energetique Vol. 62, 3,pp 325-331, 2017 Impact Factor: 0.333
- [5] **S. Anbarasi**, S. Muralidharan “Application of Bacterial Foraging Optimization Algorithm for improving Control and Stability” Technics Technologies Education Management Volume 9, Number 2, pp. 479-486,2014 Impact Factor:0.414
- [6] **S. Anbarasi**, S. Muralidharan “Design of Specification Oriented Compensator with a PID Controller for Load Frequency Control” Published on: Applied Mechanics and Materials Journal, Vol. 573, pp 248-253, 2014
- [7] **S. Anbarasi**, S. Muralidharan “Transient Stability Improvement of LFC and AVR Using Bacteria Foraging Optimization Algorithm” International Journal of Innovative Research in Science, Engineering and Technology. Volume 3, Special Issue 3, pp-124129, March 2014
- [8] V. Sivakumar, **S. Anbarasi**, “Influence of cetyl alcohol and enteric polymers on the release of water soluble drug in monolithic bilayered matrix tablet” World Journal of Pharmaceutical Sciences Vol.7, No.4 pp. 1-8, 2019 ISSN (Print):2321-3310
- [9] **S. Anbarasi** et. al “PSO Tuned PID Controller for Single-Area Multi- Source LFC System Volume” International Research Journal of Engineering and Technology (IRJET), Vol.6, No.4 pp. 771-774, 2019, ISSN: 2395-0056
- [10] **S. Anbarasi**, S. Muralidharan, P. Sarath Chandran “Analyzing the performance of solar photovoltaic integrated UPFC” Journal of Emerging Technologies and Innovative Research, Vol.6, No.4 pp. 771-774, 2019, ISSN:2349-5162.
- [11] R.Ganesan, S. Ramesh, **S. Anbarasi**, “A New Literature Review Of Automatic Generation Control In Deregulated Environment” International Journal of Scientific & Technology Research volume 8, issue 12, December 2019, ISSN:2277-8616.

[12] S. Ramesh, **S. Anbarasi**, “Analysis of Intelligent Controllers for Juice Flow Process in a Sugar Industry” U.P.B. Sci. Bull., Series, 2019 **Submitted**

#### **INTERNATIONAL CONFERENCE PUBLICATIONS**

1. **Dr.S.Anbarasi** attended an International Conference on Recent trends in Engineering education(ICRTEE-2K18) on the title of “A study of recent advancement in Engineering education system”, on 5<sup>th</sup> &6<sup>th</sup> October18.
2. **Dr.S.Anbarasi** attended AICTE sponsored International conference on recent advances in Electrical, Electronics, Computer and Communication Engineering on the title of “Modeling, simulation and control of Grid Tied Inverters” on December 5, 2019 at Mepco Schlenk Engineering College.
3. **Mr.S.Sivakumar** and **Dr.S.Anbarasi** attended an international conference on nanotechnology: Ideas, Innovations and initiatives(ICN2K19) on the title of “Improvement of electrical characteristics of high voltage disc insulator using Nano particles” on 12.12.2019 at Syed Ammal Engineering College.
4. **Dr.S.Anbarasi** attended AICTE sponsored International conference on Recent advances in Electrical, Electronics, Computer and Communication Engineering on the title of “An optimal tuning of integral controller for hybrid LFC system integrated with wind energy resources ” on December 7, 2019 at Mepco Schlenk Engineering College.
5. **Dr.S.Anbarasi** attended National conference on computer electrical and electronics engineering on the title of “Image denoising via Improved dictionary learning with Global structure and local similarity preservations” on March 1,2019 at P S R Rengasamy college of engineering for women.
6. **Dr.S.Anbarasi** attended International Conference on Recent trends in Engineering education(ICRTEE-2K18) on the title of “A study of recent advancement in Engineering education system” on 5<sup>th</sup> &6<sup>th</sup> October18 at PSR Engineering college.


**DETAILS OF PROJECT PROPOSALS SANCTIONED: Nil**

S. No	Title	Amount (Rs)	Funding Agency
1			

**DETAILS OF PROJECT PROPOSALS SUBMITTED**

S. No	Title	Funding Agency
1.	Workshop on Machine Learning and Deep Learning (Co-Investigator)	DST
2.	Effective consumption of excess energy generated in roof top solar panel using fuel cell based hydrogen energy storage system for residential applications (principal investigator)	AICTE (RPS)
3.	Hybrid Electric Vehicle Technology (Co-Investigator)	AICTE (STTP)

**MEMBERSHIP**

-  Life member in Indian Society for Technical Education (ISTE), India.
  - ISTE – LM59490

## RESEARCH SCHOLARS

S.No.	Candidate Name	Title/Area of Research	Remark
1.			

## RECOGNITIONS:

### + Guest Editor:

Dr.K.Anbarasi	FDP, FPGA and IOT, 10 & 11March 2018	MAM College of Engineering, Tiruchirappalli
	Workshop, Soft Computing technique for Electrical Applications, 12.02.2019 & 13.02.2019.	SriVidya College of Engineering and Technology, Virudhunagar
	FDP, Intelligent tuning of PID controller with optimization algorithms,24.10.2018	MEPCO Schlenk Engineering College, Tiruchirappalli

### + Reviewer:

- International Transactions on Electrical Energy Systems
- IET Renewable Power Generation
- IET Control Theory & Applications