



- Any time
- Since 2020
- Since 2019
- Since 2016
- Custom range...

- Sort by relevance
- Sort by date

- include patents
- include citations

[PDF](#) Dynamics of urban growth in Semarang Metropolitan-Central Java: An examination based on built-up area and population change

[W Handayani](#), [I Rudiarto](#) - Journal of Geography and Geology, 2014 - [researchgate.net](#)

Abstract Representation of rapid urban growth followed by high rate of land conversion is clearly observed in the case of Semarang Metropolitan. Located in Java Island, this capital city has been performing as the largest urban area in the Central Java Province. This paper aims to examine urban growth pattern in Semarang Metropolitan by applying two main indicators, ie, (1) additional built-up area 1972-2009 indicated as land conversion, and (2) population change between 1991-2008. Accordingly, distance is regard as an important ...

[☆](#) [📄](#) [Cited by 17](#) [Related articles](#) [All 4 versions](#) [🔗](#)

Showing the best result for this search. [See all results](#)

[PDF](#) [researchgate.net](#)



ISSN 1916-9779 (Print)  
ISSN 1916-9787 (Online)

# Journal of Geography and Geology

Vol. X, No. X Month Year

Canadian Center of Science and Education®

## Associate Editors

**Hwee-San Lim** Universiti Sains Malaysia, *Malaysia*

**Prajukti Bhattacharyya** University of Wisconsin-Whitewater, *United States of America*

**Rituparna Bose** City University of New York, *United States of America*

**Tara Lea Root** Florida Atlantic University, *United States of America*

## Editorial Assistant

**Lesley Luo** Canadian Center of Science and Education, *Canada*

## Reviewers

**A. H. M. Selim Reza** University of Rajshahi, *Bangladesh*

**Abdulzahra A Alhello** University of Basrah, *Iraq*

**Abiodun Daniel Olabode** Adekunle Ajasin University, *Nigeria*

**Amit K. Verma** Indian Institute of Technology Bombay, *India*

**Amna Ahmed Hamid EITom** National Center for Research, *Sudan*

**Ana Claudia Ramos Sacramento** Universidade do Estado do Rio de Janeiro, *Brazil*

**Ana Fociro** Polytechnic University of Tirana, *Albania*

**Antigoni Panagiotopoulou** University of Patras, *Greece*

**Bahareh Shoghli** University Of North Dakota, *United States of America*

**Bhag Chand Chauhan** Central University of Himachal Pradesh Dharamshala, *India*

**Chee-Ming Chan** Universiti Tun Hussein Onn Malaysia, *Malaysia*

**Cristiano Pesaresi** Sapienza University of Rome, *Italy*

**Devi Taelman** Ghent University, *Belgium*

**Dhananjai Verma** Geological Survey of India, *India*

**Elangovan Krishnan** PSG College of Technology, *India*

**Eliane Guedes** Universidade Federal do Rio de Janeiro, *Brazil*

**Eric Anderson Moore** Boston University, *United States of America*

**Esam O. Abdulsamad** Benghazi University, *Libyan Arab Jamahiriya*

**Fehmi Arikani** General Directorate of Mineral Research and Exploration, *Turkey*

**Fombe Lawrence Fon** University of Buea Cameroon, *Cameroon*

**Francesco Visconti** Politecnico di Torino, *Italy*

**Francisco Salguero** University of Huelva, *Spain*

**Gilbert Ahamer** Austrian Academy of Sciences, *Austria*

**Goffredo Manzo** Italian Geographic Military Institute, *Italy*

**Haishan Luo** The University of Texas at Austin, *United States of America*

**Heejun Suk** Korea Institute of Geoscience and Mineral Resources, *Republic of Korea*

**Humphrey Ngala Ndi** University of Buea, *Cameroon*

**Ioannis Oikonomopoulos** Core Laboratories LP, *United States of America*

**Jie Dou** The University of Tokyo, *Japan*

**João Cláudio Cerqueira Viana** Federal University of Bahia, *Brazil*

**Jorge Sanjurjo-Sánchez** University Institute of Geology Isidro Parga Pondal, *Spain*

**José Augusto Alves Teixeira** University of Aveiro, *Portugal*

**Kaka Shahedi** Sari Agricultural and Natural Resources University, *Iran*

**Kamal Haji Karim** University of Sulaimani, *Iraq*

**Kamel Khanchoul** University of Annaba, *Algeria*

**Kamyar Hasanzadeh** Aalto University, *Finland*

**Kaveh Ostad-Ali Askari** Islamic Azad University, *Iran*

**Keith Gray** Wichita State University, *United States of America*

**Khalid Fathi Ubeid** Al-Azhar University-Gaza, *Palestinian territories*

**Kuo ZHANG** China Center for Information Industry Development, *China*

**Laura Maria Soares** Oporto University, *Portugal*

**Lei Guo** Petroleum Geo-Services, *United States of America*

**Liu Xinjie** Peking University, *China*

**Majid Ghasemi Siani** Kharazmi University, *Iran*

**Marcelo de Oliveira Latuf** Federal University of Bahia, *Brazil*

**Maria Dolores Pitarch Garrido** University of Valencia, *Spain*

**Martin D Mitchell** Minnesota State University, *United States of America*

**Meghan Burchell** Memorial University of Newfoundland, *Canada*

**Mehdi Mirzababaei** Central Queensland University, *Australia*

**Mohammad Valipour** Payame Noor University, *Iran*

**Mohd Ekhwan Toriman** Universiti Kebangsaan Malaysia, *Malaysia*

**Moussa Harouna** Abdou Moumouni University, *Niger*

**Mukesh Singh Boori** Palacky University Olomouc, *Czech Republic*

**Murat Emre Kartal** Bülent Ecevit University, *Turkey*

**Nadia Tahernia** Parand Branch Islamic Azad University, *Iran*

**Nazan Yalcin Erik** Cumhuriyet University, *Turkey*

**Nwaerema Peace** University of Port Harcourt, *Nigeria*

**Pedram Masoudi** Institut de Radioprotection et de Sûreté Nucléaire, *France*

**Peng Pei** University of North Dakota, *United States of America*

**Prabin Kayastha** Vrije Universiteit Brussel, *Belgium*

**Rafael Mendez-Tejeda** University of Puerto Rico at Carolina, *Puerto Rico*

**Rex Alan Hanger** University of Wisconsin-Whitewater, *United States of America*

**Saeid Gharechelou** Shahrood University of Technology, *Japan*

**Samuele Segoni** University of Firenze, *Italy*

**Senapathi Venkatramanan** Pukyong National University, *Republic of Korea*

**Shrinidhi Ambinakudige** Mississippi State University, *United States of America*

**Sixto Romero Sánchez** University of Huelva, *Spain*

**Subhasish Das** Indian Institute of Technology, *India*

**Sunandana Reddy Machireddy** RGM College of Engineering & Technology, *India*

**Sunday Shende Kometa** University of Buea, *Cameroon*

**Sutapa Bose** Iiser Kolkata, *India*

**Suzan El-Gharabawy** National Institute of Oceanography and Fisheries, *Egypt*

**Telmo M. Bento dos Santos** Laboratório Nacional de Energia e Geologia, *Portugal*

**Terence Epule Epule** University of Montreal, *Canada*

**Ting Wang** Lehigh University, *United States of America*

**Tom Shoberg** United States Geological Survey, *United States of America*

**Tudor Salagean** University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, *Romania*

**Vahed Ghiasi** University of Malayer, *Iran*

**Vinay Kumar** Texas A & M University, *United States of America*

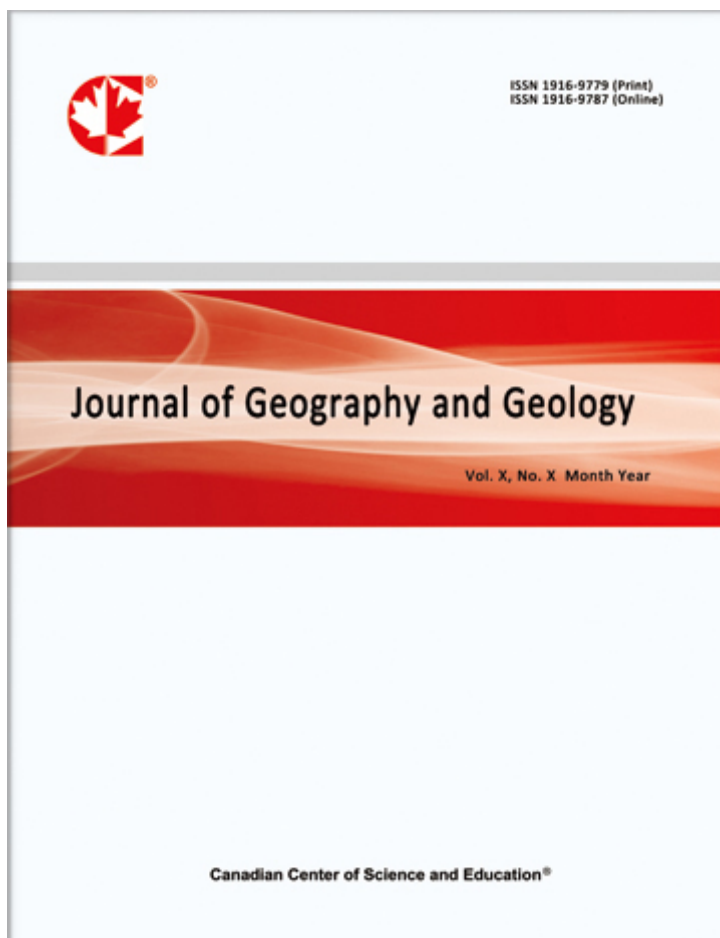
**Vladimir Silantiev** Kazan (Volga Region) Federal University, *Russian Federation*

**Xiaoqing Song** Guangzhou University, *China*

**Yiqing Guo** Beihang University, *China*

**Zheming Zhang** Washington University in St Louis, *United States of America*

**Zhongfan Zhu** Beijing Normal University, *China*



(/journal/index.php/jgg)

**ISSN(Print):** 1916-9779  
**ISSN(Online):** 1916-9787  
**Started:** 2009  
**Frequency:** Quarterly

## Journal Metrics

(The data was calculated based on **Google Scholar Citations**  
(<https://scholar.google.com/citations?hl=en&user=R111BuQAAAAJ%20https://scholar.google.com/citations?hl=en&user=R111BuQAAAAJ%20>))

Google-based Impact Factor (2018): 11.90

h-index (January 2018): 17

i10-index (January 2018): 36

h5-index (January 2018): 13

h5-median(January 2018): 15

## Index

---

BASE (Bielefeld Academic Search Engine) (<https://www.base-search.net/>)

Bibliography and Index of Geology (<https://catalogue.nla.gov.au>)

CiteFactor (<http://www.citefactor.org>)

Educational Research Abstracts (<https://librarianresources.taylorandfrancis.com>)

GeoRef (<https://www.americangeosciences.org>)

Google Scholar (<https://scholar.google.com>)

LOCKSS (<https://www.lockss.org>)

NewJour (<http://crl.du.ac.in/Publication/E-Resources%20in%20Public%20Domain-Final/E-Journals/NewJour.htm>)

Norwegian Centre for Research Data (NSD) (<https://dbh.nsd.uib.no/publiseringskanaler/Forside>)

Open J-Gate (<https://jgateplus.com>)

PKP Open Archives Harvester (<https://pkp.sfu.ca>)

SHERPA/RoMEO (<http://www.sherpa.ac.uk>)

Standard Periodical Directory (<http://www.oxbridge.com/>)


Ulrich's (<http://ulrichsweb.serialssolutions.com>)

Universe Digital Library (<http://www.udlpro.com/>)

WorldCat (<http://www.worldcat.org>)

## Contact

---

 Lesley Luo Editorial Assistant

 [jgg@ccsenet.org](mailto:jgg@ccsenet.org) (<mailto:jgg@ccsenet.org>)

 [Journal Home \(/journal/index.php/jgg\)](/journal/index.php/jgg)

 [About \(/journal/index.php/jgg/about\)](/journal/index.php/jgg/about)

 [Archives \(/journal/index.php/jgg/issue/archives\)](/journal/index.php/jgg/issue/archives)

 [Announcements \(/journal/index.php/jgg/announcements\)](/journal/index.php/jgg/announcements)

 [Editorial Team \(/journal/index.php/jgg/editor\)](/journal/index.php/jgg/editor)

 [Submission \(/journal/index.php/jgg/submission\)](/journal/index.php/jgg/submission)

 [Order Hard Copies \(/journal/index.php/jgg/store/hardCopies\)](/journal/index.php/jgg/store/hardCopies)

## Vol. 6, No. 4 (2014), Journal of Geography and Geology

Landslide Potential in Santo Domingo De Heredia, Costa Rica, Central America  
(<http://www.ccsenet.org/journal/index.php/jgg/article/view/41393>)

 Jonnathan Reyes-Chaves    Mario Fernández-Arce

p1  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/41393/22683>)


Theory and Applications of Numerical Simulation of Permeation Fluid Mechanics of the Polymer-Black Oil (<http://www.ccsenet.org/journal/index.php/jgg/article/view/38453>)

 Yirang Yuan    Aijie Cheng    Danping Yang    Changfeng Li

p12  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/38453/22756>)


The Effect of Concrete Mix Composition on the Character of Fractures of Set Concrete  
(<http://www.ccsenet.org/journal/index.php/jgg/article/view/41524>)

 Janusz Konkol    Grzegorz Prokopski

p29  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/41524/22754>)

Geomorphological Variables that Determine the Magnitude of Stream Floods in Wadi Al-Hasa - South Jordan (<http://www.ccsenet.org/journal/index.php/jgg/article/view/41525>)

 Ali Hamdi Abu- Salim

p42  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/41525/22755>)

Production Analysis of Multi-Stage Hydraulically Fractured Horizontal Wells in Tight Gas Reservoirs (<http://www.ccsenet.org/journal/index.php/jgg/article/view/39976>)

 Fei Wang    Shicheng Zhang

p58  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/39976/22753>)

Natural Vulnerability Assessment to Contamination of Unconfined Aquifers by Longitudinal Conductance – (S) Method (<http://www.ccsenet.org/journal/index.php/jgg/article/view/38652>)

 Antonio Celso de Braga    Richard Francisco

p68  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/38652/23021>)

Dynamics of Urban Growth in Semarang Metropolitan – Central Java: An Examination Based on Built-Up Area and Population Change  
(<http://www.ccsenet.org/journal/index.php/jgg/article/view/39642>)

 Wiwandari Handayani    Iwan Rudiarto


p80  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/39642/23020>)

Chemostratigraphic Characterization of Siliciclastic Rocks in Parts of the Eastern Dahomey Basin, Southwestern Nigeria (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42340>)

 Ikhane P. R.    Akintola A. I.    Bankole S. I.    Ajibade O. M.    Edward O. O.



p88  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42340/23144>)


The Role of Shelterbelts in Vegetation Development of Desert Prone Area of Yobe State, Nigeria (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42341>)

 Adesina, F. A.  Gadiga, B. L.

p109  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42341/23145>)

Challenges of Water Crisis on Women's Socio-Economic Activities in the Buea Municipality, Cameroon (<http://www.ccsenet.org/journal/index.php/jgg/article/view/39557>)

 Lotsmart Fonjong  Martha Ngekwi






p122  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/39557/23146>)

A Comparative Study of Suburbanization in United States and China (<http://www.ccsenet.org/journal/index.php/jgg/article/view/41183>)

 SAINAN LIN


p132  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/41183/23252>)

Evaluation of Resistivity Anisotropy of Parts of Ijebu Igbo, Southwestern, Nigeria Using Azimuthal Resistivity Survey (ARS) Method (<http://www.ccsenet.org/journal/index.php/jgg/article/view/41102>)

 Bayewu Olateju O.  Oloruntola Moroofo O.  Mosuro Ganiyu O.  Folorunso Ismail O.  
 Kolawole Ajibola. U.

p140  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/41102/23268>)

Geospatial Application in Mapping Gully Development for Effective Remediation and Control (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42568>)

 Charles Udosen  Roberto Olabanjo  Abasi-Ifreke S. Etok

p153  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42568/23269>)

Benthic Macroalgal Blooms as Indicators of Nutrient Loading from Aquifer-Injected Sewage Effluent in Environmentally Sensitive Near-Shore Waters Associated with the South Florida Keys (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42529>)

 Sydney T. Bacchus  Sergio Bernardes  Thomas Jordan  Marguerite Madden

p164  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42529/23272>)

Determine Sinkholes and Overburden Thicknesses in Selected Covered Carbonate Karst Terrains (Kinta Valley), Perak, Malaysia by Combining Wenner E.R. Tomography, Geological and Satellite Images Techniques (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42765>)

 Riyadh Yassin  Ros Muhammad  Samsudin Taib

p199  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42765/23452>)


Effects of Peri-Urban Land Use Changes on Forest Ecosystem Services: The Case of Settlements Surrounding Pugu and Kazimzumbwi Forest Reserves in Tanzania (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42774>)

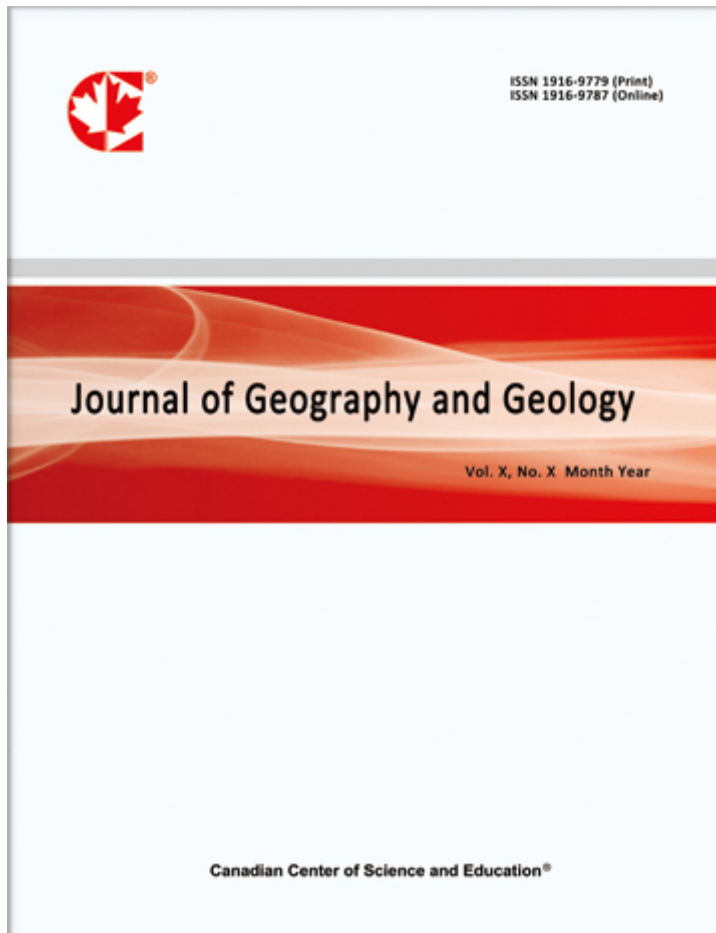
 John Lupala  Makarius Mdemu  Stanslaus Butungo

p231  PDF (<http://www.ccsenet.org/journal/index.php/jgg/article/download/42774/23456>)

Reviewer Acknowledgements for Journal of Geography and Geology, Vol. 6, No. 4 (<http://www.ccsenet.org/journal/index.php/jgg/article/view/42766>)



 This work is licensed under a Creative Commons Attribution 4.0 License (<https://creativecommons.org/licenses/by/4.0>).



([journal/index.php/jgg](http://journal/index.php/jgg))

**ISSN(Print):** 1916-9779  
**ISSN(Online):** 1916-9787  
**Started:** 2009  
**Frequency:** Quarterly

## Journal Metrics

(The data was calculated based on **Google Scholar Citations** (<https://scholar.google.com/citations?hl=en&user=R111BuQAAAAJ%20https://scholar.google.com/citations?hl=en&user=R111BuQAAAAJ%20>))

Google-based Impact Factor (2018): 11.90

h-index (January 2018): 17

i10-index (January 2018): 36

h5-index (January 2018): 13

## Index

---

BASE (Bielefeld Academic Search Engine) (<https://www.base-search.net/>)

Bibliography and Index of Geology (<https://catalogue.nla.gov.au>)

CiteFactor (<http://www.citefactor.org>)

Educational Research Abstracts (<https://librarianresources.taylorandfrancis.com>)

GeoRef (<https://www.americangeosciences.org>)

Google Scholar (<https://scholar.google.com>)

LOCKSS (<https://www.lockss.org>)

NewJour (<http://crl.du.ac.in/Publication/E-Resources%20in%20Public%20Domain-Final/E-Journals/NewJour.htm>)

Norwegian Centre for Research Data (NSD) (<https://dbh.nsd.uib.no/publiseringskanaler/Forside>)

Open J-Gate (<https://jgateplus.com>)

PKP Open Archives Harvester (<https://pkp.sfu.ca>)

SHERPA/RoMEO (<http://www.sherpa.ac.uk>)

Standard Periodical Directory (<http://www.oxbridge.com/>)



Ulrich's (<http://ulrichsweb.serialssolutions.com>)


Universe Digital Library (<http://www.udlpro.com/>)

WorldCat (<http://www.worldcat.org>)

## Contact

---

 Lesley Luo Editorial Assistant  
 [jgg@ccsenet.org](mailto:jgg@ccsenet.org) (<mailto:jgg@ccsenet.org>)

 [Journal Home \(/journal/index.php/jgg\)](/journal/index.php/jgg)

 [About \(/journal/index.php/jgg/about\)](/journal/index.php/jgg/about)

 [Archives \(/journal/index.php/jgg/issue/archives\)](/journal/index.php/jgg/issue/archives)

 [Announcements \(/journal/index.php/jgg/announcements\)](/journal/index.php/jgg/announcements)

 [Editorial Team \(/journal/index.php/jgg/editor\)](/journal/index.php/jgg/editor)

 [Submission \(/journal/index.php/jgg/submission\)](/journal/index.php/jgg/submission)

 [Order Hard Copies \(/journal/index.php/jgg/store/hardCopies\)](/journal/index.php/jgg/store/hardCopies)

 [Search \(/journal/index.php/jgg/search\)](/journal/index.php/jgg/search)

Geomorphological Variables that Determine the Magnitude of Stream Floods in Wadi Al-Hasa - South Jordan

 Ali Hamdi Abu- Salim

p42  PDF

Production Analysis of Multi-Stage Hydraulically Fractured Horizontal Wells in Tight Gas Reservoirs

 Fei Wang  Shicheng Zhang

p58  PDF

Natural Vulnerability Assessment to Contamination of Unconfined Aquifers by Longitudinal Conductance – (S) Method

 Antonio Celso de Braga  Richard Francisco

p68  PDF

Dynamics of Urban Growth in Semarang Metropolitan – Central Java: An Examination Based on Built-Up Area and Population Change

 Wiwandari Handayani  Iwan Rudianto

p80  PDF

Chemostratigraphic Characterization of Siliciclastic Rocks in Parts of the Eastern Dahomey Basin, Southwestern Nigeria

 Ikhane P. R.  Akintola A. I.  Bankole S. I.  Ajibade O. M.  Edward O. O.

p88  PDF

ISSN(Print): 1916-9779

ISSN(Online): 1916-9787

Started: 2009

Frequency: Quarterly

### Journal Metrics

(The data was calculated based on [Google Scholar Citations](#))

Google-based Impact Factor (2018): 11.90

h-index (January 2018): 17

i10-index (January 2018): 36

h5-index (January 2018): 13

h5-median(January 2018): 15

### Index

[BASE \(Bielefeld Academic Search Engine\)](#)

[Bibliography and Index of Geology](#)

[CiteFactor](#)

[Educational Research Abstracts](#)