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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4650** |
| Title of the Manuscript:  | **Possibility of Using Fuel Cells for Co-generation of Heat and Power in Venizelio Hospital in Crete, Greece** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Environmental Management and Sustainable Development, 11(1): 51-61, 2022.**

**Available:** [**https://doi.org/10.5296/emsd.v11i1.19191**](https://doi.org/10.5296/emsd.v11i1.19191)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The paper proposes electric power and heat generation in hospital using only green energy. An analysis of energy consumption in a hospital is done and solar PV and fuel cell based systems are proposed for fulling the energy requirements. Combined heat and power generation system increases overall efficiency.**  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Abstract gives a complete overview of the paper** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Technically OK, but need more detailings are needed in section 5 and 6** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Reference 32 needs more details** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments | Literature survey and case study of hospital is OK. Section 5 and 6 needs proper referencing, source of obtaining the results should be explained. Help of software tool can be taken for determining economic feasibility. All costs including installation and running should be explained in detail. Lifetime of the system can also be considered while recovering all of the costs |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  |  |  |

**Reviewer details:**

**Amit Atri, Manav Rachna International Institute of Research and Studies, India**