It is evident that the geometry of the urban form as an urban design parameter is crucial. The layout of the structure can modify the urban climate through proper design, thus improving the thermal comfort both outside and inside buildings, even reducing energy demands for heating and cooling requirements. The main goal of the research is to examine the relationship between different urban forms and the shadow patterns they generate, and to develop evaluation tools for deriving climatic design criteria suitable for use by designers. The main structure of this thesis is arranged in two parts. The first part identifies the conceptual framework of the sustainable urban design in order to provide the reader with basic information about the subject. Secondly, parametric studies have been performed to bridge the gap in the previous studies. The study compares patterns (radial and rectangular) with different orientations and their relation to solar accessibility, bilateral type of buildings, and urban density. While the analysis was mainly related to the Palestinian climate, the techniques employed may be applicable to other countries.
Sustainable Urban Design and Climate: With Reference to Palestine

The Book on the web:

1. amazon.com
   http://www.amazon.com/s?ie=UTF8&rh=n%3A283155%2Cp_27%3AFarid%20Al-Qeeq&field-author=Farid%20Al-Qeeq&page=1
2. Books on Demand
3. Booktopia
4. eason
5. flipkart.com
   http://www.flipkart.com/sustainable-urban-design-climate-farid-book-363926228x
6. NBCINDIA.COM
7. indiaplaza.in
   http://www.indiaplaza.in/farid-al-qeeq.htm
8. THENILE.com.au
9. WHsmith
   http://www.whsmith.co.uk/CatalogAndSearch/ProductDetails.aspx?ProductID=9783639262285
10. Lovereading.co.uk
11. TESCO Books
    http://www.tesco.com/books/browse.aspx?bci=374%7CArt*25%7CRecent%20Releases&N=4293400961
12. THENILE.co.nz
    http://www.thenile.co.nz/books/Farid-Al-Qeeq/Sustainable-Urban-Design-and-Climate/9783639262285/?sid=69e15e07798b743ae68ff8189f55e6f
13. infibeam.com
    http://infibeam.com/Books/search?author=Farid%20Al%20Qeeq
14. Paddyfield.com
15. webster.it
    http://www.webster.it/book_usa-sustainable_urban_design_and_climate-9783639262285.htm
16. Petlaczasu.pl
    http://www.petlaczasu.pl/farid-alqeeq/a00349852

Table of Contents:

1. Human Shelter and Climate
2. Climatic Effects on Human Shelter
3. Basic Urban Design Principles
5. Energy-Saving Techniques in Urban Form Design
6. A Comparison between Radial and Rectangular Forms
7. Shadow Analysis of Different Urban Canyons
8. Solar Insolation Aspects in Bilateral Types of Building
9. Solar Analysis of Complex Forms