



<http://ijopar.com>; 2016 Vol. 3(1); pp. 52-57



## Renewable Energy Sources: A Solution of Power Crisis

**Dr. Niranjani Chaurasia**

Assistant Professor, Department of Chemistry  
Sri J.N.P.G. College, Lucknow, U.P. (India)

Email: [dr.niranjanchaurasia19@gmail.com](mailto:dr.niranjanchaurasia19@gmail.com)

---

Date of revised paper submission: 24<sup>th</sup> July 2016; Date of acceptance: 31<sup>st</sup> July 2016

Date of publication: 14<sup>th</sup> August 2016; Impact Factor: 3.598; Quality Factor: 4.39

\*First Author / Corresponding Author; Paper ID: B16303

---

### Abstract

*Crisis of power is one of the major problems in developing countries particularly in India. Day by day the gap between demand and production is increasing. Moreover, most of the power plants are fossil fuel based which will be phased out in future. Misuse and system loss in power sector are supposed to be the main issue regarding this crisis. It is possible to fulfill load demand by reducing transmission loss, by using compact fluorescent or LED lamps, transformation of holiday, proper load management and encouraging Independent Power Producers (IPP). Priority is given to control the misuse and mismanagement in power sector than to increase the generation of power. But proper utilization of renewable energy should be the up most choice for the solution of the power crisis. This is because it requires low cost and has lesser risk Initiative should be taken to develop new technology and skilled manpower required for the power sector considering renewable energy sources.*

**Keywords:** Energy, Power.

### REFERENCES

- [1]. Marcos L.S. Oliveira, Fabiane Marostega, Silvio R. Taffarel, Binoy K. Saikia, Frans B. Waanders, Katia DaBoit, Bimala P. Baruah, Luis F.O. Silva, *Science of The Total Environment*, 468—469, 1128-1137, 2014.
- [2]. C. Marimuthu, V. Kirubakaran, *Renewable and Sustainable Energy Reviews*, 23, 80-90, 2013.
- [3]. Jessica Jewell, *Energy Policy*, 39, 1041- 1055, 2011.
- [4]. Matias Hanel, Rodrigo Escobar, *Renewable Energy*, 49, 96-100, 2013.
- [5]. Antonio Urbina, *Renewable Energy*, 68, 264-269, 2014.
- [6]. D. Azofra, E. Martinez, E. Jimenez, J. Blanco, J.C. Saenz-Diez, *Applied Energy*, 121, 28-37, 2014
- [7]. *Raymond Alcorn*, Chapter 17 - Wave S Energy Future Energy (Second Edition) 357-382, 2014.
- [8]. <http://ijopar.com/files/CurrentIssue/A15102.pdf>