



Personal information    Gholamreza Roshan

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### SUMMARY OF THE PROFILE

Climate change has affected various aspects of human life. Therefore, one of my research interests has been studying the consequences of climate change on different sectors, energy, thermal comfort, agriculture, etc. At the same time, Urban climate, climate risks are also among my research interests. In these years, I have had scientific cooperation with various researchers from all over the world Belgium, South Africa, China, Poland, Germany, France, Russia, Oman, Spain and Brazil in the field of publishing articles and carrying out research projects related to climatology.

I am also the editor-in-chief of the Persian-language Journal of climate change research, which is published by Golestan University press. I am currently teaching and doing research work as an associate professor (faculty member) in the geography department of Golestan University.

### Research interest

Climate change, Thermal comfort, Climate and Architecture, Renewable Energy, Climatic modeling

## Education

- 2007-2011 **Ph.D.; Physical Geography-Climatology**, University of Tehran, Tehran, Iran  
**Thesis Topic:** Regional climate change scenarios and their impacts on water requirements for wheat production in Iran
- 2004-2006 **M.S.; Physical Geography-Climatology**, University of Tehran, Tehran, Iran  
**Thesis Topic:** Synoptic study of Widespread Flood on the southern coasts of the Caspian Sea
- 2000-2005 **B.A.; Physical Geography-Climatology**, Kharazmi University, Tehran, Iran

## AWARDS & HONORS

- 2011 Top **Ph.D.** Student in **University of Tehran**
- 2012-2014 Selected researcher of the Faculty of Literature and Humanities, **Golestan University**
- 2015 Selected researcher of the Faculty of Literature and Humanities, **in Golestan Province**
- 2016 Top Researcher, **Golestan University**
- 2017-2019 Selected researcher of the Faculty of Literature and Humanities, **Golestan University**
- 2020 Selected researcher of the Faculty of Literature and Humanities, **in Golestan Province**
- 2021 Top Researcher, **Golestan University**

## Book

- Kristie L. Ebi, Ian Burton, Glenn R. McGregor., Biometeorology for adaptation to climate variability and change, Publisher Springer Dordrecht, Translated by Gholamreza Roshan 2014, Golestan University Press.

## **Journal papers**

**Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types (vol 92, 102660, 2020)**

G Roshan, M Moghbel, S Attia  
JOURNAL OF THERMAL BIOLOGY 98

**Corrigendum to Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types [Vol 92, August 2020, 102660]**

G Roshan, M Moghbel, S Attia  
Journal of thermal biology 98, 102966

**Climatic clustering analysis for novel atlas mapping and bioclimatic design recommendations**

G Roshan, M Farrokhzad, S Attia  
Indoor and Built Environment 30 (3), 313-333

**Comparative assessment of farmers' perceptions on drought impacts: the case of a coastal lowland versus adjoining mountain foreland region of northern Iran**

M Hesam, G Roshan, SW Grab, AR Shabahrami  
Theoretical and Applied Climatology 143 (1), 489-503

**Rain and snow event cooling effect: a comparison on outdoor and indoor thermal comfort in Ardabil, northwest of Iran**

G Roshan, M Moghbel  
Theoretical and Applied Climatology 142 (3), 1581-1594

**Quantifying the cooling effect of rain events on outdoor thermal comfort in the southern coastal stations of the Caspian Sea**

G Roshan, M Moghbel  
Journal of Thermal Biology 93, 102733

**climate change threats to cultural and heritage tourism in Iran**

JM Fitchett, G Roshan  
Cultural and Heritage Tourism in the Middle East and North Africa, 218-238

**Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types**

G Roshan, M Moghbel, S Attia  
Journal of Thermal Biology 92, 102660

**Developing a thermal stress map of Iran through modeling a combination of bioclimatic indices**

G Roshan, M Faghani, JM Fitchett  
Environmental Monitoring and Assessment 192 (8), 1-21

**The role of physical geographic parameters affecting past (1980–2010) and future (2020–2049) thermal stress in Iran**

G Roshan, SW Grab, MS Najafi  
Natural Hazards 102 (1), 365-399

**Projecting spatiotemporal variations of sunshine duration with regards to climate change in Iran as a step towards clean energy**

A Ghanghermeh, G Roshan, A Halabian  
Sustainable Energy Technologies and Assessments 53, 102630

**Mitigation of climate change impact using green wall and green roof strategies: comparison between two different climate regions in Iran**

G Roshan, M Moghbel, M Farrokhzad  
Theoretical and Applied Climatology, 1-18

**Spatial analysis of bioclimatic patterns over Iranian cities as an important step in sustainable development**

G Roshan, M Moghbel, M Taleghani  
Sustainable Cities and Society 83, 103939

**Predicting climate change impact on hospitalizations of cardiovascular patients in Tabriz**

G Roshan, A Ghanghermeh, V Mohammadnejad, P Fdez-Arróyabe, ...  
Urban Climate 44, 101184

**Urban heat island and thermal comfort of Esfahan City (Iran) during COVID-19 lockdown**

G Roshan, R Sarli, JM Fitchett  
Journal of Cleaner Production 352, 131498

**Evaluation of effects of a green wall as a sustainable approach on reducing energy use in temperate and humid areas**

K Karimi, M Farrokhzad, G Roshan, M Aghdasi  
Energy and Buildings 262, 112014

**Proposing a Bioclimatic Atlas in Iran to Achieve Climate Responsive Architecture Strategies**

M Farrokhzad, G Roshan  
Journal of Architecture and Urban Planning 14 (34), 45-69

**Future impact of cloudiness and wind changes on thermal comfort conditions in the city of Tabriz (Iran) in the frame of climate change**

GR Roshan, R Oji, P Fdez-Arróyabe  
Sustainable Cities and Society 77, 103575

**The case of Tehran's urban heat island, Iran: Impacts of urban 'lockdown' associated with the COVID-19 pandemic**

G Roshan, R Sarli, SW Grab  
Sustainable Cities and Society 75, 103263

**The potential impact of the eruption of huge volcanoes of the twentieth century on the temperature change of selected stations in Iran**

G Roshan, M Davudi, M Salehizadeh  
Climate Change Research 2 (7), 13-32

**The Reconstruction the Past Climate based on Temperature Pattern Changes from Tree Rings on Oak Habitats in Golestan Province**

A Ghanghermeh, G Roshan, N Nazarnezhad  
Geography and Environmental Planning 30 (4), 115-138

**Reconstructing the Environmental Changes in the Western Border of Lut Plain Based on the Study of Nebkhas**

S Negahban, G Roshan  
فیزیک زمین و فضا ۴۵ (۴)، ۲۰۳-۲۱۷

**Spatial and temporal displacements in wet and dry periods in the Southeast of the Caspian Sea: Golestan Province in Iran**

A Yelghei, A Ghanghermeh, G Roshan  
Journal of the Earth and Space Physics 45 (4), 219-235

**Comparison of impact of climate change on building energy-saving design for two different climates; Metropolitans of Moscow and Tehran**

G Roshan  
Journal of the Earth and Space Physics 45 (4), 189-202

**Climatic clustering analysis for novel atlas maps and bioclimatic design recommendations**

M Farrokhzad, G Roshan, S Attia  
Indoor and Built Environment

**Modeling the impact of climate change on energy consumption and carbon dioxide emissions of buildings in Iran**

G Roshan, M Arab, V Klimenko  
Journal of Environmental Health Science and Engineering 17 (2), 889-906

**Evaluation and prediction of vegetation changes of Mazandaran, Iran from 2005 to 2017 using Markov chain method and Geographical Information Systems (GIS)**

R Sarli, G Roshan, S Grab  
Scientific-Research Quarterly of Geographical Data (SEPEHR) 28 (111), 149-162

**Comparison of Threats and Opportunities Affected by Global Warming on the Energy Storage of Buildings in a Cold Desert Climate Type for Madrid in Spain and Mashhad in Iran**

G Roshan, J Orosa  
Geographical Planning of Space 9 (31), 191-208

**Projecting the impact of climate change on design recommendations for residential buildings in Iran**

GR Roshan, R Oji, S Attia  
Building and Environment 155, 283-297

**Estimate of outdoor thermal comfort zones for different climatic regions of Iran**

G Roshan, HS Almomenin, SQ da Silveira Hirashima, S Attia  
Urban Climate 27, 8-23

## Analysis tool for bioclimatic design strategies in hot humid climates

S Attia, T Lacombe, HT Rakotondramiarana, F Garde, GR Roshan  
Sustainable cities and society 45, 8-24

## Analysis and comparison of spatial-temporal entropy variability of Tehran city microclimate based on climate change scenarios

A Ghanghermeh, G Roshan, JA Orosa, ÁM Costa  
Entropy 21 (1), 13

## Quantification and assessment of effective of global warming on the occurrence of heat and cold waves in some selected stations in Iran

GR Roshan, A Ghanghermeh, E Neyazmand  
فیزیک زمین و فضا ۴۴ (۴), ۱۲۷-۱۴۴

## Building Energy Consumption and Carbon Dioxide Emissions in a Small Region with a Warm and Semi-humid Climate Type (Iran)

G Roshan, JA Orosa, ÁM Costa, R Bouzón  
Conference of the Arabian Journal of Geosciences, 179-182

## Adaptation Strategies and Resilience to Climate Change for Warm, Dry-Summer Continental Climate in Iran

G Roshan, JA Orosa, ÁM Costa, R Bouzón  
Conference of the Arabian Journal of Geosciences, 175-177

بازنگری در تعیین دمای پایه آسایش حرارتی مناطق اقلیمی متفاوت ایران به منظور محاسبه شاخص درجه-روز مورد نیاز سرمایشی و گرمایشی

قانقرمه، عبدالعظیم، روشن، شاهکویی، اسمعیل  
فصلنامه علمی-پژوهشی اطلاعات جغرافیایی «سپهر» ۲۷ (۱۰۵), ۱۲۷-۱۴۳

## The review of determining the thermal comfort base temperature in different climatic regions in order to calculate the required Degree-Day index for cooling and heating

A Ghanghermeh, G Roshan, S Shahkooeei  
Scientific-Research Quarterly of Geographical Data (SEPEHR) 27 (105), 127-143

## Assessment of the climatic potential for tourism in Iran through biometeorology clustering

G Roshan, R Yousefi, K Błażejczyk  
International journal of biometeorology 62 (4), 525-542

## Spatial and temporal analysis of outdoor human thermal comfort during heat and cold waves in Iran

GR Roshan, AA Ghanghermeh, Q Kong  
Weather and climate extremes 19, 58-67

**Meteorological modeling of the effect of Zeriwar Lake on the supply and demand of energy surrounding areas**

GR ROSHAN, G LAKZASHAKOUR  
JOURNAL OF WETLAND ECOBIOLOGY 10 (35), 65-78

**Assessment of extreme heat stress probabilities in Iran's urban settlements, using first order Markov chain model**

G Roshan, PT Nastos  
Sustainable cities and society 36, 302-310

**Testing a new application for TOPSIS: monitoring drought and wet periods in Iran**

G Roshan, AA Ghanghermeh, SW Grab  
Theoretical and applied climatology 131 (1), 557-571

**A comprehensive analysis of physiologically equivalent temperature changes of Iranian selected stations for the last half century**

G Roshan, R Yousefi, A Kovács, A Matzarakis  
Theoretical and applied climatology 131 (1), 19-41

**Suggestion a new base temperature for calculating the amount of energy demand based on thermal comfort indices and temperature–Physiologic**

G Roshan  
Journal of the Earth and Space Physics 43 (3), 601-621

**Regional simulation model of the meteorological effects of Maharlu Lake on the human climate health of Shiraz in Iran**

G Roshan, MK Nematchoua, V Mohammad Nejad, R Yousefi

**Land use planning based on human-bio meteorological potentials of some selected cities of Iran**

G Roshan  
Journal of the Earth and Space Physics 43 (2), 385-404

آمایش سرزمین بر مبنای پتانسیل‌های هواشناسی زیست انسانی چندین نمونه از شهرهای ایران  
روشن  
فیزیک زمین و فضا ۴۳ (۲), ۳۸۵-۴۰۴

**Synoptic approach to forecasting and statistical downscaling of climate parameters (Case study: Golestan Province)**

A Ghanghermeh, G Roshan, T Nasrabadi  
Pollution 3 (3), 487-504

**Wind turbines design corrections for next Galicia climatic conditions**

JA Orosa, AM Costa, G Roshan, EJ García-Bustelo  
Scientia Iranica 24 (3), 926-932

**Identify different patterns of sea surface temperature using a cluster analysis**

G ROSHAN  
JOURNAL OF WETLAND ECOBIOLOGY 9 (32), 53-70

**Modelling spatial, altitudinal and temporal variability of annual precipitation in mountainous regions: The case of the Middle Zagros, Iran**

R Saeidabadi, MS Najafi, GR Roshan, JM Fitchett, S Abkharabat  
Asia-Pacific Journal of Atmospheric Sciences 52 (5), 437-449

**A new way to define better improvement options of existing buildings for energy saving**

NR Barkhudaryan, G Roshan, JA Orosa  
International Journal of Sustainable Energy 35 (9), 903-913

**The impacts of drying of Lake Urmia on changes of degree day index of the surrounding cities by meteorological modelling**

G Roshan, JM Samakosh, JA Orosa  
Environmental Earth Sciences 75 (20), 1-14

**A new approach to downscaling and project of the climatic components, with emphasis on the temperature parameter (Case Study: Golestan province)**

G Roshan, A Ghangherme  
Journal of the Earth and Space Physics 42 (1), 197-212

**Wind resource assessment over Iran using weather station data**

S Al-Yahyai, G Roshan, AA Ghanghermeh  
International Journal of Sustainable Energy 35 (3), 230-243

**Relationship between landform and soil salinity in the surface and subsurface soils (case study: Southeast of Fars Province, Iran)**

M Mokarram, M Najafi-Ghiri, S Negahban, G Roshan  
Modeling Earth Systems and Environment 2 (1), 1-11

**Long-term trends in tourism climate index scores for 40 stations across Iran: the role of climate change and influence on tourism sustainability**

G Roshan, R Yousefi, JM Fitchett  
International journal of biometeorology 60 (1), 33-52

**Landform classification using topography position index (case study: salt dome of Korsia-Darab plain, Iran)**

M Mokarram, G Roshan, S Negahban  
Modeling Earth Systems and Environment 1 (4), 1-7

**Modeling of the effects of climate change on rainy and gully erosion potential of Kor-chamriz watershed in Fars province**

G Roshan, S Negahban  
Modeling Earth Systems and Environment 1 (3), 1-12



**Modeling the behavior of Vegetation Indices in the salt dome of Korsia in North-East of Darab, Fars, Iran**

M Mokarram, M Hojjati, G Roshan, S Negahban  
Modeling Earth Systems and Environment 1 (3), 1-9

**Application of TOPSIS Index in Monitoring of Droughts and Wet for Golestan providence**

A Ghanghermeh, G Roshan  
Journal of the Earth and Space Physics 41 (3), 547-563

**Regional climate changes and their effects on monthly energy consumption in buildings in Iran**

G Roshan, J A Orosa  
Natural Environment Change 1 (1), 31-48

**Development of a new low-cost procedure for wind farm maintenance with a view to decrease soil pollution**

AM Costa, F Fragueta, JA Orosa, G Roshan  
Pollution 1 (3), 275-285

**Evaluating the consequences of the new standards on noise conditions in ships**

R Bouzón, AM Costa, G Roshan, JA Orosa  
Pollution 1 (2), 127-138

**Effects of climate change on wind energy production in Iran**

G Roshan, MS Najafei, ÁM Costa, JA Orosa  
Arabian Journal of Geosciences 8 (4), 2359-2370

**The influence of Atlantic-Eurasian teleconnection patterns on temperature regimes in South Caspian Sea coastal areas: a study of Golestan Province, North Iran**

AA Ghanghermeh, G Roshan, S Al-Yahyai  
Pollution 1 (1), 67-83

**A new procedure to analyze the effect of air changes in building energy consumption**

N Barkhudaryan, JA Orosa, G Roshan  
Journal of Environmental Health Science and Engineering 12 (1), 1-12

**Effect of climate change on outdoor thermal comfort in humid climates**

JA Orosa, ÁM Costa, Á Rodríguez-Fernández, G Roshan  
Journal of Environmental Health Science and Engineering 12 (1), 1-9

**Spatio-temporal variation in phenological response of citrus to climate change in Iran: 1960–2010**

JM Fitchett, SW Grab, DI Thompson, G Roshan  
Agricultural and forest meteorology 198, 285-293

**Increasing frost risk associated with advanced citrus flowering dates in Kerman and Shiraz, Iran: 1960–2010**

JM Fitchett, SW Grab, DI Thompson, G Roshan  
International journal of biometeorology 58 (8), 1811-1815

### **Thermal comfort and forecast of energy consumption in Northwest Iran**

G Roshan, A Ghanghermeh, JA Orosa  
Arabian Journal of Geosciences 7 (9), 3657-3674

### **Study of dioxide carbon concentration and indoor air quality in some buildings in the equatorial region of Cameroon (Yaoundé)**

M Kameni Nematchoua  
StudyofDioxideCarbonConcentrationandIndoorAirQualityinSomeBuildingsintheEqua ...

### **Impact of climate change on the wheat-growing season over Iran**

G Roshan, R Oji, S Al-Yahyai  
Arabian Journal of Geosciences 7 (8), 3217-3226

### **Case study of weather maintenance in wind power generation**

ÁM Costa, G Roshan, JA Orosa, Á Rodríguez-Fernández  
Arabian Journal for Science and Engineering 39 (7), 5615-5624

### **Temporal responses of peak citrus flowering to climate change in Iran: 1960-2010**

J Fitchett, S Grab, D Thompson, GR Roshan  
EGU General Assembly Conference Abstracts, 593

### **Impact of climate change on outdoor thermal comfort and health in tropical wet and hot zone (Douala), Cameroon**

M Kameni Nematchoua, G Roshan, R Tchinda  
Iranian Journal of Health Sciences 2 (2), 25-36

### **Study of dioxide carbon concentration and indoor air quality in some buildings in the equatorial region of Cameroon (Yaoundé)**

MK Nematchoua, R Tchinda, JA Orosa, G Roshan  
Iranian journal of health sciences 2 (1), 1-15

### **Climate change effect on outdoor ambiances in Iranian cities**

JA Orosa, G Roshan, S Negahban  
Environmental monitoring and assessment 186 (3), 1889-1898

### **Probability of the effect of climate change on the graph of the intensity and frequency of effective precipitation in the regions of the northwest of Iran.**

G Roshan, A Ghanghermeh  
Geography and Environmental Planning 25 (2), 61-84

### **Measuring the Relationship between the Fluctuations of the Precipitation Cluster and the Cycle of Sun Spots in Iran**

GR Roshan, AA Ghanghermeh, E Shahkooeei  
Asian Journal of Research in Social Sciences and Humanities 4 (9), 217-227

**Evaluating the effect of climatic human comfort on the human infant health, case study of Shiraz city, Iran**

G Roshan, E Shahkoeei

Asian Journal of Research in Social Sciences and Humanities 4 (8), 349-360

**Evaluating the effect of climatic human comfort on the human infant health, case study of Shiraz city, Iran**

G Roshan, E Shahkoeei

Asian Journal of Research in Social Sciences and Humanities 4 (8), 349-360

**IMPACT OF INDOOR CLIMATE CHANGES IN GALICIA ON THE AMOUNT OF ENERGY CONSUMED**

N Barkhudaryan, JA Orosa, MJ Hermida-Castro, G Roshan

International Journal of Energy, Environment and Economics 21 (5/6), 437

**New climatic indicators for improving urban sprawl: a case study of Tehran city**

A Ghanghermeh, G Roshan, JA Orosa, JL Calvo-Rolle, ÁM Costa

Entropy 15 (3), 999-1013

**Effect of global warming on intensity and frequency curves of precipitation, case study of Northwestern Iran**

G Roshan, AA Ghanghermeh, T Nasrabadi, JB Meimandi

Water resources management 27 (5), 1563-1579

**The relation between the number of sunspots and fluctuation in the trend of climatic components in Iran during recent decades**

G Roshan

Environmental Resources Research 1 (1), 65-87

**Modeling Caspian Sea water level oscillations under different scenarios of increasing atmospheric carbon dioxide concentrations**

GR Roshan, M Moghbel, S Grab

Iranian journal of environmental health science & engineering 9 (1), 1-10

**Synoptic climatology of the formation of algal blooms in the South Caspian**

A Ghanghermeh, G Roshan

Journal of Geography and Environmental Hazards 1 (2), 85-100

**A new approach to technique for order-preference by similarity to ideal solution (TOPSIS) method for determining and ranking drought: A case study of Shiraz station**

R Gholamreza, M Gafar, S Ali

International Journal of Physical Sciences 7 (23), 2994-3008

**Simulation of climate change impact on energy consumption in buildings, case study of Iran**

Roshan

Energy Policy 49, 731-739

**Assessment of suitable general atmosphere circulation models for forecasting temperature and precipitation amounts in Iran under condition of global warming**

GR ROSHAN, AF KHOSH, G Azizi  
GEOGRAPHY AND DEVELOPMENT 10 (27), 5-7

**Global warming effect on comfort climate conditions in Iran**

R Borna, G Roshan, AK Shahkoochi  
Advances in Environmental Biology, 3511-3518

**Evaluating the climatic potentials of saffron cultivation in Khuzestan province using GIS (Geographical Information System)**

BGR Reza, M Masuma  
African Journal of Agricultural Research 5 (23), 3259-3272

**Evaluating climatic potential for palm cultivation in Iran with emphasis on degree-day index**

S Ali, R Gholamreza, ANK Ali  
African journal of agricultural research 5 (13), 1616-1626

**Studying wind chill index as a climatic index effective on the health of athletes and tourists interested in winter sports**

G Roshan, G Mirkatouli, A Shakoor, V Mohammad-Nejad  
Asian Journal of Sports Medicine 1 (2), 108

**Studying wind chill index as a climatic index effective on the health of athletes and tourists interested in winter sports**

R Gholamreza, M Gafar, S Ali, MN Vahid

**Studying wind chill index as a climatic index effe...**

G Roshan

**Studying the effects of urban sprawl of metropolis on tourism-climate index oscillation: A case study of Tehran city**

R Gholamreza, R Iman, R Mehdi  
Journal of Geography and Regional Planning 2 (12), 310-321

**Study of spatial and temporal distribution of frost and sliding in Iran's mountain roads using climatic conditions matrix (Case Study; Karaj - Chalous Road)**

B Reza, M Hossein, R Gholamreza  
Journal of Geography and Regional Planning 2 (9), 224-230

**The role and function of small towns in rural development using network analysis method case: Roniz rural district (Estahban city, province Fars, Iran)**

RR Mohammad, S Ali, RAR Saeed, R Gholamreza  
Journal of geography and regional planning 2 (9), 214-223

## THE RELATION BETWEEN CLIMATIC FACTORS AND TEHRAN'S AIR POLLUTANTS WITH THE DEATH CAUSED BY CARDIAC DISEASES

F Khoshakhlagh, GR Roshan, R Borna

Journal of Environmental Research And Development 3 (3)

## Climate Change, Katrina and National Security

H Mohammadi, GR Roshan

Scientific-Research Quarterly of Geographical Data (SEPEHR) 16 (61), 50-53

## EVALUATION OF HYDRO CLIMATOLOGY OF COMPREHENSIVE FLOODS IN GORGANROUD WATER BASIN

H MOHAMMADIE, ALI SHAKOR, AF KHOSH, GR ROSHAN

JOURNAL OF GEOGRAPHICAL SCIENCES 6 (89), 49-74

## Assessment of a Number of Cases of Drought Indexes at Three Stations of Fars Province

F Khosh Akhlagh, G Roshan

Scientific-Research Quarterly of Geographical Data (SEPEHR) 15 (57), 42-46

## The role of flood anticipation and warming systems in flood risk management

ALI SHAKOOR, G ROSHAN, M REZA

### Research Projects

Mitigation of climate change impact using green wall and green roof strategies: comparison between two different climate regions in Iran

Spatial analysis of bioclimatic patterns over Iranian cities as an important step in sustainable development

Rain and snow event cooling effect: a comparison on outdoor and indoor thermal comfort in Ardabil, northwest of Iran

Projecting spatiotemporal variations of sunshine duration with regards to climate change in Iran as a step towards clean energy

Future impact of cloudiness and wind changes on thermal comfort conditions in the city of Tabriz (Iran) in the frame of climate change

Comparison of impact of climate change on building energy-saving design for two different climates; Metropolitans of Moscow and Tehran

Evaluating the wind cooling potential on outdoor thermal comfort in selected Iranian climate types

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## **Journals Reviewer**

Energy and Buildings  
Renewable energy  
Energy and Buildings  
Entropy  
International Journal of Biometeorology  
Theoretical and Applied Climatology  
Arabian Journal of Geosciences  
Scientific Reports  
Urban climate  
Natural Hazards (springer)  
Sustainable Cities and Society  
Asian Journal of Atmospheric Environment  
Geographical Planning of Space Quarterly Journal  
Geography and Environmental Planning  
Geography and Sustainability and Environment  
Journal of Arid Regions Geographic Studies  
Journal of Climate Research  
Journal of Geography and Environmental Hazards  
Journal of Geography and Regional Development  
Journal of the Earth and Space Physics  
Journal Water and Soil Resources Conservation  
Physical Geography Research Quarterly  
Researches in Geographical Sciences

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## **Language**

- **English** (Professional working proficiency)
- **Persian** (Mother tongue)