


<b>1. Name</b>	<b>K.Yamuna</b>	
<b>2. Designation</b>	<b>Asst.Professor</b>	
<b>3. Date of Joining</b>	<b>02.06.2010</b>	
<b>4. Specialization</b>	<b>POWER SYSTEMS</b>	
<b>5. Academic Qualification</b>	<b>B.E., M.E.,</b>	
<b>6. Domain Mail ID &amp; Contact Number(s)</b>	<b><a href="mailto:yamuna@ksrce.ac.in">yamuna@ksrce.ac.in</a> &amp;9025205001</b>	
<b>7. Experience Details(Chronological)</b>	<b>Teaching: 18 yrs. Industry:-</b>	

### 08.Experience & Promotion Details

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	K.S.R.College of Engineering	Lecturer	04.06.2005	08.10.2007
2.	BanariAmman Institute of technology	Lecturer	10.10.2007	24.05.2010
3.	K.S.R.College of Engineering	Senior Lecturer	02.06.2010	01.07.2010
4.	K.S.R.College of Engineering	Asst.Prof.	01.07.2010	Till date

### 09. Publication Details:-

S.No	*National Level		*International Level		Google Scholar Citations:
	Journal(s)	Conference(s)	Journal(s)	Conference(s)	h-index :
<b>KSRCE</b>	-	3	6	9	1
<b>Others</b>	-	-	-	-	-

### 10. Detail of Book/Book Chapter Published:-

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing	ISBN no
<b>1.</b>	Recent Trends in Renewable Energy with Power Electronics	Dr.P.M.Balasubramanian K.Balasubramanian A.Vasanthi K.Yamuna B.Yuvarani	Scientific International Publishing House	2023	9789357574617

2.	Safeguarding the Future: Exploring Enhanced Safety, Shaping Consumer Perceptions, Unveiling Future scope in Biodegradable Nanocoatings for Sustainable Packaging Solutions	Dr.P.Govindasamy, Dr.A.Gowtham, S.Karthikeyan and K.Yamuna	Infinity Publication	2024	978-1304617187
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### 11. Patents Filled : -

S.No	Patent Application No	Title of Invention	Date of filing	Date of Published
1.	202241030671 A	ECO-FRIENDLY AND COST-EFFECTIVE PANELS FOR SMART GRIDS FROM SPATIOTEMPORAL OPTIMIZATION OF CHARGING E-VEHICLES	28/05/2022	03/06/2022

### 12. Professional Recognition/Award/Prize, Fellowship/Internship received etc:-

S.No	Name of Award/Fellowship/Internship	Awarding Agency
1	Internship on Renewable energy Design	Pantech e-Learning

### 13. Membership in Professional Bodies:-

- Indian Society for Technical Education (ISTE) - Life Member (LM 74454)

### 14. Social media details:-

<b>LinkedIn Profile Link</b>	<a href="http://www.linkedin.com/in/yamuna-thinakaran-58513a292">www.linkedin.com/in/yamuna-thinakaran-58513a292</a>
<b>Instagram Profile Link</b>	<a href="https://www.instagram.com/k.yamunaeee/">https://www.instagram.com/k.yamunaeee/</a>
<b>Youtube Profile Link</b>	<a href="https://www.youtube.com/@yamunak5626">https://www.youtube.com/@yamunak5626</a>

### 15. Areas of Interest: Smart Grid, Energy Management

## List of Publications

### International Journal: 06

1. K. Yamuna and S. Mutharasu (2012), "A Fuzzy Based Soft Switching Converter for Power Factor Correction", Bonfring International Journal of Power Systems and Integrated Circuits, vol.2, special Issue 1, part 1, 16-17 February 2012.
2. Satheyaraj. N, Yamuna, K. published a paper entitled "A single stage power factor correction for single phase AC-DC converter" in the International Journal of Innovative Research in Science Engineering & Technology (ISSN:2319-8753), Issue 1, Vol.3 Feb.2014.
3. S.Yamini, K. Yamuna (2015), "An isolated multiport DC-DC converter with decoupled power flow management of multiple renewable energy sources", International journal of Applied Engineering Research, vol.10, pp-9420-9425.
4. M. Sornalatha, K. Yamuna, A. Vasanthi & B. Yuvarani (2021), "A Non-Invasive Way to Determine Blood Type Based On Antigen Property", International Journal of Electrical and Electronics Engineering (IJEEE), Vol. 10, Issue 2, Feb-Mar 2021.
5. S. A. Chithra Devi, K. Yamuna & M. Sornalatha (2021), "Multi-objective optimization of optimal placement and sizing of multiple DG placements in radial distribution system using stud krill herd algorithm", Neural Computing and Applications, April 2021.

### International Conference: 09

1. Yamuna, K. (2011) "A Bidirectional DC-DC Converter For Renewable Energy Applications" Proceedings of International Conference on Recent Trends in Renewable Energy Systems, organized by Hindustan College of Engineering, pp 233-239, 2011.
2. Yamuna, K. (2014), "A Single Stage Power Factor Correction for Single Phase AC-DC Converter", International Conference on Engineering, Technology and Science, Organized by Muthayammal College of Engineering, Tamilnadu, February 2014.
3. Yamuna, K. (2012) "A single phase soft switching converter for power factor correction using fuzzy logic" Proceedings of International Conference on computing techniques embedded systems & drives, organized by PPG institute of technology.
4. Yamuna, K. (2015) "An Isolated Multiport DC-DC converter for multiple Renewable Energy Sources" International Conference on Intelligent systems and control, organized by Karpagam College of Engineering.
5. Yamuna, K. (2015) "An Isolated Multiport DC-DC converter Interfacing for multiple Renewable Energy Sources using fuzzy logic controller" International Conference in Synergistic Evolutions engineering, organized by Surya Engineering college.
6. Yamuna, K. (2020) "Power quality improvement in single phase grid using photovoltaic in UPQC" 6th International Conference on Engineering and Technology, organized by Selvam college of technology, Namakkal.
7. Yamuna, K. (2022) "A smart energy meter with power theft monitoring and home automation using IoT" International conference on science, Technology, Engineering and Mathematics, organized by Jansons insitute of technology, Coimbatore

8. RD Selvam P,R Venkatesh,K Yamuna,M Shyamala Gowri,Balamurugan A,"A Spontaneous Energy Optimization Algorithm-based Amalgamated Power Quality Conditioner (APQC) to Reduce Harmonic Effects and Improve Power Quality for Grid-Connected Wind Energy System", International Conference on Sustainable Communication Networks and Application (ICSCNA), 2023,DOI:10.1109/ICSCNA58489.2023.10370535
9. Mrs.K.Yamuna C.Sibi Chakaravarthi R.Nivya J.Sudharsana V.NaveenKumar, "Smart Scheduler Based Demand Side Management On Household Electricity Consumption", International conference on emerging materials and technology (ICEMT - 2024).

### **National Conference: 03**

1. K. Yamuna and S. Mutharasu (2012), "A Fuzzy Based Soft Switching Converter for Power Factor Correction", National Conference on Communication Technology Interventions for Rural and Social Developments, Organized by Sri Krishna College of Engineering and Technology, Tamilnadu, 16-17 February 2012.
2. Yamuna, K., S. Mutharasu (2012), "A Novel Soft Switching based Power Factor Correction converter", National Conference on Innovations in electrical &electronics engineering, Organized by M.P.NachimuthuM.Jaganathan engineering college, Tamilnadu, Jan 2012.
3. K.Yamuna, Aravinth V V,Arunprasaath C P,Ahmed Ashik M,Gokulnath P, "Automatic Detection and Cutting of Grass Using Hybrid Sources", Virtual National Conference on Innovations in Electrical Power and Green EnergieS (NCIEPGES'21) held on 24th March 2021 in Virtual mode organized by M. Kumarasamy College of Engineering, Karur, Tamil Nadu – India.

### **National Journal: -**