



SRINIVAS UNIVERSITY

Mangalore-575001, Karnataka (India)

Srinivas Centre for Research in Energy Management



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The research focuses on the energy challenges in India, the cause and the effects of the same in economic development, and sustainability. Energy is the building block of the life. Energy needs, production, consumption and sustainable development are critical issues to ensure India's economic growth. Looking at Indian scenario the sustainability in energy production and consumption is larger compared to Organization for economic co-operation and Development (OECD) countries. This research focuses on efficient production and use of renewable energy using the sustainable long term energy sources like bright sunlight, wind blow, the wave and tides near the sea shore. Here the importance is given in producing the energy at a local level and using the same at a very efficient way to improve Indian economy.

Publication :

2017

- P Sridhara Acharya and P. S. Aithal (2017) ELECRCITY FROM MICROBIAL FUEL CELL-CHALLENGES IN IMPLEMENTING THE CELL IN RURAL INDIA (IJAASR) Impact Factor(5.255) ISSN(Online): 2456- 3080 (www.dvpublication.com) Volume 2 Issue 1,2017 Page Number 90-93
- Sridhar Acharya, P. & **Aithal, P. S.** (2017). Increasing the Efficiency in Renewable Energy-Challenges and Solutions for Rural India. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 1(1), 1-5. DOI: <http://dx.doi.org/10.5281/zenodo.810341>.
- Sridhar Acharya & **Aithal, P. S.**, (2017). Opportunities and Challenges of Producing Solar Energy in Every Indian Home – A case Study. *International Journal of Case Studies in Business, IT and Education (IJCSBE)*, 1(2), 114-119. DOI: <http://dx.doi.org/10.5281/zenodo.1133921>.

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- Sridhar Acharya P. & Aithal, P.S. (2016). Concepts of Ideal Electric Energy System for production, distribution and utilization, *International Journal of Management, IT and Engineering (IJMIE)*, 6(1), 367-379, (January 2016), ISSN: 2249-0558, I.F. 6. 269. DOI : <http://doi.org/10.5281/zenodo.161143>
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<http://ssrn.com/abstract=2823013>
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- P. Sridhar Acharya and P. S. Aithal, "Innovations in Effective Management of Energy using Green Technology", *International Journal of Conceptions on Management and Social Sciences* Vol. 3, Issue. 2, April 2015, pp. 18 - 22, ISSN: 2357 2787.
- P. Sridhar Acharya and P. S. Aithal, "Innovations in Effective Management of Energy using Green Technology", *Proceedings of WARICO International Conference on Emerging Trends in Engineering, Technology & Science (ICETETS April 2015)* held on 2nd & 4th April, 2015 in Malla Reddy Institute of Engineering and Technology, Secunderabad, India
- P. Sridhar Acharya and P.S. Aithal, Innovations in effective management of Energy using Green Technology, *International Conference in Quality through Innovation*, Anna University 19-20 Feb 2015.
- P. Sridhar Acharya & P. S. Aithal Techniques for Electric Energy Auditing in Education System *Proceedings of National conference Recent Advances in IT, Management and Social Sciences, Manegma - 2015*, Mangalore on 23rd April, 2015, ISBN No. 978-81-929306-6-4.
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- P. Sridhara Acharya, A study on changing trends in power sector special effect on Domestic Appliances in National conference on Changing trends in Management, IT, and Social sciences, Manegma 2014, Mangalore, 09/04/2014, ISBN No. 978-81-929306-0-2, (2014).

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- P. Sridhara Acharya, Optimum Management of Electrical Energy Using Renewable Energy Resource Concentrating on Rural India, MANEGMA 2013- Proceedings of National Conference on Sustainable Growth in Developing Economies, Manegma 2013 held at Srinivas Institute of Management Studies, Mangalore on 12/04/2013

Working Papers

- Optimization of the energy usage in IT industries- Opportunities and Challenges
- Design and Study of a Controller for Optimal Utilization of the Solar Energy