



## **Report**

# **KISR Open Access Publications (2010-2020)**

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## **Introduction:**

Open Access (OA) plays a crucial role in research and development. It allows scientists and researchers to publish the outputs of their research activities in various Open Access venues free of charge to promote accessibility, usability, and productivity among the scientific community.

Publishing in Open Access journals is considered the latest paradigm in scholarly communication. It helps scientists and researchers in publishing their research result and outputs and making them accessible to users to read, download, copy, distribute, print, search and/or link to full-text journal articles without paying fees while, at the same time, preserve the authors' copyrights.

Kuwait Institute for Scientific Research (KISR) is in the process of developing and mandating its own Open Access Policy to encourage and support KISR's researchers in publishing their research results and outputs in Open Access journals.

The aim of this study was to investigate KISR's publication trends in Open Access journals prior to endorsing the OA Policy. The study also aims to provide an insight on the awareness of KISR's researchers on publishing in OA journals. Scopus, a neutral database of abstracts and citations curated by subject matter experts and recognized leaders in their fields, was used to retrieve KISR's scientific articles published in OA journals during the period 2010-2020 in an attempt to evaluate their impacts on the scientific community through tracking their citations.

In addition, the study identified articles with the highest citations in each year within the said period, and used them as an example to determine the funding source(s) and the quality of the journals in which they were published. The study was concluded by a quick search of KISR's authors to identify the top ten researchers with active publications in OA journals during the above-mentioned period.

## **Objectives:**

The main purpose of this study was to investigate KISR's publication trends in Open Access journals. The specific objectives of the study were as follows:

- 1- To determine the total number of articles published by KISR's researchers in OA journals during the period 2010-2020, indicating the awareness of KISR's researchers of the concept, importance and advantages of Open Access publication.
- 2- To determine the impacts of KISR's OA Access publications on the scientific community through identifying the frequency of citations of KISR's articles during the said period since citation impacts is considered to be one of the main bibliometric tools in the determination of the quality of scientific articles as it enumerates the frequency of citations and referencing.
- 3- To identify the funding source(s) of KISR's OA publications since such publications require funds that are usually covered by the corresponding institutions, funding organizations and/or authors.
- 4- To determine the quality of OA journals in which KISR's researchers publish their scientific papers using the Journal Citation Report (JCR). JCR is a journal-ranking tool usually used to identify the Journal Impact Factor (JIF) and quartiles which are used to measure and evaluate the quality of scientific publications and identify the journal(s) publisher(s).

## **Methodology:**

Scopus® Database was used in this study as an information source to retrieve articles published by KISR's researchers in Open Access journals. Scopus is the world's largest abstract and citation database of peer-reviewed literature produced by Elsevier to which NSTIC is currently subscribed. The study also used Journal Citation Report (JCR) which is an authoritative resource for the impact factor data produced by Clarivate to determine the Journal Impact Factor (JIF) and quartiles of articles published by KISR's researchers in OA journals. The Journal Impact Factor (JIF) is a scientometric index calculated and indexed by Clarivate's Web of Science, indicating the yearly mean number of citations of published articles in a given journal during the past two years. A quartile is the ranking of a journal in the subject area based on the impact factor. Quartiles are grouped in four categories, namely Q1, Q2, Q3 and Q4. Q1 is occupied by the top 25% of journals in the list; Q2 is occupied by journals in the 25 to 50% group; Q3 is occupied by journals in the 50 to 75% group and Q4 is occupied by journals in the 75 to 100% group. The most prestigious journals within a subject area are those occupying the first quartile, Q1. Thus, the importance of the other journals declines as we move down the quartiles ladder.

The following steps were carried out to obtain the needed data:

### **Stage 1: Literature Search**

Literature search was conducted using Scopus database to determine KISR's affiliation field and to obtain its scientific publications. The search then narrowed by articles as one of the document types search field, and by Open Access journals field. OA journals include both Gold Open access and Hybrid journals. The literature search was also limited by publication years covering the period 2010-2020.

### **Stage 2: Data Development and Organization**

The obtained data were used to prepare the following lists:

- A list of KISR's articles published in scientific journals, including bibliographic information and citations. The OA articles were tabulated and arranged by publication year (Appendix 1).
- A list of articles published in OA with the highest citations in each year.

- A list of journal titles of the OA articles with the highest citations, impact factor, quartile and publisher using the Journal Citation Report (JCR).
- A list of the funding source(s) of OA articles with the highest citations in each year.
- A list of the top ten KISR's researchers with active publications in OA journals and their corresponding articles during the period 2010-2020.

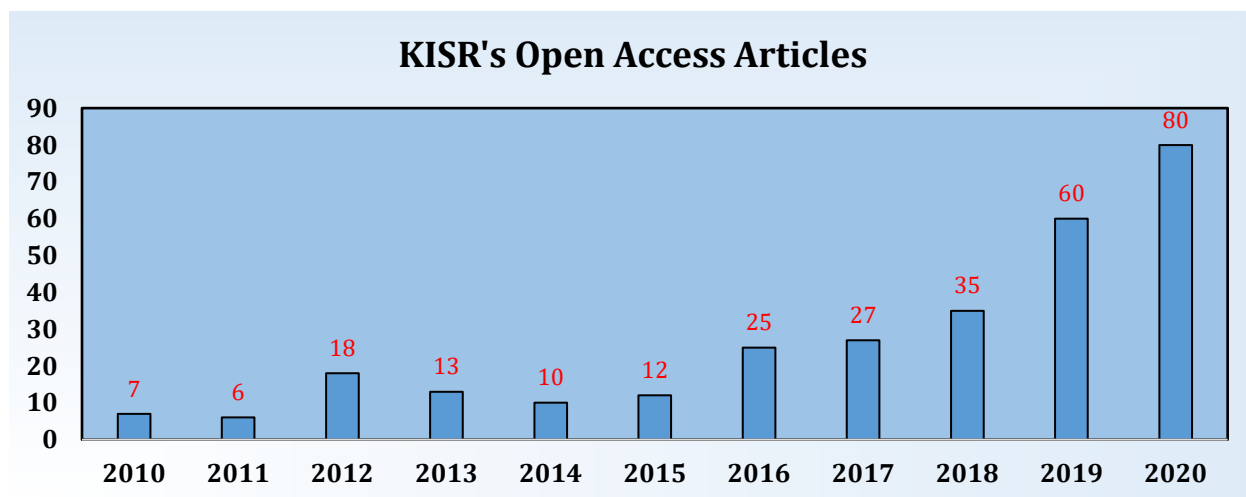
## Results & Analysis:

The obtained results indicated that the total number of articles published by KISR's researchers in OA journals during the period 2010-2020 was 293 papers (Table 1).

Year	No. of Publications
2010	7
2011	6
2012	18
2013	13
2014	10
2015	12
2016	25
2017	27
2018	35
2019	60
2020	80
<b>Total</b>	<b>293</b>

**Table 1. Total number of articles published by KISR's researchers during the period 2010-2020**

A graphical representation of the above table is shown in Fig. 1. This figure indicates the total number of articles published by KISR's researchers in OA journals. A steady increase was noticed in these publications during the period 2010-2020, starting from 7 articles in 2010 and ending with 80 articles in 2020. Such a steady increase in publications in OA journals suggest a growing awareness of KISR's researchers of the concept, importance and advantages of publishing in OA journals.

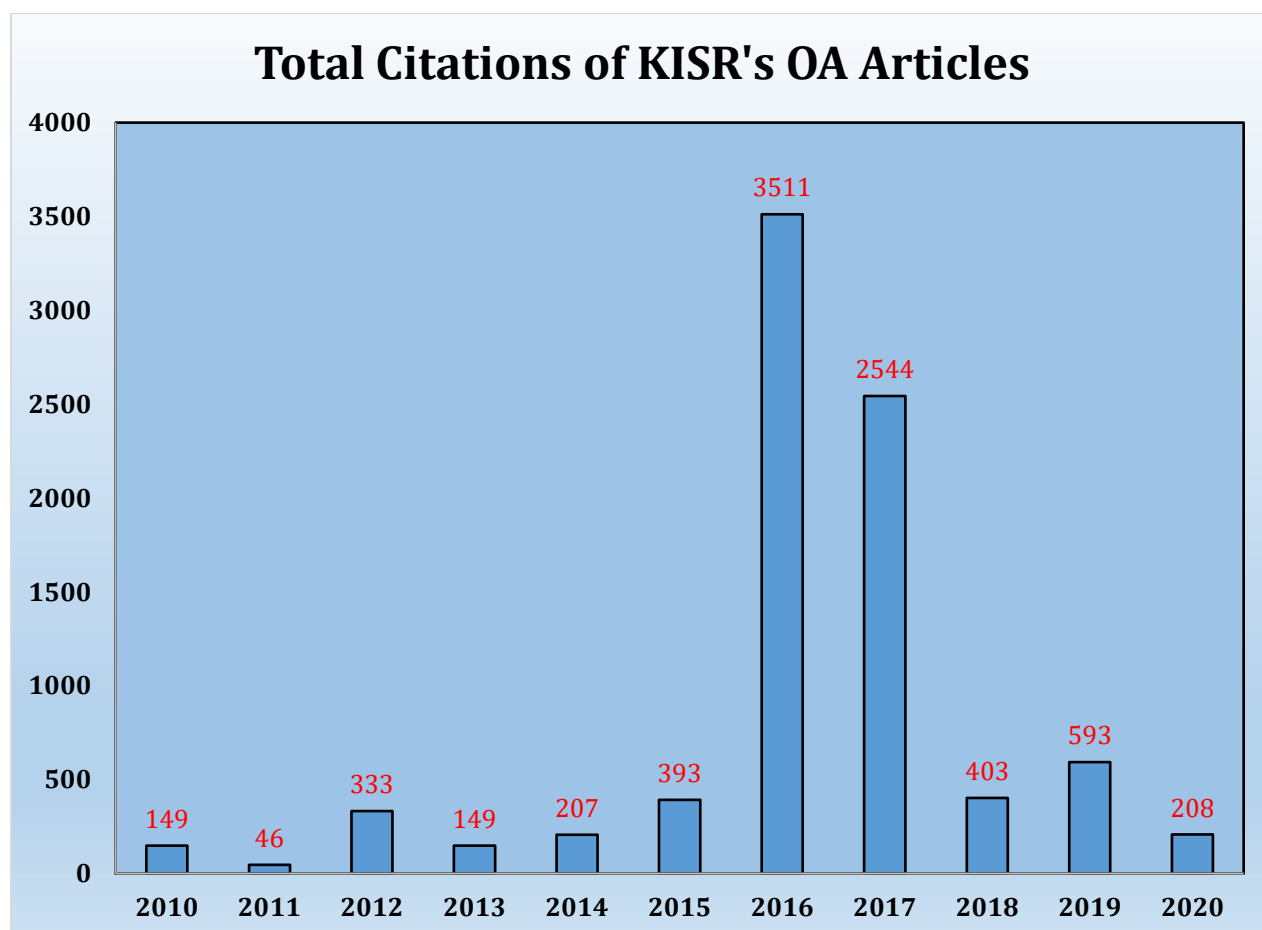


**Fig. 1. Total number of KISR's OA articles during 2010-2020**

### **Citations Impact:**

The obtained results also show that the total number of citations per year received by KISR's OA articles steadily increased irrespective of the number of published articles. The highest citations were registered in 2016 and 2017 (Fig. 2). Citations depend on the importance of the publications within a specific subject area such as Environment and Life sciences and the interest of research scientists to publish in such subjects. For example, in 2016, about 25 articles were published and these received the highest citations (3511 in number), whereas in 2017, about 27 articles were published and these received total citations of about 2544 (Fig. 2).

In addition, a list of KISR's top OA articles with the highest citations during the period 2010-2020 revealed that two articles published by KISR's researchers in the Life Sciences field received the highest citations in 2016 and 2017, registering 2239 and 2208 citations, respectively (Table 3).



**Fig. 2. Total citations received by KISR's OA articles during 2010-2020**

Year	No. of Published Papers	Total Citations
2010	7	149
2011	6	46
2012	18	333
2013	13	149
2014	10	207
2015	12	393
2016	25	3511
2017	27	2544
2018	35	403
2019	60	593
2020	80	208
<b>Total</b>	<b>293</b>	<b>8,536</b>

**Table 2. Total number of citations received by KISR's OA articles during 2010-2020**



Year	Articles titles	Citations
2010	<b>Assessment of airborne bacteria and fungi in an indoor and outdoor environment</b> (2010) <i>International Journal of Environmental Science and Technology</i> , 7 (3), pp. 535-544.	Cited 80 times.
2011	<b>Hydrogeophysical Methods for Analyzing Aquifer Storage and Recovery Systems</b> (2011) <i>Ground Water</i> , 49 (2), pp. 250-269.	Cited 26 times
2012	<b>Orthorhombic carbon allotrope of compressed graphite: Ab initio calculations</b> (2012) <i>Physical Review B - Condensed Matter and Materials Physics</i> , 85 (3), art. no. 033410, . .	Cited 84 times
2013	<b>Evidence for nutrition transition in Kuwait: Over-consumption of macronutrients and obesity</b> (2013) <i>Public Health Nutrition</i> , 16 (4), pp. 596-607.	Cited 37 times.
2014	<b>Dust-induced shading on photovoltaic modules</b> (2014) <i>Progress in Photovoltaics: Research and Applications</i> , 22 (2), pp. 218-226.	Cited 124 times.
2015	<b>Global, regional, and national consumption of sugar-sweetened beverages, fruit juices, and milk: A systematic assessment of beverage intake in 187 countries</b> (2015) <i>PLoS ONE</i> , 10 (8), art. no. e0124845.	Cited 221 times
2016	<b>Trends in adult body-mass index in 200 countries from 1975 to 2014: A pooled analysis of 1698 population-based measurement studies with 19.2 million participants</b> (2016) <i>The Lancet</i> , 387 (10026), pp. 1377-1396.	Cited 2239 times.
2017	<b>Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults</b> (2017) <i>The Lancet</i> , 390 (10113), pp. 2627-2642.	Cited 2208 times.
2018	<b>Health impact assessment associated with exposure to PM10 and dust storms in Kuwait</b> (2018) <i>Atmosphere</i> , 9 (1), art. no. 6, .	Cited 51 times.
2019	<b>Rising rural body-mass index is the main driver of the global obesity epidemic in adults</b> (2019) <i>Nature</i> , 569 (7755), pp. 260-264.	Cited 161 times.
2020	<b>Experimental investigation of environmentally friendly drilling fluid additives (mandarin peels powder) to substitute the conventional chemicals used in water-based drilling fluid</b> (2020) <i>Journal of Petroleum Exploration and Production Technology</i> , 10 (2), pp. 407-417	Cited 19 times.

**Table 3. Top KISR's OA articles with the highest citations during 2010-2020**

**Journal Quality:**

The majority of KISR's researchers chose to publish their scientific articles in OA journals of well-known publishers such as Elsevier Science, Springer, Wiley and Cambridge (Table 4). The impact factor of these journals fall within Q1, Q2 and Q3 quartiles as indicated in the JCR issue of 2020 (Table 4).

Year	Journal titles	ISSN	Publisher	JCR-2020	Quartiles	Subject
2010	International Journal of Environmental Science and Technology	1735-1472	Springer	2.860	Q3	Environmental Sciences
2011	Ground Water	0017-467X	Wiley	2.671	Q2	Water Resources
2012	Physical Review B - Condensed Matter and Materials Physics	2469-9969	American Physical Society	4.036	Q2	Material Sciences
2013	Public Health Nutrition	1475-2727	Cambridge Univ Press	4.022	Q2	Nutrition & Dietetics
2014	Polymer Testing	1873-2348	Elsevier Sci Ltd	4.282	Q1	Polymer sciences
2015	PLoS ONE	1932-6203	Public Library Science	3.240	Q2	Multidisciplinary Sciences
2016	Lancet	1474-547X	Elsevier Science Inc	79.323	Q1	Medicine
2017	Lancet	1474-547X	Elsevier Science Inc	79.323	Q1	Medicine
2018	Atmosphere	2073-4433	MDPI	2.686	Q3	Meteorology & Atmospheric Sciences
2019	Nature	1476-4687	Nature Research	49.962	Q1	Multidisciplinary Sciences
2020	Journal of Petroleum Exploration and Production Technology	2190-0566	Springer Heidelberg	2.077	Q3	Petroleum sciences

**Table 4. List of KISR's articles with the highest citations in OA journals during 2010-2020**

### Funding Sources:

Scopus Database has recently introduced a search field covering the source of funding. The funding source for the top ten OA articles published by KISR's researchers as retrieved from Scopus Database search result showed that only six articles revealed the funding source, while four articles did not reveal such a source. One out of the six OA articles was published in 2018 with funds received from KISR and the Environment Public Authority (KEPA) (Table 5). The remaining five articles received funds from different sources as indicated in the same Table. The source of such funds could be the author's organization. The fund sharing reflects the collaboration between various research institutions and hence OA journals encourage research institutions to share knowledge and funds in an attempt to alleviate work duplications.

Year	Journal titles	Fund
2010	<b>Assessment of airborne bacteria and fungi in an indoor and outdoor environment</b> (2010) <i>International Journal of Environmental Science and Technology</i> , 7 (3), pp. 535-544.	Not available
20211	<b>Hydrogeophysical Methods for Analyzing Aquifer Storage and Recovery Systems</b> (2011) <i>Ground Water</i> , 49 (2), pp. 250-269.	Not available
2012	<b>Orthorhombic carbon allotrope of compressed graphite: Ab initio calculations</b> (2012) <i>Physical Review B - Condensed Matter and Materials Physics</i> , 85 (3), art. no. 033410, . .	Not available
2013	<b>Evidence for nutrition transition in Kuwait: Over-consumption of macronutrients and obesity</b> (2013) <i>Public Health Nutrition</i> , 16 (4), pp. 596-607.	Not available
2014	<b>Dust-induced shading on photovoltaic modules</b> (2014) <i>Progress in Photovoltaics: Research and Applications</i> , 22 (2), pp. 218-226.	- Engineering and Physical Sciences Research Council
2015	<b>Global, regional, and national consumption of sugar-sweetened beverages, fruit juices, and milk: A systematic assessment of beverage intake in 187 countries</b> (2015) <i>PLoS ONE</i> , 10 (8), art. no. e0124845.	- National Institutes of Health - National Heart, Lung, and Blood Institute - National Institute of Diabetes and Digestive and Kidney Diseases - Eunice Kennedy Shriver - National Institute of Child Health and Human Development

2016	<b>Trends in adult body-mass index in 200 countries from 1975 to 2014: A pooled analysis of 1698 population-based measurement studies with 19.2 million participants</b> (2016) <i>The Lancet</i> , 387 (10026), pp. 1377-1396.	<ul style="list-style-type: none"> <li>- Horizon 2020 Framework Programme Medical Research Council</li> <li>- Japan Society for the Promotion of Science</li> <li>- JJM reports funding from Medtronics Foundation, outside the submitted work. All other authors declare no competing interests.</li> </ul>
2017	<b>Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128·9 million children, adolescents, and adults</b> (2017) <i>The Lancet</i> , 390 (10113), pp. 2627-2642.	<ul style="list-style-type: none"> <li>- Prudential Medical Research Council</li> <li>- Economic and Social Research Council</li> <li>- Japan Society for the Promotion of Science ME reports a charitable grant from the AstraZeneca Young Health Programme, and personal fees from Prudential, Scor, and Third Bridge, outside the submitted work. All other authors declare no competing interests.</li> </ul>
2018	<b>Health impact assessment associated with exposure to PM10 and dust storms in Kuwait</b> (2018) <i>Atmosphere</i> , 9 (1), art. no. 6, .	<ul style="list-style-type: none"> <li>- Kuwait Institute for Scientific Research</li> <li>- The research study was initially triggered by the Kuwait Ministry of Health to assess the health impact of Ali Sabah Al-Salem area in Kuwait; the study started in the year 2000 and was completed in the year 2005. A recent project (2017) has been carried out at the Kuwait Institute for Scientific Research (KISR) and was funded by the Kuwait Environment Public Authority (KEPA) (KISR no. EC109K), through a task entitled "risk assessment study for dust storms"</li> </ul>

2019	<b>Rising rural body-mass index is the main driver of the global obesity epidemic in adults</b> (2019) <i>Nature</i> , 569 (7755), pp. 260-264.	<ul style="list-style-type: none"> <li>- Prudential</li> <li>- Wellcome Trust</li> <li>- Medical Research Council</li> <li>Royal Society</li> <li>- Academy of Medical Sciences</li> <li>Japan Society for the Promotion of Science</li> </ul>
2020	<b>Experimental investigation of environmentally friendly drilling fluid additives (mandarin peels powder) to substitute the conventional chemicals used in water-based drilling fluid</b> (2020) <i>Journal of Petroleum Exploration and Production Technology</i> , 10 (2), pp. 407-417	Not available

**Table 5. Funding source(s) of KISR's top OA articles with the highest citations during 2010-2020**

### KISR's Authors:

In this study, an attempt was made to identify the top ten researchers with publications in OA journals by calculating the total number of their articles during the period 2010-2020. The obtained results showed that Sultan Al-Salem was the most active KISR author with 23-articles, followed by El-Eskandarany with 14 articles and Naser by 11 articles. The rest of KISR's authors published between 5-8 articles. These figures indicate that KISR's researchers are aware of the concept, importance and advantages of publishing in OA journals.

No	Author	Article Published
1.	Al-Salem, Sultan M.	23
2.	El-Eskandarany, M.S.	14
3.	Ali, Naser	11
4.	Alhalaili, Badriyah	8
5.	Al-Ajmi, Fahad	7
6.	Al-Hemoud, Ali M	7
7.	Alkhamis, Mohammad A.	7
8.	Banyan, Mohammad	7
9.	Ahmed, Jasim	5
10.	Al-Khalaifah, H.	5

**Table 6. Top ten KISR's authors and corresponding publications in OA journals during 2010-2020**

### Conclusions:

The main conclusions of the study can be summarized in the following:

1. KISR's researchers are fully aware of the concept, importance and advantages of publishing their research articles in OA journals.

2. During the period 2010-2020, the majority of KISR's researchers chose to publish their scientific articles in OA journals of well-known publishers such as Elsevier Science, Springer, Wiley and Cambridge with impact factors falling within Q1, Q2 and Q3 quartiles.
3. The total number of articles published by KISR's researchers in OA journals during the period 2010-2020 was 293 papers.
4. A steady increase was noticed in KISR's publications in OA journals during the period 2010-2020, starting from 7 articles in 2010 and ending with 80 articles in 2020.
5. The total number of citations per year received by KISR's OA articles steadily increased irrespective of the number of published articles with the highest citations registered in 2016 and 2017, respectively.
6. The highest citations of 3511 and 2544 were respectively received in 2016 and 2017 for 25 and 27 articles published by KISR's researchers in OA journals.
7. Two articles published by KISR's researchers in the Life Sciences field received the highest citations in 2016 and 2017, registering 2239 and 2208 citations, respectively.
8. The funding source of the top ten OA articles published by KISR's researchers as retrieved from Scopus Database search result showed that only six articles revealed the funding source, while four articles did not reveal such a source. One out of the six OA articles was published in 2018 with funds received from KISR and the Environment Public Authority (KEPA). The remaining five articles received funds from different sources.
9. An investigation of the top ten KISR's researchers with publications in OA journals during the period 2010-2020 revealed that Sultan Al-Salem. was the most active KISR author with 23-articles, followed by El-Eskandarany with 14 articles and Naser by 11 articles. The rest of KISR's authors published between 5-8 articles.

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- Scopus Quick Reference Guide (PDF) - Elsevier  
[https://www.elsevier.com/\\_data/assets/pdf\\_file/0005/79196/scopus-quick-reference-guide.pdf](https://www.elsevier.com/_data/assets/pdf_file/0005/79196/scopus-quick-reference-guide.pdf)
- Journal Citation Reports  
<https://jcr.clarivate.com/jcr/home?app=jcr&referrer=target%3Dhttps:%2F%2Fjcr.clarivate.com%2Fjcr%2Fhome&Init=Yes&authCode=null&SrcApp=IC2LS>

## Appendix-1

No.	Article Titles- Published 2010	Citation
1.	<b>Oil refineries emissions impact on urban localities using AERMOD</b> (2010) <i>American Journal of Environmental Sciences</i> , 6 (6), pp. 505-515.	3
2.	<b>A remote sensing classification for land-cover changes and micro-climate in Kuwait</b> (2010) <i>International Journal of Sustainable Development and Planning</i> , 5 (4), pp. 367-377.	8
3.	<b>Germination ecology of <i>Rhanterium epapposum</i> Oliv</b> (2010) <i>American Journal of Applied Sciences</i> , 7 (10), pp. 1321-1326.	2
4.	<b>Parameterization of the duration of infection stages of serotype O foot-and-mouth disease virus: An analytical review and meta-analysis with application to simulation models</b> (2010) <i>Veterinary Research</i> , 41 (4),	51
5.	<b>Identification and characterization of <i>Streptococcus agalactiae</i> isolates using 16s rRNA sequencing and Cellular Fatty Acid composition analysis</b> (2010) <i>Pakistan Journal of Biological Sciences</i> , 13 (1), pp. 9-15.	4
6.	<b>Mathematical model for waste reduction in aluminum fabrication industry in Kuwait</b> (2010) <i>Journal of Mathematics and Statistics</i> , 6 (2), pp. 110-115.	1
7.	<b>Assessment of airborne bacteria and fungi in an indoor and outdoor environment</b> (2010) <i>International Journal of Environmental Science and Technology</i> , 7 (3), pp. 535-544.	80
<b>Total Citations</b>		<b>149</b>



No.	Article Titles- Published Year 2011	Citation
1.	<b>Effect of adding flaxseed in the diet of laying hens on both production of omega-3 enriched eggs and on production performance</b> (2011) <i>International Journal of Poultry Science</i> , 10 (10), pp. 825-831.	7
2.	<b>Optimizing empty containers distribution among ports</b> (2011) <i>Journal of Mathematics and Statistics</i> , 7 (3), pp. 216-221.	1
3.	<b>Selected seed pretreatments on germination of Kuwait's native perennial plant species</b> (2011) <i>International Journal of Botany</i> , 7 (1), pp. 108-112.	4
4.	<b>Germination studies in <i>Ochradenus baccatus</i> Delile., <i>Peganum harmala</i> L. and <i>Gynandrisis sisyrinchium</i> Parl.</b> (2011) <i>Research Journal of Seed Science</i> , 4 (1), pp. 58-63.	8
5.	<b>Hydrogeophysical Methods for Analyzing Aquifer Storage and Recovery Systems</b> (2011) <i>Ground Water</i> , 49 (2), pp. 250-269.	26
6.	<b>A step towards water conservation in the state of Kuwait</b> (2011) <i>WIT Transactions on Ecology and the Environment</i> , 153, pp. 119-125.	NONE
<b>Total Citations</b>		<b>46</b>

No.	Article Titles Published – Year 2012	Citation
1.	<b>Performance of grid-connected photovoltaic system in two sites in kuwait</b> (2012) <i>International Journal of Photoenergy</i> , 2012, art. no. 178175, .	17
2.	<b>Merging nano-genotoxicology with eco-genotoxicology: An integrated approach to determine interactive genotoxic and sub-lethal toxic effects of C 60 fullerenes and fluoranthene in marine mussels, Mytilus sp.</b> (2012) <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 745 (1-2), pp. 92-103.	79
3.	<b>High prevalence of metabolic syndrome among Kuwaiti adults-a wake-up call for public health intervention</b> (2012) <i>International Journal of Environmental Research and Public Health</i> , 9 (5), pp. 1984-1996.	35
4.	<b>Usage of environmental isotopes in characterizing groundwater recharge sources</b> (2012) <i>WIT Transactions on Ecology and the Environment</i> , 164, pp. 223-228.	3
5.	<b>Orthorhombic carbon allotrope of compressed graphite: Ab initio calculations</b> (2012) <i>Physical Review B - Condensed Matter and Materials Physics</i> , 85 (3), art. no. 033410, ..	84
6.	<b>Invasive records of eriocheir hepuensis dai, 1991 (Crustacea: Brachyura: Grapsoidea: Varunidae): Implications and taxonomic considerations</b> (2012) <i>BioInvasions Records</i> , 1 (1), pp. 71-86.	22
7.	<b>Production performance of different broiler breeds under different housing systems</b> (2012) <i>International Journal of Poultry Science</i> , 11 (3), pp. 190-195.	9
8.	<b>Monitoring program for cement grouting of underground Karst cavities</b> (2012) <i>International Journal of GEOMATE</i> , 3 (2), pp. 392-396.	NONE
9.	<b>Detection of genetically modified DNA in fresh and processed foods sold in Kuwait.</b> (2012) <i>GM crops &amp; food</i> , 3 (4), pp. 283-288.	3

10.	<b>Effect of different protein levels on Arabi chicken performance</b> (2012) <i>International Journal of Poultry Science</i> , 11 (11), pp. 706-709. .	2
11.	<b>Performance evaluation and modeling of the activated sludge system used in Riqqa, Kuwait</b> (2012) <i>WIT Transactions on Ecology and the Environment</i> , 164, pp. 369-380.	1
12.	<b>Usage of environmental isotopes in characterizing groundwater recharge sources</b> (2012) <i>WIT Transactions on Ecology and the Environment</i> , 164, pp. 223-228.	3
13.	<b>Utilization of waste spent hydroprocessing catalyst: Development of a process for full recovery of deposited metals and alumina support</b> (2012) <i>WIT Transactions on Ecology and the Environment</i> , 163, pp. 237-249.	5
14.	<b>Impact of effluent disposal pit on groundwater quality at Sabriya oil field</b> (2012) <i>WIT Transactions on Ecology and the Environment</i> , 164, pp. 241-248.	NONE
15.	<b>Effect of adding various organic acids during the feed withdrawal period on Salmonella reduction in broilers</b> (2012) <i>International Journal of Poultry Science</i> , 11 (7), pp. 482-487	NONE
16.	<b>Conformity of labeling into real composition of local and imported chicken burgers sold in the State of Kuwait</b> (2012) <i>International Journal of Poultry Science</i> , 11 (8), pp. 529-535.	5
17.	<b>Low adherence of Kuwaiti adults to fruit and vegetable dietary guidelines [Faible application des directives diététiques concernant les fruits et les légumes par les adultes koweïtiens]</b> (2012) <i>Eastern Mediterranean Health Journal</i> , 18 (5), pp. 461-467.	8
18.	<b>Effect of n-3 fatty acids on immune function in broiler chickens</b> (2012) <i>Poultry Science</i> , 91 (1), pp. 74-88.	57
<b>Total Citations</b>		<b>333</b>

No.	Article Titles- Published Year 2013	Citation
1.	<b>Observations on silage making of landscape Conocarpus browse residues as feed ingredient in Kuwait</b> (2013) <i>International Journal of Sustainable Development and Planning</i> , 8 (3), pp. 362-379.	NONE
2.	<b>Solvent-free determination of TPH in soil by near-infrared reflectance spectroscopy</b> (2013) <i>International Journal of Sustainable Development and Planning</i> , 8 (3), pp. 413-421.	6
3.	<b>The efficiency of public schools: the case of Kuwait</b> (2013) <i>Education Economics</i> , 21 (4), pp. 360-379.	19
4.	<b>The efficiency of public schools: the case of Kuwait</b> (2013) <i>Education Economics</i> , 21 (4), pp. 360-379.	19
5.	<b>Critical research needs for identifying future changes in Gulf coral reef ecosystems</b> (2013) <i>Marine Pollution Bulletin</i> , 72 (2), pp. 406-416	25
6.	<b>Evidence for nutrition transition in Kuwait: Over-consumption of macronutrients and obesity</b> (2013) <i>Public Health Nutrition</i> , 16 (4), pp. 596-607.	37
7.	<b>The issue of undeclared ingredients in halal and kosher food production: A focus on processing aids</b> (2013) <i>Comprehensive Reviews in Food Science and Food Safety</i> , 12 (2), pp. 228-233.	26
8.	<b>Wastewater reuse in Kuwait: Opportunities and constraints</b> (2013) <i>WIT Transactions on Ecology and the Environment</i> , 179 VOLUME 2, pp. 745-754. .	9
9.	<b>Immunomodulation of black seed in two strains of laying hens</b> (2013) <i>International Journal of Poultry Science</i> , 12 (8), pp. 451-455.	4
10.	<b>Comparative study on production efficiency of two strains of brown and white egg laying hens in Kuwait</b> (2013) <i>International Journal of Poultry Science</i> , 12 (7), pp. 383-389.	3
11.	<b>A GIS-based approach to breakdown the TeleDensity indicator and estimate the occupied fixed lines at different administrative levels: A case study in Alexandria Governorate, Egypt</b> (2013) <i>Egyptian Journal of Remote Sensing and Space Science</i> , 16 (1), pp. 23-33.	1

12.	<b>Estimation of leakage from the freshwater network in Kuwait</b> (2013) <i>WIT Transactions on Ecology and the Environment</i> , 171, pp. 129-138.	NONE
13.	<b>Development of a water code of practice for internal plumbing in Kuwait</b> (2013) <i>WIT Transactions on Ecology and the Environment</i> , 171, pp. 97-103.	NONE
<b>Total Citations</b>		<b>149</b>

No.	Article Titles Published- Year 2014	Citation
1.	<b>Helicobacter pylori infection in pregnant women in four districts of Uganda: Role of geographic location, education and water sources</b> (2014) <i>BMC Public Health</i> , 14 (1), art. no. 915, .	20
2.	<b>An approach to estimate the optimal depth of burial of crude oil pipelines for different marine conditions in Kuwait</b> (2014) <i>Journal of Engineering Research</i> , 2 (3), pp. 41-66.	NONE
3.	<b>Dust-induced shading on photovoltaic modules</b> (2014) <i>Progress in Photovoltaics: Research and Applications</i> , 22 (2), pp. 218-226.	124
4.	<b>Efficiency improvement of steam power plants in Kuwait</b> (2014) <i>WIT Transactions on Ecology and the Environment</i> , 186, pp. 173-184.	2
5.	<b>Ailadinium reticulatum gen. et sp. nov. (Dinophyceae), a New Thecate, Marine, Sand-Dwelling Dinoflagellate from the Northern Red Sea</b> (2014) <i>Journal of Phycology</i> , 50 (6), pp. 1120-1136.	10
6.	<b>Effect of herbal feed additive on the growth, Survival and immune response of green tiger prawn (penaeus semisulcatus)</b> (2014) <i>Pakistan Journal of Nutrition</i> , 13 (7), pp. 366-371.	4
7.	<b>Impacts of submarine groundwater discharge on Kuwait bay</b> (2014) <i>WIT Transactions on Ecology and the Environment</i> , 182, pp. 165-173.	1
8.	<b>The recovery of valuable metals and recycling of alumina from a waste spent hydroprocessing catalyst: Extraction with Na salts</b> (2014) <i>WIT Transactions on Ecology and the Environment</i> , 180, pp. 15-27.	NONE
9.	<b>Antibacterial and immunity enhancement properties of anaesthetic doses of thyme (<i>Thymus vulgaris</i>) oil and three other anaesthetics in <i>Sparidentax hasta</i> and <i>Acanthopagrus latus</i></b> (2014) <i>Journal of King Saud University - Science</i> , 26 (2), pp. 101-106.	7
10.	<b>Characterization of bio regenerated cellulose/sepiolite nanocomposite films prepared via ionic liquid</b> (2014) <i>Polymer Testing</i> , 33, pp. 121-130.	39
<b>Total Citations</b>		<b>207</b>

No.	Article Titles- Published Year -2015	Citation
117	<b>Investigating the effect of accelerated weathering on the mechanical and physical properties of high content plastic solid waste (PSW) blends with virgin linear low density polyethylene (LLDPE)</b> (2015) <i>Polymer Testing</i> , 46, pp. 116-121.	42
118	<b>Global, regional, and national consumption of sugar-sweetened beverages, fruit juices, and milk: A systematic assessment of beverage intake in 187 countries</b> (2015) <i>PLoS ONE</i> , 10 (8), art. no. e0124845.	221
119	<b>Prevalence and determinants of anemia and iron deficiency in Kuwait</b> (2015) <i>International Journal of Environmental Research and Public Health</i> , 12 (8), pp. 9036-9045	8
120	<b>Phylodynamics of H5N1 highly pathogenic avian influenza in Europe, 2005–2010: Potential for molecular surveillance of new outbreaks</b> (2015) <i>Viruses</i> , 7 (6), pp. 3310-3328.	16
121	<b>Oscillatory and steady shear rheology of gellan/dextran blends</b> (2015) <i>Journal of Food Science and Technology</i> , 52 (5), pp. 2902-2909.	7
122	<b>Occurrence of perchlorate in indoor dust from the United States and eleven other countries: Implications for human exposure</b> (2015) <i>Environment International</i> , 75, pp. 166-171.	29
123	<b>Contamination effects on improving the hydrogenation/dehydrogenation kinetics of binary magnesium hydride/titanium carbide systems prepared by reactive ball milling</b> (2015) <i>Materials</i> , 8 (10), pp. 6880-6892	11
124	<b>Balancing the benefits and risks of iron fortification in resource-constrained settings</b> (2015) <i>Journal of Pediatrics</i> , 167 (4), pp. S26-S30	2
125	<b>The composition of dissolved iron in the dusty surface ocean: An exploration using size-fractionated iron-binding ligands</b> (2015) <i>Marine Chemistry</i> , 173, pp. 125-135.	31

126	<b>The impact of dietary habits and metabolic risk factors on cardiovascular and diabetes mortality in countries of the Middle East and North Africa in 2010: A comparative risk assessment analysis</b> (2015) <i>BMJ Open</i> , 5 (5), art. no. e006385	62
127	<b>Application of molecular and serological methods for rapid detection of Mycoplasma gallisepticum infection (Avian mycoplasmosis)</b> (2015) <i>Pakistan Journal of Biological Sciences</i> , 18 (2), pp. 81-87	7
128	<b>Characterization and evaluation of an arbitrary primed Polymerase Chain Reaction (PCR) product for the specific detection of Brucella species</b> (2015) <i>Saudi Journal of Biological Sciences</i> , 22 (2), pp. 220-226.	5
<b>Total Citations</b>		<b>393</b>



No.	Article Titles Published Year-2016	Citation
129	<b>In-situ catalyzation approach for enhancing the hydrogenation/dehydrogenation kinetics of MgH<sub>2</sub> powders with Ni particles</b> (2016) <i>Scientific Reports</i> , 6, art. no. 37335, .	33
130	<b>Synthesis, swelling, degradation and cytocompatibility of crosslinked PLLA-PEG-PLLA networks with short PLLA blocks</b> (2016) <i>European Polymer Journal</i> , 84, pp. 448-464.	5
131	<b>Total energy expenditure in obese kuwaiti primary school children assessed by the doubly-labeled water technique</b> (2016) <i>International Journal of Environmental Research and Public Health</i> , 13 (10), art. no. 1007,	1
132	<b>Moment magnitudes of local/regional events from 1D coda calibrations in the broader middle east region</b> (2016) <i>Bulletin of the Seismological Society of America</i> , 106 (5), pp. 1926-1938.	10
133	<b>Spatial variation of starch retrogradation in Arabic flat bread during storage</b> (2016) <i>Journal of Food Engineering</i> , 187, pp. 44-52.	8
134	<b>Application of Species Distribution Modeling for Avian Influenza surveillance in the United States considering the North America Migratory Flyways</b> (2016) <i>Scientific Reports</i> , 6, art. no. 33161, .	16
135	<b>Surface resistivity/conductivity of oxide-hydroxide compounds in inhibited seawater by optical interferometry</b> (2016) <i>Journal of Saudi Chemical Society</i> , 20, pp. S541-S546.	3
136	<b>A century of trends in adult human height</b> (2016) <i>eLife</i> , 5 (2016JULY), art. no. e13410,	116
137	<b>An emended description and phylogeny of the little-known <i>Prorocentrum sipadanense</i> Mohammad-Noor, Daugbjerg &amp; Moestrup (Prorocentrales, Dinophyceae) from the Indian Ocean, Oman</b> (2016) <i>European Journal of Phycology</i> , 51 (3), pp. 270-281.	1
138	<b>Microstructure of cement paste with natural pozzolanic volcanic ash and Portland cement at different stages of curing</b> (2016) <i>Construction and Building Materials</i> , 113, pp. 423-441.	39

139	<b>Control of ammonia and urea emissions from urea manufacturing facilities of Petrochemical Industries Company (PIC), Kuwait</b> (2016) <i>Journal of the Air and Waste Management Association</i> , 66 (6), pp. 609-618.	6
140	<b>Heavy oil viscosity and density prediction at normal and elevated temperatures</b> (2016) <i>Journal of Petroleum Exploration and Production Technology</i> , 6 (2), pp. 253-263.	15
141	<b>Metallic glassy Zr70Ni20Pd10 powders for improving the hydrogenation/dehydrogenation behavior of MgH<sub>2</sub></b> (2016) <i>Scientific Reports</i> , 6, art. no. 26936, .	30
142	<b>Worldwide trends in diabetes since 1980: A pooled analysis of 751 population-based studies with 4.4 million participants</b> (2016) <i>The Lancet</i> , 387 (10027), .	755
143	<b>Trends in adult body-mass index in 200 countries from 1975 to 2014: A pooled analysis of 1698 population-based measurement studies with 19.2 million participants</b> (2016) <i>The Lancet</i> , 387 (10026), pp. 1377-1396.	2239
144	<b>Mechanisms and influencing factors</b> (2016) <i>International Journal of Environmental Research and Public Health</i> , 13 (4), art. no. 375, .	20
145	<b>Spatial and temporal epidemiology of lumpy skin disease in the Middle East, 2012-2015</b> (2016) <i>Frontiers in Veterinary Science</i> , 3 (MAR), art. no. 19,	29
146	<b>First report of Tomato yellow leaf curl virus infecting cucumber in Kuwait</b> (2016) <i>Plant Disease</i> , 100 (3), p. 656.	2
147	<b>Applications of Bayesian phylodynamic methods in a recent U.S. porcine reproductive and respiratory syndrome virus outbreak</b> (2016) <i>Frontiers in Microbiology</i> , 7 (FEB), art. no. 67, .	30
148	<b>Vitamin D deficiency is associated with high prevalence of diabetes in Kuwaiti adults: Results from a national survey</b> <b>Chronic Disease epidemiology</b> (2016) <i>BMC Public Health</i> , 16 (1), art. no. 100,.	32

149	T.A., Malarvannan, G., Minh, T.B., Moon, H.-B., Nakata, H., Sinha, R.K., Kannan, K. <b>Synthetic Phenolic Antioxidants and Their Metabolites in Indoor Dust from Homes and Microenvironments</b> (2016) <i>Environmental Science and Technology</i> , 50 (1), pp. 428-434.	48
150	<b>Effect of Die Head Temperature at Compounding Stage on the Degradation of Linear Low Density Polyethylene/Plastic Film Waste Blends after Accelerated Weathering</b> (2016) <i>International Journal of Polymer Science</i> , 2016, art. no. 5147209, .	13
151	<b>Impact of nonoptimal intakes of saturated, polyunsaturated, and trans fat on global burdens of coronary heart disease</b> (2016) <i>Journal of the American Heart Association</i> , 5 (1), art. no. e002891,	58
152	<b>Taxonomic characterization of a brackish water, bloom-forming Peridiniopsis species (Peridinales, Dinophyceae) from Iraq</b> (2016) <i>Marine Biodiversity Records</i> , 9 (1), art. no. 40, .	1
153	<b>Assessment of using 99MO and 99MTC isotopes in Kuwait medical sector</b> (2016) <i>Health Physics</i> , 110 (4), pp. 387-390.	1
<b>Total Citations</b>		<b>3511</b>

No.	Article Titles Published Year 2017	Citation
154	<b>Structural properties of high-pressure-treated chestnut flour dispersions</b> (2017) <i>International Journal of Food Properties</i> , 20, pp. S766-S778. .	6
155	<b>Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults</b> (2017) <i>The Lancet</i> , 390 (10113), pp. 2627-2642.	2208
156	<b>Blood Hematological and Biochemical Constituents, Antioxidant Enzymes, Immunity and Lymphoid Organs of Broiler Chicks Supplemented with Propolis, Bee Pollen and Mannan Oligosaccharides Continuously or Intermittently</b> (2017) <i>Poultry Science</i> , 96 (12), pp. 4182-4192.	23
157	<b>Synthetic nanocomposite MgH<sub>2</sub>/5 wt. % TiMn<sub>2</sub> powders for solid-hydrogen storage tank integrated with PEM fuel cell</b> (2017) <i>Scientific Reports</i> , 7 (1), art. no. 13296, .	18
158	<b>Waterlogging in arid agriculture areas due to improper groundwater management-An example from Kuwait</b> (2017) <i>Sustainability (Switzerland)</i> , 9 (11), art. no. 2131, .	1
159	<b>Assessment of spatial variation of ambient volatile organic compound levels at a power station in Kuwait</b> (2017) <i>Journal of the Air and Waste Management Association</i> , 67 (11), pp. 1170-1179.	8
160	<b>Green ultrasound versus conventional synthesis and characterization of specific task pyridinium ionic liquid hydrazones tethering fluorinated counter anions: Novel inhibitors of fungal ergosterol biosynthesis</b> (2017) <i>Molecules</i> , 22 (11), art. no. 1532,	7
161	<b>Failure of 321 stainless steel heater tube in heavy crude oil</b> (2017) <i>Case Studies in Engineering Failure Analysis</i> , 9, pp. 1-8. .	2
162	<b>Complete genome sequencing of influenza A viruses within swine farrow-to-wean farms reveals the emergence, persistence, and subsidence of diverse viral genotypes</b> (2017) <i>Journal of Virology</i> , 91 (18), art. no. e00745-17, .	19

163	<b>Types, indications and impact evaluation of sand and dust storms trajectories in the Arabian Gulf</b> (2017) <i>Sustainability (Switzerland)</i> , 9 (9), art. no. 1526, .	44
164	<b>Particle size, rheological and structural properties of whole wheat flour doughs as treated by high pressure</b> (2017) <i>International Journal of Food Properties</i> , 20 (8), pp. 1829-1842.	10
165	<b>Species identification and molecular typing of human Brucella isolates from Kuwait</b> (2017) <i>PLoS ONE</i> , 12 (8), art. no. e0182111, .	10
166	<b>Monitoring of pesticide residues in commonly used fruits and vegetables in Kuwait</b> (2017) <i>International Journal of Environmental Research and Public Health</i> , 14 (8), art. no. 833, .	77
167	<b>Simulation-based analysis of the use of PCM-wallboards to reduce cooling energy demand and peak-loads in low-rise residential heavyweight buildings in Kuwait</b> (2017) <i>Building Simulation</i> , 10 (4), pp. 481-495.	29
168	<b>Neural network-based model predictive control with CPSOGSA for SBR filtration</b> (2017) <i>International Journal of Electrical and Computer Engineering</i> , 7 (3), pp. 1538-1545.	7
169	<b>Estimation of-dependent reproduction numbers for porcine reproductive and respiratory syndrome across different regions and production systems of the US</b> (2017) <i>Frontiers in Veterinary Science</i> , 4 (APR), art. no. 46, .	10
170	<b>Pesticide knowledge and safety practices among farm workers in Kuwait: Results of a survey</b> (2017) <i>International Journal of Environmental Research and Public Health</i> , 14 (4), art. no. 340,	72
171	<b>Decision tools for FMD emergency vaccination informed by field observations and simulated outbreak data</b> (2017) <i>Frontiers in Veterinary Science</i> , 4 (MAR), art. no. 43, .	3
172	<b>Energy efficiency of iron-boron-silicon metallic glasses in sulfuric acid solutions</b> (2017) <i>Materials Research Express</i> , 4 (3), art. no. 035201	1

173	<b>Experimental investigation of volume change behavior of swelling soil</b> (2017) <i>Applied Clay Science</i> , 137, pp. 22-29.	14
174	<b>Variation in gas chromatography (GC) analysis in setting up laboratory protocols for waste to energy novel fixed bed reactor setups</b> (2017) <i>International Journal of Energy Production and Management</i> , 2 (3), pp. 294-305.	5
175	<b>CO2 Induced Foaming Behavior of Polystyrene near the Glass Transition</b> (2017) <i>International Journal of Polymer Science</i> , 2017, art. no. 7804743, .	NONE
176	<b>Examining the molecular entanglement between V=O complexes and their matrices in atmospheric residues by ESR</b> (2017) <i>RSC Advances</i> , 7 (60), pp. 37908-37914	9
177	<b>Comparative Effects of MMT Clay Modified with Two Different Cationic Surfactants on the Thermal and Rheological Properties of Polypropylene Nanocomposites</b> (2017) <i>International Journal of Polymer Science</i> , 2017, art. no. 5717968, .	10
178	Al-Mutairi, A., Smallbone, A., Al-Salem, S.M., Roskilly, A.P. <b>The first carbon atlas of the state of Kuwait</b> (2017) <i>Energy</i> , 133, pp. 317-326.	3
179	<b>Concurrent hydrogen production and phosphorus recovery in dual chamber microbial electrolysis cell</b> (2017) <i>Bioresource Technology</i> , 237, pp. 193-203.	16
180	<b>Evaluation of different commercial feeds on grow-out silver black porgy, <i>Sparidentex hasta</i> (Valenciennes), for optimum growth performance, fillet quality, and cost of production</b> (2017) <i>Saudi Journal of Biological Sciences</i> , 24 (1), pp. 71-79.	4
<b>Total Citations</b>		<b>2544</b>

No.	Article Titles- Published Year-2018	Citation
181	<b>Highly selective photocatalytic reduction of o-dinitrobenzene to o-phenylenediamine over non-metal-doped TiO<sub>2</sub> under simulated solar light irradiation</b> (2018) <i>Catalysts</i> , 8 (12), art. no. 641, .	7
182	<b>The impact of intraspecific variation on food web structure</b> (2018) <i>Ecology</i> , 99 (12), pp. 2712-2720.	10
183	Benjamin, E.J., Vasan, R.S., Koutrakis, P., Mittleman, M.A. <b>Recent exposure to particle radioactivity and biomarkers of oxidative stress and inflammation: The Framingham Heart Study</b> (2018) <i>Environment International</i> , pp. 1210-1216.	17
184	<b>Preparation of polyetherimide membrane from non-toxic solvents for the separation of hydrogen from methane</b> (2018) <i>Chemistry Central Journal</i> , 12 (1), art. no. 80, .	7
185	<b>Disability adjusted life s (Daly's) in terms of s of life lost (yll) due to premature adult mortalities and postneonatal infant mortalities attributed to pm<sub>2.5</sub> and pm<sub>10</sub> exposures in kuwait</b> (2018) <i>International Journal of Environmental Research and Public Health</i> , 15 (11), art. no. 609, .	19
186	<b>Genetic diversity and population structure of <i>Haloxylon salicornicum</i> moq. in Kuwait by ISSR markers</b> (2018) <i>PLoS ONE</i> , 13 (11), art. no. e0207369,.	8
187	<b>Biosurfactant-facilitated leaching of metals from spent hydrodesulphurization catalyst</b> (2018) <i>Journal of Applied Microbiology</i> , 125 (5), pp. 1358-1369.	3
188	<b>Changes in the fractionation profile of Al, Ni, and Mo during bioleaching of spent hydroprocessing catalysts with <i>Acidithiobacillus ferrooxidans</i></b> (2018) <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 53 (11), pp. 1006-1014.	14
189	<b>Identification and characterization of mushroom body neurons that regulate fat storage in <i>Drosophila</i></b> (2018) <i>Neural Development</i> , 13 (1), art. no. 18, .	6
190	<b>Metagenomic analysis of rhizosphere microflora of oil-contaminated soil planted with barley and alfalfa</b> (2018) <i>PLoS ONE</i> , 13 (8), art. no. e0202127.	10

191	<b>Liquid fuel synthesis in microreactors</b> (2018) <i>Reaction Chemistry and Engineering</i> , 3 (4), pp. 414-432. .	16
192	<b>Cost-benefit analysis of rooftop photovoltaic systems based on climate conditions of Gulf Cooperation Council countries</b> (2018) <i>IET Renewable Power Generation</i> , 12 (9), pp. 1074-1081.	5
193	<b>Vitamin D status among adolescents in Kuwait: A cross-sectional study</b> (2018) <i>BMJ Open</i> , 8 (7), art. no. e021401.	19
194	<b>Analysis of olive oil for authentication and shelf life determination</b> (2018) <i>Journal of Food Science and Technology</i> , 55 (7), pp. 2476-2487.	7
195	<b>Geostatistical characterization of the transmissivity: An example of Kuwait aquifers</b> (2018) <i>Water (Switzerland)</i> , 10 (7), art. no. 828, .	NONE
196	<b>The effect of aluminium nanocoating and water pH value on the wettability behavior of an aluminium surface</b> (2018) <i>Applied Surface Science</i> , 443, pp. 24-30.	9
197	<b>Characterization of semipurified enterocins produced by Enterococcus faecium strains isolated from raw camel milk</b> (2018) <i>Journal of Dairy Science</i> , 101 (6), pp. 4944-4952.	7
198	<b>Bayesian estimation of ELISA and gamma interferon test accuracy for the detection of bovine tuberculosis in caudal fold test-negative dairy cattle in Kuwait</b> (2018) <i>Journal of Veterinary Diagnostic Investigation</i> , 30 (3), pp. 468-470.	3
199	<b>Control of hydrolytic degradation of Poly(lactic acid) by incorporation of chain extender: From bulk to surface erosion</b> (2018) <i>Polymer Testing</i> , 67, pp. 190-196.	20
200	<b>Catalytic activities of noble metal phosphides for hydrogenation and hydrodesulfurization reactions</b> (2018) <i>Catalysts</i> , 8 (4), art. no. 160,	11
201	<b>The dynamics and determinants of Kuwait's long-run economic growth</b> (2018) <i>Economic Modelling</i> , 71, pp. 289-304	5
202	<b>Can a hybrid RO-Freeze process lead to sustainable water supplies?</b> (2018) <i>Desalination</i> , 431, pp. 140-150.	7



203	<b>Associations between ambient particle radioactivity and blood pressure: The NAS (Normative Aging Study)</b> (2018) <i>Journal of the American Heart Association</i> , 7 (6), art. no. e008245.	21
204	<b>Perfomance evaluation of Chrysopogon zizanoides under urban conditions of Kuwait</b> (2018) <i>Saudi Journal of Biological Sciences</i> , 25 (2), pp. 305-312.	NONE
205	<b>Fluxing as a new tool for bitumen rheological characterization and the use of-concentration shift factor (ac)</b> (2018) <i>Construction and Building Materials</i> , 158, pp. 691-699. .	1
206	<b>A probability co-kriging model to account for reporting bias and recognize areas at high risk for Zebra Mussels and Eurasian Watermilfoil Invasions in Minnesota</b> (2018) <i>Frontiers in Veterinary Science</i> , 4 (JAN), art. no. 231,	7
207	<b>Assessment of indoor levels of volatile organic compounds and carbon dioxide in schools in Kuwait</b> (2018) <i>Journal of the Air and Waste Management Association</i> , 68 (1), pp. 54-72. .	8
208	<b>Coral nursery and transplantation of the staghorn coral, Acropora downingi in Sabah Al-Ahmad Sea City, Kuwait, Arabian Gulf</b> (2018) <i>Cogent Environmental Science</i> , 4 (1), art. no. 1480334,	4
209	<b>Synthesis and Characterization of Conductive Polypyrrole: The Influence of the Oxidants and Monomer on the Electrical, Thermal, and Morphological Properties</b> (2018) <i>International Journal of Polymer Science</i> , 2018, art. no. 4191747, .	41
210	<b>Performance and fuel cell applications of reacted ball-milled MgH<sub>2</sub>/5.3 wt% TiH<sub>2</sub> nanocomposite powders</b> (2018) <i>RSC Advances</i> , 8 (67), pp. 38175-38185.	6
211	<b>Ozone background levels and trends in the state of Kuwait</b> (2018) <i>WIT Transactions on Ecology and the Environment</i> , 230, pp. 375-383.	1
212	<b>Benefits of probiotics and/or prebiotics for antibiotic-reduced poultry</b> (2018) <i>Poultry Science</i> , 97 (11), pp. 3807-3815.	39
213	<b>Discovering a new MgH<sub>2</sub> metastable phase</b> (2018) <i>RSC Advances</i> , 8 (56), pp. 32003-32008	12

214	<b>Parametric study on the thermal performance and optimal design elements of solar air heater enhanced with jet impingement on a corrugated absorber plate</b> (2018) <i>International Journal of Photoenergy</i> , 2018, art. no. 1469385, .	6
215	<b>Health impact assessment associated with exposure to PM10 and dust storms in Kuwait</b> (2018) <i>Atmosphere</i> , 9 (1), art. no. 6, .	51
<b>Total Citations</b>		<b>403</b>

No.	Article Titles- Published – Year 2019	Citation
216	<b>Effect of irradiated and non-irradiated waste PET based cementitious grouts on flexural strength of semi-flexible pavement</b> (2019) <i>Materials</i> , 12 (24), art. no. 4133, .	2
217	<b>The growth of ga2o3 nanowires on silicon for ultraviolet photodetector</b> (2019) <i>Sensors (Switzerland)</i> , 19 (23), art. no. 5301,	6
218	<b>The growth of ga2o3 nanowires on silicon for ultraviolet photodetector</b> (2019) <i>Sensors (Switzerland)</i> , 19 (23), art. no. 5301, .	6
219	<b>Evaluation of an offshore wind farm computational fluid dynamics model against operational site data</b> (2019) <i>Ocean Engineering</i> , 193, art. no. 106579, .	5
220	<b>Wave interaction with multiple slotted barriers inside harbour: Physical and numerical modelling</b> (2019) <i>Ocean Engineering</i> , 193, art. no. 106623, .	17
221	<b>Organophosphate esters in indoor dust from 12 countries: Concentrations, composition profiles, and human exposure</b> (2019) <i>Environment International</i> , 133, art. no. 105178, .	32
222	<b>Doping Strontium into Neodymium Manganites Nanocomposites for Enhanced Visible light Driven Photocatalysis</b> (2019) <i>Scientific Reports</i> , 9 (1), art. no. 13932, .	16
223	<b>Delineating groundwater prospect zones in a region with extreme climatic conditions using GIS and remote sensing techniques: A case study from central India</b> (2019) <i>Journal of Earth System Science</i> , 128 (8), art. no. 201, .	9
224	<b>The Implementation of a Carbon Precursor to Produce ZSM-5 Membranes for the Separation of Isomers in the Pervaporation System</b> (2019) <i>ACS Omega</i> , 4 (21), pp. 19005-19010.	3
225	<b>Novel PDMS-based sensor system for MPWM measurements of picoliter volumes in microfluidic devices</b> (2019) <i>Sensors (Switzerland)</i> , 19 (22), art. no. 4886, .	3
226	<b>Numerical prediction of background buildup of salinity due to desalination brine discharges into the northern Arabian Gulf</b> (2019) <i>Water (Switzerland)</i> , 11 (11), art. no. 2284,	3

227	<b>Inhalation exposure to volatile organic compounds in the printing industry</b> (2019) <i>Journal of the Air and Waste Management Association</i> , 69 (10), pp. 1142-1169.	4
228	<b>Effect of dietary probiotics and prebiotics on the performance of broiler chickens</b> (2019) <i>Poultry Science</i> , 98 (10), pp. 4465-4479.	27
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