

**National Institute of Technology, Tiruchirappalli:
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Curriculum Vitae



She completed her B.E. degree programme from Anna University in 2006 and M.Tech. degree in Power Electronics from the National Institute of Technology, Tiruchirappalli in 2009. She was awarded her PhD degree in Electrical Engineering from Anna University in 2016. She is currently working as an Assistant professor in the department of Electrical and Electronics Engineering at National Institute of Technology Tiruchirappalli.

1. Name: **Dr. Josephine. R. L**
2. Designation: **Assistant Professor**
3. Office Address: **EEE A2 F6, EEE Annexure-2, BSNL tower building, National Institute of Technology, Tiruchirappalli- 620015.**
4. Telephone (Direct) (Optional): **04312504085**
Telephone: _____ Extn (Optional): _____
Mobile (Optional): _____
5. Email (Primary): **josephinerl@nitt.edu** Email (Secondary) : _____
6. Field(s) of Specialization: **Power Electronics**
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Trichy	20-03-2018 (FN)	Till date
Associate Professor	Sri Krishna College of Technology, Coimbatore	21-06-2017	19-03-2018
Assistant professor (Senior Grade)	PSG Institute of Technology and Applied Research, Coimbatore	01-06-2016	31-05-2017
Research Scholar (Full Time)	Coimbatore Institute of Technology (CIT), Coimbatore	26-12-2013	27-01-2016
Assistant Professor	PSG College of Technology, Coimbatore	01-09-2010	30-11-2011

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Lecturer	PSG College of Technology, Coimbatore	01-06-2009	31-08-2010
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8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Subjects	Division/ Grade
Doctor of Philosophy	Anna University	2016	Electrical and Electronics Engineering	-
M.Tech	National Institute of Technology, Tiruchirappalli	2009	Power Electronics	8.77 (CGPA- First Class with Distinction)
B. E	Anna University	2006	Electrical and Electronics Engineering	81% (First Class with Distinction)

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Associate Dean (Alumni Relations)	National Institute of Technology, Tiruchirappalli	March 2022	Till date
Faculty Advisor	SPIC MACAY, National Institute of Technology, Tiruchirappalli Chapter	February 2022	Till date
Internal Complaints Committee Member	National Institute of Technology, Tiruchirappalli	September 2021	Till date
Internship Coordinator	Institute Innovation Council- National Institute of Technology, Tiruchirappalli	November 2021	Till date
Member of OBC/PWD/Minority cell	National Institute of Technology, Tiruchirappalli	September 2021	Till date
Department Committee Member to implement National Educational Policy (NEP-2020)	National Institute of Technology, Tiruchirappalli	February 2022	Till date
Faculty Advisor	EEE Association & Currents	June 2021	Till date
Member of Media and Public Relations	National Institute of Technology, Tiruchirappalli	2018	2020
NBA Coordinator	Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli	2018	2019

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Press & Media Coordinator	National Power Systems Conference, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli	2018	2019
Member	Electrical drives lab, Siemens CoE	2018	Till date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
University Nominee for Board of studies	Electrical and Electronics Engineering Department, Hindustan College of Engineering and Technology, Coimbatore.	01.09.2020	Till date
DC member	Anna University	2020	Till date

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2009	Academic Rank Holder Award	National Institute of Technology, Tiruchirappalli
2006	Academic Topper Award	SKCT, Coimbatore.
2013	Best paper Award	PSG College of Technology, Coimbatore

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels

Year	B.Tech.	M.Tech
July 2018 (2018-19)	Utilization of Electrical Energy (EEPE25)	Power Quality (EE676)

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

	Basics of EEE (EEIR11) (1 st year Production)	
Jan 2019 (2018-19)	Power Electronics (EEPC21)	
	Electronics Circuits lab (EELR12)	
Jan 2020 (2019-20)	Power Electronics lab (EELR15) both sections (A and B)	
July 2020 (2020-21)	Utilization of Electrical Energy (EEPE25)	
	Basics of EEE (EEIR11)	
Jan 2021 (2020-21)	Power Electronics (EEPC21)	
	Power Electronics lab (EELR15)	
July 2021 (2021-22)	Basics of EEE (EEIR11) (1 st year MME)	
	Utilization of Electrical Energy (EEPE21)	
Jan 2022 (2021-22)		PWM Converters and Applications (EE693)
		Power Converters and Drives lab (EE658)

(iii) Projects guided at Postgraduate level

Sl. No.	Title of Project Guided	Students	College/Institute	Year (in Descending order)
1.	Modelling of an integrated grid with photovoltaic, energy storage and fuel cells	Adarsh Mishra (207120001)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2022
2.	Design and analysis of single-phase onboard electrical vehicle charger using partial power processing			2021
3.	Transformerless single-stage converter for low voltage DCsource integration	Akshatha Patil (207120002)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2022
4.	High Gain Sepic-based Z-source inverter for Electric Vehicles			2021
5.	Speed control of AC drive for Electric vehicle applications	Gollapinni Vaishnavi	NATIONAL INSTITUTE OF	2022

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

6.	Voltage-lift technique-based Quasi Z-Source Inverter for Electric vehicle application	(207120012)	TECHNOLOGY TIRUCHIRAPPALLI	2021
7.	Performance analysis of PV fed Battery interfaced Vector controlled Induction motor drive for irrigation applications	Ganga Prasad Reddy Yeramareddy (207219024)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2021
8.	Performance analysis of PV array fed Induction motor drive for water pumping applications			2020
9.	Modified SEPIC DC-DC Converter Configuration Fed from PV Array using MPPT Control for Power Grid Application	Geddadi Praveendra Reddy (207218004)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2019
10.	Small signal analysis of Revamped SEPIC DC-DC converter configurations fed from PV array using MPPT control			2020
11.	Design of Reduced Switch Count MLI with Reduced Carrier PWM Scheme	Kapadiya Nikita Pravinbhai (207218007)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2020
12.	Design of Reduced Switch Count Multilevel Inverters with Reduced Carrier PWM Scheme			2019
13.	Modified Voltage Lift switched inductor configurations of Revised SEPIC DC-DC Converter	K. S. K. Prasannanajali (207217011)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2019
14.	Modified Voltage Lift Switched Inductor configurations of Revised SEPIC DC-DC Converter for Photovoltaic Applications			2018
15.	VLSI Design of Low-Voltage Low-Power DC-DC Buck Converter in CMOS 180nm Process Technology	Gaurav Khusalani (207217005)	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI	2019
16.	VLSI design of Low-Voltage Low-Power DC-DC buck converter in CMOS 180nm process technology			2018
17.	PWM control of Hybrid Clamped Multilevel Inverters	Padma Beula (09MO11)	PSG COLLEGE OF TECHNOLOGY COIMBATORE	2011
18.	Steady State Analysis and Passivity Based control of single phase PWM current source inverters			2010
19.	Simulation of Incremental conductance MPPT with direct	Manju Parkavi V	PSG COLLEGE OF TECHNOLOGY	2011

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

	control and fuzzy logic method using SEPIC converter	(10MO05)	COIMBATORE	
20.	A Control Strategy for Four-Switch Three-Phase BLDC Motor	Rajasekaran P	PSG COLLEGE OF TECHNOLOGY COIMBATORE	2010
21.	Modeling and control of wind energy conversion system equipped with DFIG	(08MO10)		2009
22.	Multilevel inverter for Grid connected PV systems	Elizabeth Jose	PSG COLLEGE OF TECHNOLOGY COIMBATORE	2010
23.	Online Automatic switching of consumers connections for improved performance of distribution feeder	(08MO03)		2009

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
-	-	-	-	-

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Sathiyathan. M	Design and Analysis of Power Converters with Intelligent Controllers for Hybrid Renewable Energy Systems	Co-Supervisor	2022

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper)	Event Organized by	Venue

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

			presenter, Any other)		
24.01.2022 to 29.01.2022	Innovation, Start-up, and Technology	National	Participant	National Research Development Corporation, Innovation Facilitation Centre	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/
Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
A One-week Faculty Development Programme on “Life Skill Management” (Focused on Personal Effectiveness) (on-line mode) under AICTE ATAL scheme	National	27.12.2021- 31.12.2021	Coordinator	National Institute of Technology Tiruchirappalli
Short Term Course on Modelling and Simulation Tools in Power Electronics – Phase - 1	National	14.07.2021- 20.07.2021	Coordinator	National Institute of Technology Tiruchirappalli
Short Term Course on Modelling and Simulation Tools in Electrical Engineering – Level 1	National	12.04.2021- 16.04.2021	Coordinator	National Institute of Technology Tiruchirappalli
Five Day Workshop on Renewable Energy Grid Integration-Challenges and Operational strategies	National	18.01.2021- 22.01.2021	Coordinator	National Institute of Technology Tiruchirappalli
Artificial intelligence using Deep learning and Machine learning (One week FDP)	International	26.11.2018- 30.11.2018	Coordinator	National Institute of Technology Tiruchirappalli

18. Invited Talks delivered

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

Topic	Date	Inviting Organization	Topic
National Educational Policy 2020- Higher Education	25-09-2021	KPR Institute of Engineering and Technology, Coimbatore	opportunities in higher education
Energy Management Systems and Power Converters in EV	20-09-2021	RMK College of Engineering and Technology, Thiruvallur	ATAL Academy sponsored one week online FDO on "Electric Vehicles: Challenges and opportunities in Future India"
National Educational Policy-2020	17-09-2021	GPREC Kurnool, A. P	AICTE sponsored short term training programme under AQIS on "practical exposure on machine learning and data science- Phase-III"
Trends in Electrical Vehicle	12-07-2021	The Oxford College of Engineering, Bangalore	virtual FDP 2K21
Cutting Edge Technologies in Energy storage system for E-mobility	18-06-2021	KPR Institute of Engineering and Technology, Coimbatore	ATAL Academy sponsored one week online FDO on "Electric Vehicles: Challenges and opportunities in Future India"
National Educational Policy 2020- Higher Education	16-06-2021	K. Ramakrishnan College of Engineering, Tiruchirappalli	Institution Innovation Cell forum
Power Converters in Electrical Vehicles	05-05-2021	College of Engineering, Guindy	AICTE sponsored online two-week FDP "Trends and challenges in power converters and control"
Electrical Vehicle and Energy Management system	21-04-2021	Jerusalem College of Engineering, Chennai	AICTE sponsored virtual STTP on "Electric Mobility : Development, Integration and Design Challenges" (Phase – II)

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

Hybrid Energy Storage Systems	19-04-2021	Pragathi Engineering college, Surampalem	AICTE-ISTE sponsored one-week Induciton/Refresher Programme
Control Engineering in electrical vehicles	08-02-2022	SRM TRP Engineering college, Trichy	six-day FDP on "Control Engineering in electrical vehicles"
Energy Management strategies and Power Electronic Converters in EV	10-06-2021	National Institute of Technology Tiruchirappalli	ATAL Academy sponsored one-week online FDP on "Electric Vehicles "
Trends in EV	11.04.2022	Muthayammal College of Engineering, Namakkal	Five - Day FDP
Control Engineering in EV's	08.02.2022	SRM TRP Engineering College, Trichy.	Six - Day FDP

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Member	Institute of Engineers (India)	M-167058 and 17.12.2019

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
X. Venci., , Arumugam, J., George, A., Dhayal Raj, A., Albert Irudayaraj A., Josephine, R.L. , John Sundaram S., Wedad A. Al- Onazi., Al- Mohaimed A.M., Tse-Wei Chen., Kaviyarasu, K.	Photocatalytic degradation effect of CdSe nanoparticles for textile wastewater effluents at low cost and proves to be efficient method	Environmental Research	213	113595	2022	8.431
Arumugam, J., George, A., X. Venci., Dhayal Raj, A., Albert Irudayaraj A., Josephine, R.L. , John Sundaram S., Wedad A. Al- Onazi., Al- Mohaimed A.M., Tse-Wei Chen., Kaviyarasu, K.	Exploring and Fine Tuning the Properties of One Dimensional Bi ₂ S ₃ nanorods,	Journal of Alloys and Compounds (Elsevier)	902	-	2022	6.371
Arumugam, J., George, A., Dhayal Raj, A., Albert Irudayaraj A., Josephine R.L. , John Sundaram S., Saad Algarni T. , Al- Mohaimed A.M., Balasubramania	Improved Ag doped Bi ₂ S ₃ nanowire-based photodiode: Fabrication and performance,	Materials Letters, Elsevier,	Vol 302	-	2021	3.574

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

n, B., Kaviyarasu, K.,						
J. Arumugam, Amal George, A. Dhayal Raj, A. Albert Irudayaraj, R.L. Josephine , S. John Sundaram, Amal M. Al- Mohaimed, Wedad A. Al- onazi, Mohamed Soliman Elshikh, K. Kaviyarasu.	Construction and Characterization of Photodiodes prepared with Bi ₂ S ₃ Nanowires.	Journal of Alloys and Compounds (Elsevier), 2021	863	-	2021	6.371
George, A., Magimai Antoni Raj, D., Venci, X., Dhayal Raj A., Albert Irudayaraj A., Josephine R.L. , John Sundaram S., Al- Mohaimed A.M., Al	Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application	Environmental Research (Elsevier)	203		2021	8.431
George, A., Raj, D.M.A., Dhayal Raj. A, Nguyen, B.S., Phan, T.P., Pazhanivel, T., Sivashanmugan, K., Josephine , R.L. , Irudayaraj , A.A., Arumugam, J. and Nguyen, V.H.,	Morphologically tailored CuO nanostructures toward visible- light-driven photocatalysis	Materials Letters, Elsevier, SCIm ago Indexed,	281	-	2020	3.574
agaraj, G., Dhayal Raj. A	Tuning the optical band Gap of pure TiO ₂ via	Optik, Elsevier	179	889- 894	2019	2.84

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

and Josephine, R.L	photon induced method					
M. Sathiyathan, S. Jaganathan , R. L. Josephine.,	Multi-input and multi-output bi- directional power converter for solar photovoltaic system.	Electrical Engineering, Springer.	-	1-16	2021	1.836
Sathiyathan, M., Jaganathan, S. and Josephine, R.L.,	Design and Analysis of Universal Power Converter for Hybrid Solar and Thermoelectric Generators.	Journal of Power Electronics, springer.	19(1) ,	220- 233	2019	1.114
R.L.H. Catherine, A. Soundarrajan, J osephine, R.L.,	Enhanced power generation using Index squaring and Calcudoko methods for partial shading photovoltaic system	Applied Mathematics and Information Sciences.	13 (1)	127- 138	2019	-
R.L.H. Catherine, A. Soundarrajan, J osephine, R.L.,	Encompassing Monte Carlo Estimator with fair division method in determination of best suited methods in photovoltaic systems under partial shading conditions	Journal of Electrical Engineering.	-	-	2019	0.647
Josephine, R.L., Suja, S. and Dhayal Raj. A	Comparison of optical, structural, morphological, vibrational and thermal analysis of V2O5 nanobelts	Optik, Elsevier	127 (6)	3299- 3302	2016	2.84

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

	prepared with and without the application of constant current source from renewable energy					
Josephine, R.L., Shanmugham, S. and Jerome, J.,	Encompassing nine switch converter approach in wind-hydro hybrid power system feeding three phase three wire dynamic loads.	International Journal of Electrical Power & Energy Systems, Elsevier,.	79	66-74	2016	5.659
Karthikeyan, S., Dhayal Raj. A, Albert Irudayaraj. A., and Josephine, R.L.,	Effect of precursor concentration on the properties of lanthanum oxide nanostructures	Materials Today: Proceedings, Elsevier	2	4390-4394	2015	26.943
Josephine, R.L., Shanmugham, S., Gunasekar, K., Atla, N.R. and Murugesan, K	Effective utilisation and efficient maximum power extraction in partially shaded photovoltaic systems using minimum-distance-average-based clustering algorithm.	IET Renewable Power Generation.	10(3,	319-326	2016.	-
Raj, D.M.A., Dhayal Raj. A, Albert Irudayaraj. A., Josephine, R.L., Kumar, M.S. and Thambidurai, M.,	One step synthesis, optimization, and growth mechanism carambola fruit shaped CuO nanostructures	Journal of Materials Science: Materials in Electronics, Springer	26	659-665	2015	2.478

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Josephine, R.L., and Suja, S.	. Experimental Investigations with Fuzzy Controller for PV Fed DC Motor Incorporating SEPIC Converter as Efficient Power Interface.	In Applied Mechanics and Materials	550	110-125	2014	-
Josephine, R.L., Suja, S. and Karunambika, G	Combination of fixed configuration and reconfiguration method for maximum power extraction from PV arrays	Advances in Natural and Applied Sciences	8 (20)	67-73	2014	-
Josephine, R.L., and Suja, S	Estimating PMSG wind turbines by inertia and droop control schemes with intelligent fuzzy controller in Indian development	Journal of Electrical Engineering and Technology, springer	9	1196-1201	2014	1.069
Josephine, R.L., R.L.H. Catherine, Padmabeula, A., and Dhayal Raj. A	PWM control for Hybrid clamped multilevel inverters	Journal of Electrical Engineering	13	107-113	2013	0.647
Josephine, R.L., R.L.H. Catherine, Padmabeula, A., and Dhayal Raj. A	Simulation of Incremental Conductance MPPT with Direct Control and Fuzzy logic methods using SEPIC converter	Journal of Electrical Engineering	13	99-116	2013	0.647
Arumugam J, Dhayal Raj A., Karthikeyan S., Albert	Synthesis of Bi2S3 nanostructures:	. International Journal of ChemTech Research,	6	2029-2031	2014	-

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Irudayaraj A., Josephine R.L. , ,Magimai Antoni Raj D	Solvothermal approach					
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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Josephine. R. L, Yoogesh Kumar, Harishankar S.,	Analysis of cascaded multilevel inverters for smart grid connected PV systems	International conference on Power Electronics and Renewable Energy Systems (ICPERES-2021)		Electrical Engineering	Department of Electrical and Electronics Engineering SRM Institute of Science And Technology Kattankulathur, Chengalpatu 603203, Tamilnadu, India	2021
Josephine. R. L , Ganga Prasad Reddy Y and R. B. Prakash	Performance analysis of solar PV fed induction motor drive for irrigation applications	International Online Conference on Smart Grid Energy Systems and Control (SGESC-2021)		Electrical Engineering	Department of Electrical Engineering, National Institute of Technology Kurukshetra Kurukshetra-136119, Haryana, India	2021
G. Praveendrare	Modernized SEPIC	52nd Annual Frontiers of		Electrical Engineering	Oklahoma State	2019

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

ddy, Josephine. R. L and R. B. Prakash.	converter configuratio n fed from PV array using MPPT	Power Conference			University, Oklahoma, USA	
Josephine. R. L., Prasannanjal i and S. Moorthi	Modified Voltage Lift Switched Inductor Based SEPIC Converter for Photovoltaic Boost Application s	51st Annual Frontiers of Power Conference		Electrical Engineering	Oklahoma State University, Oklahoma, USA	2018
Josephine. R. L., V. Raj and Mauryan.	A novel single phase AC-AC Converter using four controlled switches	50th Annual Frontiers of Power Conference		Cyber Physical Energy Systems, Resiliency, Reliability and Renewability	Oklahoma State University, Oklahoma, USA	2017
Josephine. R. L., Suja. S and G. Karunambik a.	Effect of Partial Shading Conditions in PV Arrays Using Flipped H, Circular Rotation, Up Down and Inverted Triangle Methods	47th Annual Frontiers of Power Conference (power Technologies)		Power Technologies	Oklahoma State University, Oklahoma, USA	2014
Josephine. R. L., Suja. S and G. Karunambik a.	Combinatio n of Fixed Configurati on and Reconfigura tion Method for	International conference on Electrical Electronics, Instrumentation and computer communication		Electrical Engineering	Karpagam College of Engineerin g, Coimbatore , Tamil Nadu, India	2014

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

	Maximum Power Extraction from PV Arrays					
Josephine. R. L., Suja. S. and N. Vidhya.	Energy Management in Renewable System Incorporating Optimization using Domestic Controller	Advances in Control and Computing of Analog and Digital Systems (ACCADS - 2014)	79-87	Renewable Energy Systems	Coimbatore Institute of Technology , Tamil Nadu, India	2014
Josephine. R. L. and Suja. S.	Frequency control in Wind Energy Systems by Inertia and Droop control techniques with fuzzy Logic Scheme for Squirrel Cage Asynchronous Generator	International Conference on Intelligent and Efficient Electrical Systems (ICIEES- 2013)		Sustainable Energy	PSG College of Technology , Coimbatore , Tamil Nadu, India	2013
Josephine. R. L. and V. Maju Parkavi.	Simulation of incremental conductance MPPT with direct control and fuzzy logic methods using SEPIC converter	Proceedings of National Conference on Control, Instrumentation and Automation (NCCIA)	74-80	Control, Instrumentation and Automation	PSG College of Technology , Coimbatore , Tamil Nadu, India	2011

**National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members**

Padma Beula. A and Josephine. R. L.	PWM control for hybrid clamped multilevel inverters	PWM control for hybrid clamped multilevel inverters. Proceedings of the conference on Control Systems and Automation (CCSA)	41-45	Control systems and Automation	PSG College of Technology , Coimbatore , Tamil Nadu, India	2011
P. Rajasekhar and Josephine. R. L.	A control strategy for four switch 3-phase BLDCM	Proceedings of National Symposium for Post Graduate Students (NSPGS)	289 - 294	Control systems and Automation	PSG College of Technology , Coimbatore , Tamil Nadu, India	2010
Elizabeth Jose and Josephine. R. L.	Automated switching of consumer loads in a three-phase feeder system	Proceedings of National Symposium for Post Graduate Students (NSPGS)	239 - 244	Control systems and Automation	PSG College of Technology , Coimbatore , Tamil Nadu, India	2010

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Josephine R L, Gollapinni Vaishnavi, Akshatha Patil, M. Sai Harsha Naidu, Rachaputi Bhanu Prakash, A. Dhayal Raj	Power Electronics for Electric Vehicles and Energy Storage: Emerging Technologies and Developments	CRC Press, Taylor & Francis group.	(Approved)	-
M. Sathiyathan, S.Jaganathan and Josephine. R. L,	Multi-mode power converter topology for renewable energy integration with smart grid	Scrivener Publishing	2021	9781119750420

National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Josephine. R. L, R. B. Prakash	Efficient Energy Conversion Techniques for PV fed Induction Motor Drive in Irrigation Applications	CRC Press, Taylor & Francis group.	(Approved & In-Press)	-
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