



PERSONAL INFORMATION

Name : J.JAYAKUMAR
Designation : Professor
Official Address : EEE Department, Karunya University, Coimbatore
Scopus Author ID : 56247536500
Mobile : +91 9894288068
Email : jayakumar@karunya.edu

ACADEMIC QUALIFICATIONS

- Ph.D., Power System optimization, Anna University , Chennai 2010
Title: Exponential Evolutionary Programming Approach for security Constrained Economic Dispatch Problem with FACTS Device.
- M.E., Power System Engineering, Madurai Kamaraj University, Madurai, (First Class with Distinction)
- B.E., Electrical and Electronics Engineering, Bharathiar University, Coimbatore (First Class)

PROFESSIONAL EXPERIENCE (21 Years)

- Professor , Department of Department of Electrical and Electronics Engineering, Karunya University, From June 2018 to Till date.
- Associate Professor, Department of Electrical and Electronics Engineering, Karunya University, From April 2012 to May 2018.
- Assistant Professor , Dept. of Electrical and Electronics Engineering, Karunya University, from January 2009 to April 2012.
- Senior Lecturer, Dept. of Electrical and Electronics Engineering, Karunya University, from

Sep 2005 to December 2008.

- Lecturer, Dept. of Electrical and Electronics Engineering, Karunya University, from February 2002

Ph.D Research Guidance (Ph.D Awarded) : 10

Number of Papers published in International Journals : 70

Number of papers published in conferences : 30

TEACHING INTEREST

- Control System
- Power system
- Smart Grid
- Big data analysis
- Electrical Machines
- Hybrid Electrical Vehicle
- Microgrid
- Matlab Programming
- Digital signal Processing

RESEARCH FUNDING FROM GRANTS/CONTRACTS/CONSULTANCIES

The following project has been granted by various national and international funding agencies

S. No.	Title of Project	Duration/Status	Total Cost	Funding Agency
1	IEEE 802 Series Communication Protocols for Smart Grid Application	Nov-14 to April-15 Completed	500 USD.	IEEE Educational Activities, USA
2	Development of Smart Grid Test bed system	May 2018 Completed	Rs.29,24,424	University Grant Commission (UGC) Delhi , Government of India
3	CO ₂ capturing using Bio-Char cake	June 2017 to December 2017 Completed	Rs.10,000	Tamilnadu State Council for Science and Technology, Government of Tamilnadu, India
4	Development and Assessment of a Portable Oxygen Concentrator for Patients with Mild Respiratory Failure	Ongoing	Rs. 18.93,000	Indian Council for Medical Research (ICMR)

RESEARCH INTEREST

- Distributed Generation
- Smart Grid
- Power System
- Economic Dispatch
- Optimization Techniques
- Renewable Energy
- Cloud Computing
- Battery monitoring system for Electrical vehicle.
- Cyber Security
- Electrical Vehicle
- Reactive power Management

PATENT FILED

Title of the Project / Idea	Name of the Inventor	Date of filing	Application No
Intelligent Integrated Control System for Electric Vehicle Battery	Dr.J.Jayakumar Professor	8/03/2020	202041011809

PROGRAM ORGANIZED : 20

TECHNICAL INVITED TALKS : 15

ABROAD VISIT

- International Summit on Water Technology at Technion University, Israel.
- Research Interaction at University of Putra, Malaysia.
- Power Electronics Drives Lab, National University of Singapore, Singapore.