

Dr. Kaniganti Kalyan Raj

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RESIDENTIAL ADDRESS:

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ACADEMIC QUALIFICATIONS:

S.No	Qualification	University/ Board	% marks/ CGPA	Year passed out
1	PhD (Power Distribution Systems)	JNTU Kakinada		2018
2	M.Tech (Power Electronics and Power systems)	KL University Vijayawada	9.1	2011
3	B.E (Electrical and Electronics Engg.)	BEC Bapatla	62	2008
4	Intermediate	Board of Intermediate	91.6	2004
5	S.S.C	Board of Secondary Education	89	2002

ACADEMIC REWARDS / ACHIEVEMENTS:

- Received Research Assistantship from TEQIP during period of pursuing PhD .
- Qualified **IELTS** with score of 6.5

PROFESSIONAL EXPERIENCE:

S.No	Designation	Instituion	Period
1	Assistant Professor	G.E.C, Gudlavalleru	1 st June 2018 to till date
2	Assistant Professor	T.K.R.College,Hyderabad	24/12/2016 to 31/05/2018
3	Research Scholar	UCEK,JNTUK,Kakinada	1/09/2012 to 1/12/2016
4	Assistant Professor	KLU,Vijayawada	01/07/2011 to 01/10/2012

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
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SPECIALIZATION: Distributed Generation, Genetic algorithm application to optimization problems

RESEARCH PAPERS / BOOKS:

BOOKS PUBLISHED IN PUBLICATIONS:NIL

PAPERS PUBLISHED IN JOURNALS: 06

1. K. Kalyan Raj and R. Srinivasa R, “A Novel Equivalent Capacitance Model of DFIG to Study its Reactive Power Control Capabilities and its ability to Stabilize SEIG”, International Journal of Renewable Energy Research, Vol.6, No.2 pp. 561-569, 2016 (**Thomson Reuters ESCI, Impact factor: 0.952**).
2. K. Kalyan Raj and R. SrinivasaRao, “Voltage control of SEIG using D-STATCOM and DFIG - A Comparative study”, Journal of Engineering Research, Kuwait Journals, Springer's GSJ, Vol.5, No.3 pp. 1- 14, 2017. (**Thomson Reuters SCIE, Impact factor: 0.333**)
3. M Ravindra, R Srinivasa Rao, K Kalyan Raj , “Critical Bus Constrained Optimal PMU Allocation with Zero Injection Modeling for Complete Observability”. Indian Journal of Science and Technology, Vol. 9, No.48, Dec.2016.(Thomson Reuters (**Thomson Reuter’s Master journal List, Impact Factor : 0.68**)).
4. Kalyan Raj .K, SrinivasaRao. R, Enhancing the Stability of SEIG Connected Distribution System Using Reactive Power Control Capabilities of DFIG under Varying Wind Speeds. Journal of Energy and Power Engineering, Vol.12, No.5, pp. 266-280, 2018 (**Scopus Indexed**).

5. Published Monograph, Kalyan Raj .K "Voltage control of Self Excited Induction Generator", LAP Lambert Academic Publishing (2012), SBN 10: [3848499681](#) ISBN 13: [9783848499687](#).
6. Kalyan Raj. K , Voltage control of Isolated SEIG for variable speed applications Using MatLab, Published in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-1, Issue-3, February 2012.

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

1. K. Kalyan Raj and R. Srinivasa Rao, "Analysis of induction generators and advanced power electronic converters for wind energy conversion technology", in 2013 IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (Prime Asia), Visakhapatnam pp. 83-88, September 2013.
2. K. Kalyan Raj and R. Srinivasa Rao, "Power flow modeling of wind generators and study of their impact on the distribution system during different wind speeds", in IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO), Vignan's Institute of Information Technology, Visakhapatnam, India, pp. 1-6, 24-25 January 2015.

LIST OF WORKSHOPS ORGANIZED: 01

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- Attended a Workshop on "Distributed Generation and Power Quality issues" at Osmania University July 2014
- "Nature inspired algorithms and its applications", Short term course conducted during Feb 8-12 2016 by ISM Dhanbad at New Town, Kolkata.
- Attended Workshop on "Recent advances in Power electronics and industrialdrives" at JNTUK, March 2015.

CERTIFICATIONS:NIL

GUEST LECTURES DELIVERED:02

- Delivered lecture on "MatLab for Electrical Engineering" at UCEK,JNTUK on 15/3/2018.
- Delivered keynote lecture in The 3rd Renewable Energy Sources - Research and Business conference (RESRB) 2018 held on June 18-20, 2018 in Brussels (Belgium)

MEMBERSHIP IN PROFESSIONALBODIES:01

1. Member – IEEE

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil