

Kuwait Institute for Scientific Research
KISR Scientific Papers Published
January - December 2019

January 2020



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Introduction:

Science and Technology Publishing Program (STPP) team at the National Scientific & Technical Information Center (NSTIC) received the list of scientific papers which were published during the period January-December 2019 from Project Management Office (PMO) for the following research centers, division and department at Kuwait Institute for Scientific Research (KISR):

- ✦ Water Research Center (WRC)
- ✦ Energy & Building Research Center (EBRC)
- ✦ Petroleum Research Center (PRC)
- ✦ Environment & Life Sciences Research Center (ELSRC)
- ✦ Techno-Economics Division (TED)
- ✦ Systems & Software Development Department (SSDD)

The team utilized the Journal Citation Reports (JCR) and Scimago Journal Ranking (SJR) as journal evaluation tools and verified all the scientific papers and journals' rankings received from Project Management Office (PMO).

This report explains and analyzes the scientific papers published during January–December 2019 in relation to journal ranking quartiles for all the above-mentioned research centers, division and department. The data is illustrated by tables and figures.

Findings:

The research centers, division and department at Kuwait Institute for Scientific Research (KISR) published **99** scientific papers during the period January–December 2019 (Table 1 & Figure 1). The papers were published in 44 journals that have ranking quartiles (Table 2 & Figure 2), illustrated as follows:

Table 1: Total KISR Scientific Papers Published during January–December 2019

Center / Division/ Department	Jan.– December 2019
WRC	14
EBRC	20
PRC	14
ELSRC	48
TED	3
SSDD	0
Total	99

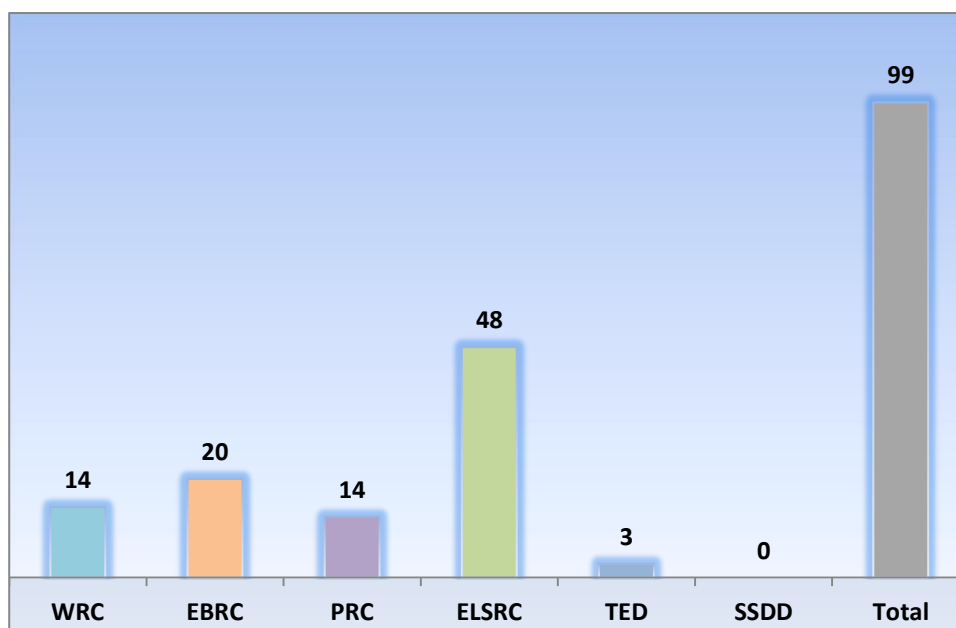


Figure 1: Total KISR Scientific Papers Published during January–December 2019.



Table 2: Journal Ranking Quartiles for KISR Scientific Papers Published during January–December 2019

Journal Ranking Quartiles Jan.– Dec. 2019	WRC	EBRC	PRC	ELSRC	TED	SSDD	Total
Quartiles 1	1	6	4	22	0	0	33
Quartiles 2	2	10	4	11	2	0	29
Quartiles 3	9	3	5	11	1	0	29
Quartiles 4	2	1	0	4	0	0	7
Total Journal Ranking Quartiles	14	20	13	48	3	0	98

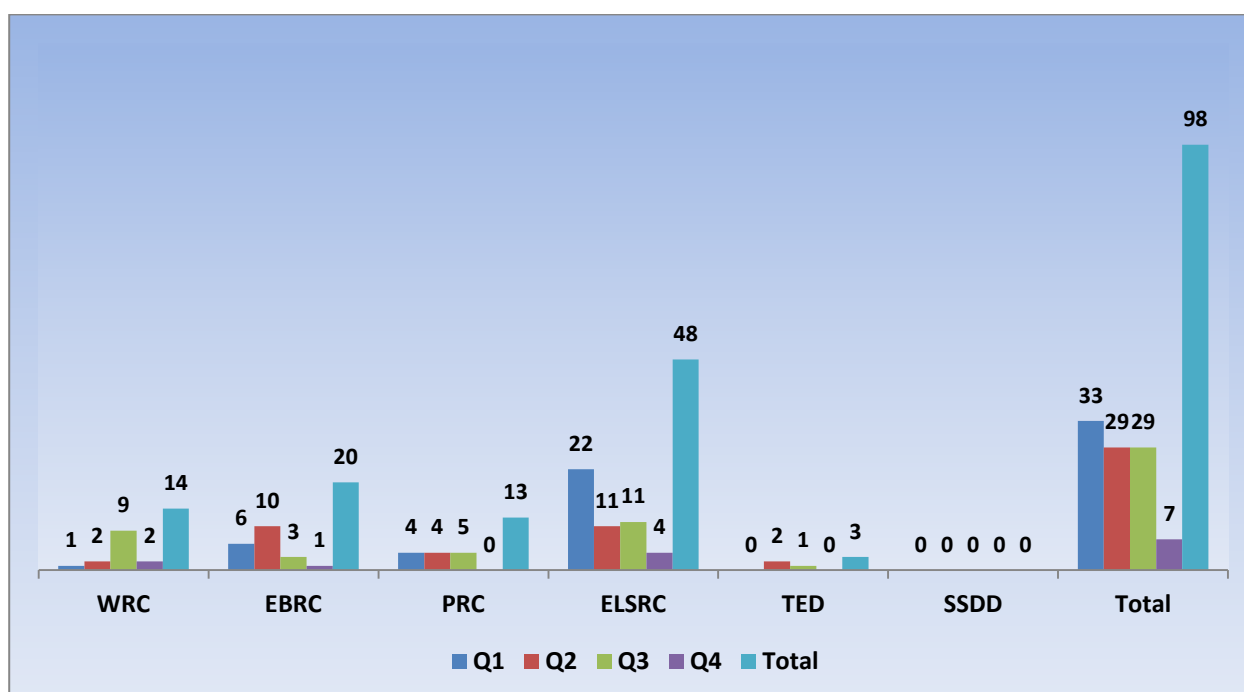


Figure 2: Journal Ranking Quartiles for KISR Scientific Papers Published during January-December 2019.

Table 3: KISR Scientific Papers published in Non-Ranked (NR) Journals during January–December 2019

Non-Ranked Journals Jan.–Dec. 2019	WRC	EBRC	PRC	ELSRC	TED	SSDD	Total
NR	0	0	1	0	0	0	1

Scientific Papers Published during January–December 2019

The following detailed list demonstrates the scientific papers published during January–December 2019 including information related to paper title, KISR No., author name, journal title, ISSN, journal quartile ranking and publication month/year per each research center, division and department:

No	Paper Title	KISR No.	Author Name	Journal Title	ISSN	Quartile Ranking	Publication month/Year	Research Center
1.	Performance Evaluation of a Thermoresponsive Polyelectrolyte Draw Solution in a Pilot Scale Forward Osmosis Seawater Desalination System (WT041C)	15200	M. Ahmed R. Kumar B. Garudachari J. P. Thomas	Desalination	0011-9164	Q1	Feb-19	WRC
2.	Boron Selective Thin Film Composite Nanofiltration Membrane Fabricated via a Self-Assembled Trimesic Acid Layer at a Liquid-Liquid Interface on an Ultrafiltration Support (WR036)	15381	R. Kumar M. Ahmed Salim Ok B. Garudachari J. P. Thomas	New Journal of Chemistry	1144-0546	Q2	Jan-19	WRC
3.	Establishment of database on the Physical, Chemical, and Biological Characteristics of the Seawater Intake of Kuwaiti Desalination Plants (WT043K)	14256	M. Salman A. Al-Haji S. Al-Haddad M. Al-Rugaib A. Al-Mesri	Desalination and Water Treatment	1944-3994	Q3	Jan-19	WRC
4.	Mineral Extraction from Seawater Reverse Osmosis Brine of Gulf Seawater (WR038)	15286	M. Ahmed B. Garudachari Y. Al-Wazzan R. Kumar J. P. Thomas	Desalination and Water Treatment	1944-3994	Q3	Mar-19	WRC
5.	A geochemical analogy between the metal sources in Kuwait Bay and territorial sea water of Kuwait.	14672	S. Chidambaram, H. Bhandary, A. Al-Khalid Chidambaram Sabarathinam Harish Bhandary Asim Al-Khalid	Environmental Monitoring and Assessment	1573-2959	Q3	Mar-19	WRC
6.	Fabrication, characterization and performance study of acriflavine TFC nanofiltration membrane for brine concentration (WR035)	15426	B. Garudachari M. Ahmed, R. Kumar J. P. Thomas	Desalination and Water Treatment	1944-3994	Q3	Apr-19	WRC
7.	Hydrophobically modified silica blend PVDF nanocomposite membranes for seawater desalination via direct contact membrane distillation (WT050C)	15467	R. Kumar, M. Ahmed, B. Garudachari, A. Al-Mesri, J. P. Thomas	Desalination and Water Treatment	1944-3994	Q3	Apr-19	WRC

No	Paper Title	KISR No.	Author Name	Journal Title	ISSN	Quartile Ranking	Publication month/Year	Research Center
8.	Predominance of Attached Versus Suspended Growth in a Mixed-Growth, Continuous-Flow Biological Reactor Treating Primary-Treated Petrochemical Wastewater (WT040K)	14479	Mohd. E. Ahmed A. Al-Dhafeeri A. Mydlarczyk	Arabian Journal for Science and Engineering	0377-9211	Q3	May-19	WRC
9.	Sustainability of Brackish Groundwater Utilization from the Eocene Aquifer for Oil Exploration Operations in Central Kuwait (WM055C)	15576	A. Aliewi, H. Al-Enezi, I. Al-Maheimid, J. Al-Kandari, A. Al-Haddad, H. Al-Qallaf, T. Rashid, D. Sadeqi	ENVIRONMENTAL DEVELOPMENT AND SUSTAINABILITY	1387-585X	Q3	Jun-19	WRC
10.	Laboratory assessment of GAC-packed IFAS for treatment of primary treated petrochemical wastewater (WT040K)	13974	Mohd. E. Ahmed, A. Abusam, A. Mydlarczyk	Journal of Environmental Biology	0254-8704	Q4	May-19	WRC
11.	Hydraulic Evaluation of a Dewatering Scheme in Shallow Aquifers in Kuwait (WT032C)	14673	A. Aliewi, H. Al-Qallaf, T. Rashid, A. Al-Odwani	Quarterly Journal of Engineering Geology and Hydrogeology	0481-2085	Q4	Jun-19	WRC
12.	Assessment of Pilot Scale Forward Osmosis System for Arabian Gulf Seawater Desalination using Polyelectrolyte Draw Solution (WT041C)	15557	M. Ahmed R. Kumar B. Garudachari J. P. Thomas	Desalination and Water Treatment	1944-3994	Q3	Jul-19	WRC
13.	A Facile Approach of Thin Film Coating consisted of Hydrophobic Titanium Dioxide over Polypropylene Membrane for Membrane Distillation (WT050C)	15788	"R. Kumar M. Ahmed B. Garudachari A. Al-Mesri J. P. Thomas"	Journal of Membrane Science & Research	24765406	Q2	Sep.-19	WRC
14.	The Presence and Distributon of Radioactivity in Kuwait Wastewater Treatment Plants (WTRT)	15767	"Mohd. E. Ahmed A. Al-Haddad A. Mydlarczyk A. Aba"	Arabian Journal for Science & Engineering (AJSE)	0377-9211	Q3	Aug-19	WRC
15	Computational Modeling of a unique tower in Kuwait for Structural Health Monitoring: Numerical Investigations	15319	Hao Sun, J. Al-Qazweeni, J. Parol, H. Kamal, Zhao Chen, O. Buyukozturk	Structural Control and Health Monitoring	1545-2255	Q1	Jan-19	EBRC
16	Construction of mesoporous g-C ₃ N ₄ /TiO ₂ nanocrystals with enhanced photonic efficiency	15156	L. AL-Hajji, A. Ismail, M. Faycal Atitar, I. Abdelfattah, A. M. El- Toni	Ceramics International	0272-8842	Q1	Jan-19	EBRC

No	Paper Title	KISR No.	Author Name	Journal Title	ISSN	Quartile Ranking	Publication month/Year	Research Center
17.	Metallic glassy Ti ₂ Ni grain-growth inhibitor powder for enhancing the hydrogenation/dehydrogenation kinetics of MgH ₂	15377	M. Sherif	RSC Advances	2046-2069	Q2	Jan-19	EBRC
18.	Highly efficient solar light-assisted TiO ₂ nanocrystalline for photodegradation of ibuprofen drug	14776	T. M. Khedr, S. M. El-Sheikh, A. Ismail, D. W. Bahnemann	Optical Materials	0925-3467	Q2	Feb-19	EBRC
19.	Effect of LaNi ₃ Amorphous Alloy Nanopowders on the Performance and Hydrogen Storage Properties of MgH ₂	15414	M. Sherif, Maryam Saeed, Eissa Al-Nassrallah, Fahad Al-Ajmi, Mohammad Banyan	Energies	1996-1073	Q2	Mar-19	EBRC
20.	Deposition of Stainless Steel Thin Films : An Electron Beam Physical Vapour Deposition Approach	15429	N. Ali, J.A. Teixeira, A. Addali, M. Saeed, F. Alzubi, A. Sedaghat, H. Bahzad	Materials	1996-1944	Q2	Feb-19	EBRC
21.	Recent developments in the fabrication, characterization and implementation of MgH ₂ -based solid-hydrogen materials in the Kuwait Institute for Scientific Research	15436	M. El-Eskandarany	RSC Advances	2046-2069	Q2	Mar-19	EBRC
22.	Synergistic effect of new ZrNi ₅ /Nb ₂ O ₅ catalytic agent on storage behavior of nanocrystalline MgH ₂ powders	15451	M. Sherif El-Eskandarany, Mohammad Banyan and Fahad Al-Ajmi	Catalysts	2073-4344	Q2	Mar-19	EBRC
23.	Mechanically-Induced Catalyzation of MgH ₂ Powders with Zr ₂ Ni-Ball Milling Media	15506	M.S.El-Eskandarany, Fahad Al-Ajmi, Mohammad Banyan	Catalysts	2073-4344	Q2	Apr-19	EBRC
24.	Photooxidation of acetaldehyde over TiO ₂ film: Impact of the substrate glassy structure on the photonic efficiency	15453	L.A. Al-Hajjia, Adel A. Ismail	Superlattices and Microstructures	0749-6036	Q2	May-19	EBRC
25.	old-Rolled Magnesium Hydride Strips Decorated with Cold-Sprayed Ni Powders for Solid-Sate-Hydrogen Storage	15581	M. Sherif El-Eskandarany, Mohammad Banyan and Fahad Al-Ajmi	International Journal of Hydrogen Energy	0360-3199	Q2	Jun-19	EBRC

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26.	Photo degradation of Herbicide Imazapyr and Phenol over Mesoporous Bicrystalline Phases TiO ₂ : A Kinetic Study	15659	Mohamed Faycal Atitar Adel. A. Ismail Ralf Dillert Detlef W. Bahnemann	Catalysts	2073-4344	Q2	Jul-19	EBRC
27.	Dynamics contribution to the growth mechanism of Ga ₂ O ₃ thin film and NWs enabled by Ag Catalyst	15687	Alhalaili B Bunk R, Vidu R Islam MS	Nanomaterials	2079-4991	Q1	Sep-19	EBRC
28.	Doping Strontium into Neodymium Manganites Nanocomposites for Enhanced Visible light Driven Photocatalysis	15705	A. Abdel-Latif, L. A. Al-Hajji, M. Faisal & Adel A. Ismail	Scientific Reports	2045-2322	Q1	Sep-19	EBRC
29.	Environmentally friendly nanocrystalline magnesium hydride decorated with metallic glassy-zirconium palladium nanopowders for fuel cell applications	15706	M. Eskandarany, Mohammad Banyan, and Fahad Al-Ajmi	RSC Advances	2046-2069	Q2	Sep-19	EBRC
30.	Impact of calcination of hydrothermally synthesized TiO ₂ nanowires on their photocatalytic efficiency	15760	L.A.Al-Hajji, Adel A.Ismail, A.Al-Hazzaa, .A.Ahmed, M.Alsaidi, F.Almutawa, A.Bumajdad	Journal of Molecular Structure	0022-2860	Q3	Jan-20	EBRC
31.	Evaluation of an offshore wind farm computational fluid dynamics model against operational site data.	15785	M. Richmond, A. Antoniadis, L. Wang, A. Kolios, S. Al-Sanad, J. Prol	Ocean Engineering	0029-8018	Q1	Dec-19	EBRC
32.	Aluminium Nanofluids stability : A Comparison Between The Conventional Two- Step Fabrication Approach and The Controlled Sonication Bath Temperature Method	15852	Naser Ali, Joao A. Teixeira, Abdulmajid Addali	Journal of Nanomaterials	1687-4110	Q3	Oct-19	EBRC
33.	Experimental and numerical investigation of reinforced concrete beams containing vertical openings	15774	Jafarali Parol, Ammar Ben-Nakhi, Shaikha Al-Sanad, Jamal Al-Qazweeni, Hamad J. Al-Duaij, Hasan Kamal	Structural Engineering and Mechanics	1225-4568	Q1	Nov-19	EBRC

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34.	Effect of Water Temperature, PH value film thickness on the wettability behavior of Copper surfaces coated with copper using EB-PVD technique	15848	Naser Ali, Joao A. Teixeira, Abdulmajid Addali	Journal of Nano Research	1662-5250	Q4	Nov-19	EBRC
35.	Oxidative desulfurization kinetics of refractory sulfur compounds in hydrotreated middle distillates.	15173	Muhieddine Safa Rashed Bouresli Rawan Al-Majren Tahani Al-Shamary Xiaoliang Ma	Fuel	0016-2361	Q1	Mar-19	PRC
36.	The susceptibility of P110 downhole tubular steel to sulfide stress cracking in H ₂ S and NaCl	15266	Rihan O. Rihan B. Al-Wakaa N. Tanoli H. Shalaby	Journal of Petroleum Science and Engineering	0920-4105	Q1	Mar-19	PRC
37.	Mitigation of Asphaltenes Precipitation Phenomenon via Chemical Inhibitors	15278	Ebtisam Ghouloum, Abeer Rashed, Muhieddine Safa , Rachid C. Sablit , Saleh Al-Jowhar	Journal of Petroleum Science and Engineering	0920-4105	Q1	Apr-19	PRC
38.	Hydroprocessing of Heavy Residual Oil: Opportunities and Challenges	14855	A Marafi, Hamza Albazzaz, Mohan Rana	Catalysis Today	0920-5861	Q1	Jun-19	PRC
39.	A study of Galvanic Corrosion in stagnant Ammonium Bisulfide Solution	15587	H. Al-Mazeedi, A. AL-Farhan, N. Tanoli, and L. Abraham	International Journal of Corrosion	16879333	Q3	Feb-19	PRC
40.	Recent developments in polyetherimide membrane for gas separation	15688	Y. Alqaheem, A. Alomair	Journal of the chinese chemical society	0009-4536	Q3	May-19	PRC
41.	Biopolymer Solution Evaluation Methodology: Thermal And Mechanical assessment fo Enhanced Oil Recovery with High Salinity Brines	15603	M. A. Saleh, A.A. Yussuf, M. A. Jumaa, A. Hammoud, T. Al-Shammari	processes	2227-9717	Q2	Jun-19	PRC
42.	Controllable thermal conversion of thiomolybdate to active few-layer MoS ₂ on alumina for efficient hydrodesulfurization	15719	Mari Vinoba, R., Navvamani, Hanadi Al-Sheeha	SN Applied Sciences	2523-3963	Non-Ranked	Mar-19	PRC
43.	The use of a Sucrose Precursor to Prepare a Carbon Membrane for the Separation of Hydrogen from Methane	15796	A. Alomair, Y. Al-Qaheem, Stuart M. Holmes	RSC Advances	2046-2069	Q2	Apr-19	PRC

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44.	Molecular Structure and Solubility Determination of Asphaltenes	15799	S. Ok, M. Mahmoodinia, N. Rajasekaran, M. Sabti, A. Lervik, T. S. van Erp, R. Cabriolu	Energy & fuels	0887-0624	Q2	Aug-19	PRC
45.	Homogeneously Dispersed Carbon Nanofiber/High-Density Polyethylene Nanocomposite Compatibilized by Dilakylimidazolium Tetrafluoroborate	15720	J. Samuel, S. Al-Enezi, A. Al-Banna, G. Abraham	Journal of Nanomaterials	1687-4110	Q3	Sep-19	PRC
46.	Investigating The Synergetic Effect of Ultraviolet Radiation and Elevated Temperature on Mechanical and Thermal Properties of Glass Fiber Reinforced Plastic Pipes	15798	M. Al-Samhan, J. Samuel, F. Al-Attar, A. Al-Banna, G. Abraham	Journal of Pipeline Systems Engineering and Practice	1949-1190	Q3	Feb-20	PRC
47.	The Implementation of a Carbon Precursor to Produce ZSM-5 Membranes for the Separation of Isomers in the Pervaporation System	15797	A. Alomair, Y. Al-Qaheem,	ACS Omega	2470-1343	Q2	Nov-19	PRC
48.	The Structural Properties and Applications of Zeolites: A Review	15201	Abdulaziz Alomair Yousef Al-Qaheem"	Transylvanian Review	1221-1249	Q4	Jan.19	PRC
49.	Chemical profile and antioxidant activities of 26 selected species of seaweeds from Kuwait coast	15440	K. H. Sabeena Farvin, A. Surendraraj , Aws Al-Ghunaim , Faiza Al-Yamani ,	Journal of Applied Phycology	0921-8971	Q1	Jan-19	ELSRC
50.	Influential Parameters on Natural Weathering Under Harsh Climatic Conditions of Mechanically Recycled Plastic Film Specimens	15197	S. Al-Salem	Journal of Environmental Management	0301-4797	Q1	Jan-19	ELSRC
51.	Eggshell as a Carbon Dioxide Sorbent in the Gasification of Biomass: Calcination and Carbonation Kinetics	15542	S.A.Salaudeen, S.M.Al-Salem, M.Heidari, B.Acharya, A.Dutta	Energy and Fuels	0887-0624	Q2	Apr.19	ELSRC

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52.	A comparison of elemental presence in UK and Kuwait road dust	14451	Abdullah Alsubaie, Maisarah Jaafar, Abdullah N. Al-Dabbous, S Alomairy, Yasser Altoarqi, Eman Daar, Mohammed Alkhorayef , L Alsulaiti, KS Almugren,NI Ward, DA Bradley	Radiation Physics and Chemistry	0969806X	Q1	Feb-19	ELSRC
53.	Feasibility of offshore wind energy as an alternative source for the state of Kuwait	14579	W. K. Al-Nasser, S. Neelamani, K. A. Al-salem, H. A. Al-Dashti	Energy	0360-5442	Q1	Feb-19	ELSRC
54.	The Response of Microzooplankton (tintinnid) Community to Salinity Related Environmental Changes in a Hypersaline Marine System in the Northwestern Arabian Gulf	14349	Faiza Y.Al-Yamani, Rakhesh Madhusoodhanan , Valeriye Skryabin, Turki Al-Said .	Deep-Sea Resaesrch Part II - TOPICAL STUDIES IN OCEANOGRAP HY	0967-0645	Q1	Feb-19	ELSRC
55.	Untangling the bacterial community composition and structure in selected Kuwait desert soils	14742	M. Quoreshi, M. K. Suleiman, V. Kumar, A. J. Manuvel, M.T. Sivadasan, M.A. Islam, D.P. Khasa	Applied Soil Ecology	0929-1393	Q1	Jul-19	ELSRC
56.	High-Pressure Assisted Enzymatic Proteolysis of Kidney Beans Protein Isolates and Characterization of Hydrolysates by Functional, Structural, Rheological and Antioxidant Properties	15420	N. Al-Ruwaih, J. Ahmed, M. Mehraj F. Mulla, Y. Ali-Arafat	LWT- Food Science and Technology	0023-6438	Q1	Feb-19	ELSRC
57.	Assessment of loss of 210Po from fish and shrimp by cooking and its effect on dose estimates to humans ingesting seafood	15509	S.Uddin, M.Behbehani, S.W.Fowler, A.N.Al-Ghadban, S.Dupont	Journal of Environmental Radioactivity	0265931X	Q1	Sep-19	ELSRC
58.	Thermal pyrolysis of high density polyethylene (HDPE) In a novel fixed bed reactor system for the production of high value gasoline range hydrocarbons (HC)	15537	S.Al-Salem	Process Safety and Environmental Protection	0957-5820	Q1	Jul-19	ELSRC
59.	Acute effects of air pollution on mortality: A 17 year analysis in Kuwait	15466	S. Achilleos, E. Al-Ozairi, B. Alahmad , E . Garshick A. Neophytou, W. Bouhamra, M. F. Yassin, P. Koutrakis	Environment International	0160-4120	Q1	May-19	ELSRC

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60.	Evaluation of elemental concentrations of uranium, thorium, and potassium in top soils from Kuwait	15578	A.D. Bajoga, A.N. Al-Dabbous, A.S. Abdullahi, N. A. Alazemi, Y. D. Bachama, Alaswad, S.O.f	Nuclear Engineering and Technology	1738-5733	Q1	May-19	ELSRC
61.1.	Solar and wind energy: challenges and solutions in desert regions	15498	A.Al-Dousairi, W. Al-Nasser, A. Al-Hemoud, A. Al-Saleh, N. Al-Dousari, M. Ahmed, Ramadan, A	Energy	0360-5442	Q1	Jun-19	ELSRC
62.	Hydro-environmental processes governing the formation of hypoxic parcels in an inverse estuarine water body: Model validation and discussion	15545	Dr. Yousef Al-Osairi Eng. Nada AL-Sulaiman	Marine Pollution Bulletin	0025-326X	Q1	Jul-19	ELSRC
63.	Preface to Dust Events in the Environment	15465	D. M. Doronzo, A. Al-Dousari	Sustainability	2071-1050	Q2	Jan-19	ELSRC
64.	Key Drivers for Copepod Assemblages in a Eutrophic Coastal Brackish Lake	15476	Neila Annabi-Trabelsi, Gamal El-Shabrawy, Mohammed E. Goher, Madhavapeddi N. V. Subrahmanyam, Yousef Al-Enezi, Mohammad Ali, Habib Ayadi and Genuario Belmonte	Water	2073-4441	Q2	Feb-19	ELSRC
65.	Distribution and antimicrobial activity of lactic acid bacteria from raw camel milk	14744	R.Rahmeh A.Akbar M.Kishk T.Al-Onaizi A.Al-AzmiA. Al-Shatti A.Shajan S.Al-Mutairi B.Akbar	New Microbes and New Infections	2052-2975	Q2	Jul-19	ELSRC
66.	Thermal Response and Degressive reaction Study of Oxo-Biodegradable Plastic Products Exposed to Various Degradation Media	15527	S.Al-Salem, A.Nasser, M.Behebhani, H.Sultan, M.Al-Wadi, A.Al-Dhafeeri, Z.Al-Rasheed, M.Al-Fouadarree, H.Karam	International Journal of Polymer Science	1687-9422	Q2	Apr-19	ELSRC
67.	Response of Corals <i>Acropora pharaonis</i> and <i>Porites lutea</i> to Changes in pH and temperature in the Gulf	15531	M. Behbehai, S. Uddin, S. Dupont, S. Sajid, L. Musallam, and A. Al-Gadban	Sustainability	2071-1050	Q2	Jun-19	ELSRC

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68.	Economic Impact and Risk assessment of Sand and Dust Storms (SDS) on the Oil and Gas Industry in Kuwait	15280	A. Al-Hemoud, A. Al-Dousari, R. Misak, M. Al-Sudairawi, A. Naseeb, H. Al-Dashti, N. Al-Dousari	Sustainability	2071-1050	Q2	Jan-19	ELSRC
69.	On the kinetics of Degradation Reaction Determined post Accelerated Weathering of Polyolefin Plastic Waste Blends	15368	S.Al-Salem, M.Behbehani, H.Karam, S.Al-Rowaih, F.M.Asiri	International Journal of Environmental Research and Public Health	1660-4601	Q2	Jan-19	ELSRC
70.	Assessment of the Diversity of Fungal Community Composition Associated with Vachellia pachyceras and its Rhizosphere Soil from Kuwait Desert	15339	Majda Khalil Suleiman, Kingsley Dixon, Lucy Commander, Paul Nevill, Ali Qureshi, Narayana Bhat, Anitha Manuvel, Mini Sivadasan	Frontiers in Microbiology	1664-302X	Q2	Jan-19	ELSRC
71.	Study of the degradation profile for virgin linear low-density polyethylene (LLDPE) and polyolefin (PO) plastic waste blends	15508	S.M. Al-Salem, M.H. Behbehani, A. Al-Hazza'a, J.C. Arnold, S.M. Alston, A.A. Al-Rowaih, F. Asiri, S.F. Al-Rowaih, H. Karam	Journal of Material Cycles and Waste Management	1438-4957	Q3	May-19	ELSRC
72.	Enhancement of heavy metal tolerance and accumulation efficiency by expressing Arabidopsis ATP Sulfurylase gene in alfalfa	14494	Dr. Vinod Kumar, Dr. Sabah Almomin, Hamed Al-Aqeel, Dr. Fadila Al-Salameen Al-Shatti, A, Shajan, A.B., Nair, S.M.	International Journal of Phytoremediation	1522-6514	Q3	May-19	ELSRC
73.	Special issue of the workshop on indoor air quality in hot arid climate	15536	M.F. Yassin	International journal of Environmental Science and Technology	1735-1472	Q3	Jun-19	ELSRC

No	Paper Title	KISR No.	Author Name	Journal Title	ISSN	Quartile Ranking	Publication month/Year	Research Center
74.	High- Frequency multiple shoot induction from nodal segments and assessment of genetic homogeneity of micropropagated <i>Atriplex halimus</i> L.	14347	Dr. Vinod Kumar, Dr. Sabah Almomin, Anisha Shajan, Hamed Al-Aqeel, Dr. Fadila Al-Salameen Sindhu, N.	Research Journal of Biotechnology	2278-4535	Q4	May-19	ELSRC
75.	Evaluating the diversity and composition of bacterial communities associated with <i>Vachellia pachyceras</i> — the only existing native tree species in the Kuwait desert	15390	M. K. Suleiman, K. Dixon, L. Commander, P. Nevill, A. M. Qureshi, N. R. Bhat, A. J. Manuvel, M. T. Sivadasan	Canadian Journal of Microbiology	0008-4166	Q4	Mar-19	ELSRC
76.	Predicting changes in mean length with an age-structured stock assessment model.	15680	Ben-Hasan, Abdul, C. Walters, Villy Christensen, Brett van Poorten, Sarah Rajab, Mohsen Al-Husaini, Hussein Al-Foudari	Natural Resource Modeling	0890-8575	Q3	Apr-19	ELSRC
77.	Isolation of Gram-positive Firmibacteria as major eicosapentaenoic acid producers from subtropical marine sediments	15646	Surendraraj Alagarsamy, Sabeena Farvin K.H, Saja Fakhraldeen, Meera Regu, Faiza Al-Yamani	Letters in Applied Microbiology	0266-8254	Q3	May-19	ELSRC
78.	Factors Affecting the Distribution, Biomass, and Life Stages of <i>Sargassum</i> spp. in the Northwest Arabian Gulf	15617	A. Al-Ghunaim, Hanan Al-Adilah, Mohammad Ali, M. N. V. Subrahmanyam	Atmosphere-ocean	0705-5900	Q3	May-19	ELSRC
79.	Concentration of ²¹⁰ Po and ²¹⁰ Pb in Mmicroalgae from the Northern Gulf	15643	S. Uddin, M. Behbehani, S. Sajid, Q. Karam	Marine Pollution Bulletin	0025-326X	Q1	Jun-19	ELSRC
80.	Spatial and temporal diversity of marine fauna of Boubyan Island of Kuwait	15670	A. Al-Saffar, W. Chen	Aquatic Ecosystem Health and Management	1463-4988	Q4	Jun-19	ELSRC

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81.	Elemental evaluation of urban road dirt in tropical, arid and maritime climate	15549	A. Alsubaie, E. Daar, L. Alsulaiti, A. N. Al-Dabbous, M. Chamakh, M. Jaafar, D. A. Bradley	Radiation Physics and Chemistry	0969-806X	Q1	Jul-19	ELSRC
82.	Determination of Biodegradation Rate of Commercial Oxo-Biodegradable Polyethylene Film Products Using ASTM D 5988	15561	S.Al-Salem, H.Sultan , H. Karam, A. Al-Dhafeeri	Journal of Polymer Research	1022-9760	Q3	Jul-19	ELSRC
83.	Plastic Solid Waste (PSW) in the Context of Life Cycle Assessment (LCA) and Sustainable Management	15602	Ana Antelava Spyridon Damilos Sanaa Hafeez George Manos Sultan M. Al-Salem Brajendra K. Sharma Kirtika Kohli Achilleas Constantinou	Environmenta l Management	0364-152X	Q2	Aug-19	ELSRC
84.	Evaluation of Elemental Concentrations of Uranium, Thorium and Potassium in Top Soils from Kuwait	15578	A. D. Bajoga, A. N. Al-Dabbous, A. S. Abdullahi, N. A. Alazemi, Y. D. Bachama, S. O. Alaswad	Nuclear Engineering and Technology	1738-5733	Q1	Sep-19	ELSRC
85.	Impact of Dietary Supplementation of Different Levels of Black Seeds (<i>Nigella sativa</i> L.) on Production Performance , Mortality and Immunity of Broiler Chickens	15657	Faten Khalil Dr. Afaf Al-Nasser Dr. A. Al-Safar Anaam E. Omar Gehan Ragheb	International Journal of Poultry Science	16828356	Q3	Sep-19	ELSRC
86.	Wave transmission, reflection, and dissipation of scrap tire floating breakwater in random waves	14575	Dr. Ahmad Al-Yousif, Dr. S. Neelamani , Arnoldo Valle-Levinson	ISH Journal of Hydraulic Engineering	9715010	Q2	Sep-19	ELSRC
87.	Insights into the Evaluation of the Abiotic and Biotic Degradation rate of Commercial Pro-Oxidant filled Polyethylene (PE) thin films	15683	S.M.Al-Salem, A.Al-Hazzaá, H.J.Karam, M.H-Al-Wadi, A.T.Al-Dhafeeri, A.A.Al-Rowaih	Journal of Environmenta l Management	0301-4797	Q1	Sep-19	ELSRC
88.	Heavy metal concentrations in the surface sediments of the northwest Arabian Gulf Kuwait	15742	H. AlShemmari, L. Talebi	Arabian Journal of Geosciences	1866-7511	Q4	Sep-19	ELSRC

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89.	Diversity and Distribution of the Intertidal Mollusca of the State of Kuwait, Arabian Gulf	15778	Al-Kandari, M., Oliver, P.G., Chen, W., Skryabin, V., Raghu, M., Yousif, A., Al-Jazzaf, S., Taqi, A., AlHamad, A.	Regional Studies in Marine Science	2352-4855	Q3	Jan-20	ELSRC
90.	The Extreme waves in Kuwaiti Territorial waters using measured data	15718	Dr. Neelamani, Ms. Aala Jardi, Dr. Noora Al-Mashan, Dr. Hassan A. Aldashti	Ocean Engineering	0029-8018	Q1	Oct-19	ELSRC
91.	A review of the Valorization and Management of Industrial Spent Catalyst Waste in the Context of Sustainable Practice: The case of the State of Kuwait in Parellel to European industry	15729	S.M. Al-Salem, A. Constatinou, G.A. Leeke, S. Hafeez, T. Safdar, H.J. Karam, M. Al-Qassimi, A.T. Al-Dhafeeri, G. Manos, U. Arena	Waste Management & Research	0734-242X	Q3	Oct-19	ELSRC
92.	Wave Interaction with Multiple Slotted Barriers Inside Harbor: Physical and Numerical Modelling	15864	K. G. Vijay , Dr. Neelamani , T. Sahoo	Ocean Engineering	0029-8018	Q1	Dec-19	ELSRC
93.	Heterotrophic Consumption may Mask Increasing Primary Production Fuelled by Anthropogenic Nutrient Loading in the Northern Arabian/Persian Gulf	15664	Dr. Turki Al-Said Dr. Wajih Naqvi Dr. Ayaz Ahmed Dr. Rakhesh Madhusoodhanan Dr. Loreta Fernandes Raziya Kedila Hadeel AlMansouri Kholood Al-Rifaie Dr. Faiza Al-Yamani	Marine Pollution Bulletin	0025-326X	Q1	Nov-19	ELSRC
94.	Cost-Effective Media for Production of Lactic Acid Bacteria Isolated from Poultry in Kuwait	15770	Hamad A-Mansour Thanyan Al-Onaizi Mohamed cKishk Tahani Al-Surrayai Ahmed Hadi Mohamed Aawadi Siby Varughese	International Journal of Poultry Science	1682-8356	Q3	Nov-19	ELSRC
95.	Responses of salinity and chlorophyll-a to extreme rainfall events in the northwest Arabian Gulf: Emphasis on Shatt Al-Arab	15717	Dr. Yousef Al-Osairi, Eng. Nada Al-Sulaiman, Dr. Peter Petrov, Q. Karam	Marine Pollution Bulletin	0025-326X	Q1	Dec-19	ELSRC

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96.	Elemental evaluation of urban road dirt via three analytical techniques	15805	A. Alsubaie, L. Alsulaiti, E. Daar, A. N. Al-Dabbous, M. Chamakh, M. Jaafar, D. A. Bradley	Radiation Physics and Chemistry	0969-806X	Q1	Dec-19	ELSRC
97.	Economic impact and risk assessment of sand and dust storms (SDS) on the oil and gas industry in Kuwait	15280	Ali Al-Hemoud, Ali Al-Dousari, Raafat Misak, Mane Al-Sudairawi, Adil Naseeb, Hassan Al-Dashti, Noor Al-Dousari	Sustainability	2071-1050	Q2	Jan-19	TED
98.	Temperature Inversion and Mixing Height: Critical Indicators for air Pollution in Hot Arid Climate	14293	Ali Al-Hemoud Mane Al-Sudairawi Mufreh Al-Rashidi Weam Behbehani Ahmed Al-Khayat	Natural Hazards	0921-030X	Q2	Jun-19	TED
99.	Effects of the EU-GCC Economic Agreement on the Margins of Trade	15862	Ahmad AlAwadi, Nayef Al-Shammari, Wael AlShuwaiee	Emerging Markets Finance and Trade	1540-496X	Q3	Dec-19	TED
100	communicate in Arabic Ausability study of augmentative and alternative communicate application	15579	Noura Al-Ghurair , Ghada Al-Naqi	Journal of Engineering Research	2307-1877	Q4	NP	SSDD

Note:

Scientific paper highlighted yellow is not published yet and it is not included in statistics, tables, and figures in this report.

