

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter (Special Issue-32 on Covid-19)

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Corona Virus Research and EMRO countries

<i>Row</i>	<i>Article</i>	<i>link</i>	<i>Country</i>
1	SARS-CoV-2: targeted managements and vaccine development	https://pubmed.ncbi.nlm.nih.gov/33293238	Bahrain
2	A response to the recommendations for using dexamethasone for the treatment of COVID-19:	https://pubmed.ncbi.nlm.nih.gov/33302762	Egypt

the dark side of dexamethasone

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| 3 | BCG vaccine does not protect against COVID-19 | https://pubmed.ncbi.nlm.nih.gov/33299492 | Egypt |
| 4 | The transcriptomic profiling of SARS-CoV-2 compared to SARS, MERS, EBOV, and H1N1 | https://pubmed.ncbi.nlm.nih.gov/33301474 | Egypt, Qatar |
| 5 | Repurposing of some anti-infective drugs for COVID-19 treatment: a surveillance study supported by an in silico investigation | https://pubmed.ncbi.nlm.nih.gov/33300221 | Egypt |
| 6 | Are multiple sclerosis patients and their caregivers more anxious and more committed to following the basic preventive measures during the COVID-19 pandemic? | https://pubmed.ncbi.nlm.nih.gov/33296977 | Egypt |
| 7 | Molecular docking, molecular dynamics, and in vitro studies reveal the potential of angiotensin II receptor blockers to inhibit the COVID-19 main protease | https://pubmed.ncbi.nlm.nih.gov/33294721 | Egypt, Libya |
| 8 | FDA-approved drugs with potent in vitro antiviral activity against severe acute respiratory syndrome Coronavirus 2 | https://pubmed.ncbi.nlm.nih.gov/33291642 | Egypt, Lebanon |

9	COVID-19 in children with cancer: a single low-middle income center experience	https://pubmed.ncbi.nlm.nih.gov/33290293	Egypt
10	COVID-19 transient snoring (CVTS): clinical and laboratory description	https://pubmed.ncbi.nlm.nih.gov/33289127	Egypt
11	Potential use of antigen-based rapid test for SARS-CoV-2 in respiratory specimens in low-resource settings in Egypt for symptomatic patients and high-risk contacts	https://pubmed.ncbi.nlm.nih.gov/33283230	Egypt
12	COVID-19: threat or opportunity?	https://pubmed.ncbi.nlm.nih.gov/33306892	Iran
13	Cleft and COVID-19 pandemic; the controversial aspects of social distancing	https://pubmed.ncbi.nlm.nih.gov/33306644	Iran
14	Investigating the factors affecting the survival rate in patients with COVID-19: a retrospective cohort study	https://pubmed.ncbi.nlm.nih.gov/33306063	Iran
15	Ethical considerations and interdisciplinary approach to research on COVID-19 pandemic: the response of Iran University of Medical Sciences	https://pubmed.ncbi.nlm.nih.gov/33306052	Iran
16	Resilient urban form to pandemics: lessons from COVID-19	https://pubmed.ncbi.nlm.nih.gov/33306051	Iran

17	Thermal inactivation of COVID-19 specimens improves RNA quality and quantity	https://pubmed.ncbi.nlm.nih.gov/33305832	Iran
18	The index case of COVID-19 in Northeastern Iran	https://pubmed.ncbi.nlm.nih.gov/33305558	Iran
19	COVID-19; virology, biology and novel laboratory diagnosis	https://pubmed.ncbi.nlm.nih.gov/33305456	Iran
20	Physicochemical susceptibility of SARS-CoV-2 to disinfection and physical approach of prophylaxis	https://pubmed.ncbi.nlm.nih.gov/33305015	Iran
21	Some at risk for COVID-19 are reluctant to take Precautions, but others are not: a case from rural in Southern Iran	https://pubmed.ncbi.nlm.nih.gov/33304873	Iran
22	Predictors of adverse in-hospital outcome and recovery in patients with diabetes mellitus and COVID-19 pneumonia in Iraq	https://pubmed.ncbi.nlm.nih.gov/33296788	Iraq
23	A comprehensive review of histopathological findings of infections induced by COVID-19	https://pubmed.ncbi.nlm.nih.gov/33287945	Iraq, Saudi Arabia, Iran
24	Comprehensive structural and molecular comparison of spike proteins of SARS-CoV-2, SARS-CoV and MERS-CoV, and their interactions with ACE2	https://pubmed.ncbi.nlm.nih.gov/33302501	Jordan

25	The perception of nurses towards their roles during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33296522	Jordan
26	Evaluation of the binding affinity of anti-viral drugs against main protease of SARS-CoV-2 through a molecular docking study	https://pubmed.ncbi.nlm.nih.gov/33292147	Jordan
27	An updated review on SARS-CoV-2 main proteinase (MPro): protein structure and small-molecule inhibitors	https://pubmed.ncbi.nlm.nih.gov/33292134	Jordan
28	Chest CT scan features from 302 patients with COVID-19 in Jordan	https://pubmed.ncbi.nlm.nih.gov/33288999	Jordan
29	Association of death anxiety with spiritual well-being and religious coping in older adults during the COVID-19 pandemic	https://pubmed.ncbi.nlm.nih.gov/33284402	Jordan, United Arab Emirates
30	Successful flattening of COVID-19 epidemiological curve in Jordan	https://pubmed.ncbi.nlm.nih.gov/33282214	Jordan
31	Public perceptions about pharmacists' role in prescribing, providing education and delivering medications during COVID-19 pandemic era	https://pubmed.ncbi.nlm.nih.gov/33280210	Jordan
32	Fear of COVID-19 and stigmatization toward infected people among Jordanian people	https://pubmed.ncbi.nlm.nih.gov/33280204	Jordan
33	COVID-19 convalescent plasma treatment of moderate and severe cases of SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/33285283	Kuwait

	infection: a multicenter interventional study		
34	Seroprevalence of SARS-CoV-2 in migrant workers in Kuwait	https://pubmed.ncbi.nlm.nih.gov/33283232	Kuwait
35	A comprehensive guide to the pharmacologic regulation of angiotensin converting enzyme 2 (ACE2), the SARS-CoV-2 entry receptor	https://pubmed.ncbi.nlm.nih.gov/33275999	Kuwait, United Arab Emirates
36	Reply to vitamin D deficiency in COVID-19: mixing up cause and consequence	https://pubmed.ncbi.nlm.nih.gov/33301775	Lebanon
37	COVID 19 myocarditis: myth or reality?	https://pubmed.ncbi.nlm.nih.gov/33299786	Morocco
38	Hydroxychloroquine and azithromycin as a treatment of COVID-19: electrocardiogram variability	https://pubmed.ncbi.nlm.nih.gov/33299775	Morocco
39	Preventing Acute Respiratory Distress Syndrome (ARDS) and to avoiding intubation in patients with COVID-19: an experience from a reanimation service in Morocco	https://pubmed.ncbi.nlm.nih.gov/33294107	Morocco
40	Blood Cell Anomalies in COVID-19	https://pubmed.ncbi.nlm.nih.gov/33283491	Morocco
41	Managing cancer care during the COVID-19 pandemic: brief report from a North African single center	https://pubmed.ncbi.nlm.nih.gov/33282082	Morocco
42	Dynamic and evolving response of pediatric medical emergencies in Rabat during the	https://pubmed.ncbi.nlm.nih.gov/33282071	Morocco

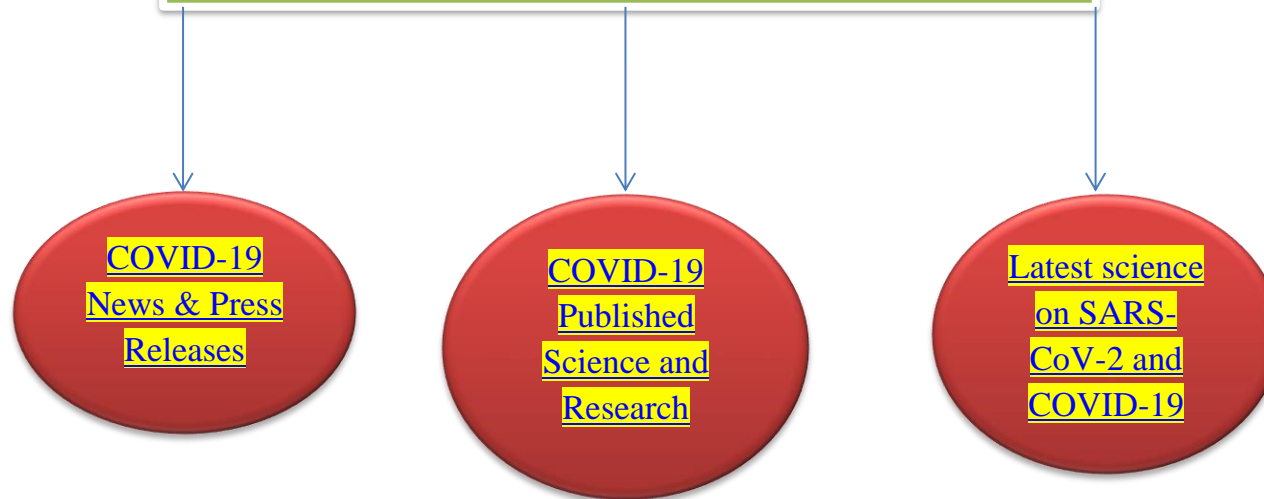
COVID-19 pandemic

43	Delayed hypersensitivity as a pathophysiological mechanism in cutaneous lesions due to SARS-CoV-2	https://pubmed.ncbi.nlm.nih.gov/33282070	Morocco
44	Elevated levels of D-dimer in patients with COVID-19: prognosis value	https://pubmed.ncbi.nlm.nih.gov/33282060	Morocco
45	A review of the prevalence of COVID-19 in the Arab world	https://pubmed.ncbi.nlm.nih.gov/33296334	Oman
46	Sociodemographic determinants of COVID-19 incidence rates in Oman: geospatial modelling using multiscale geographically weighted regression (MGWR)	https://pubmed.ncbi.nlm.nih.gov/33288993	Oman, Egypt
47	Knowledge, attitudes, and practices against the growing threat of COVID-19 among medical students of Pakistan	https://pubmed.ncbi.nlm.nih.gov/33306712	Pakistan, Saudi Arabia
48	Evaluating antibody response pattern in asymptomatic virus infected pregnant females: human well-being study	https://pubmed.ncbi.nlm.nih.gov/33288976	Pakistan, Saudi Arabia
49	Prediction of putative epitope-based vaccine against all Corona virus strains for Chinese population: approach toward development of vaccine	https://pubmed.ncbi.nlm.nih.gov/33295677	Pakistan

50	COVID-19 and tuberculosis overlapping epidemics: a holistic review from Pakistan	https://pubmed.ncbi.nlm.nih.gov/33295641	Pakistan
51	Pharmacy services during COVID-19 pandemic: experience from a tertiary care teaching hospital in Pakistan	https://pubmed.ncbi.nlm.nih.gov/33292772	Pakistan
52	Artificial intelligence in the fight against COVID-19: a scoping review	https://pubmed.ncbi.nlm.nih.gov/33284779	Qatar
53	Spectrum of neuroimaging findings in COVID-19	https://pubmed.ncbi.nlm.nih.gov/33305996	Qatar
54	Predictors of misconceptions, knowledge, attitudes, and practices of COVID-19 pandemic among a sample of Saudi population	https://pubmed.ncbi.nlm.nih.gov/33296420	Saudi Arabia, Pakistan
55	Knowledge and practice of personal protective measures during the COVID-19 pandemic: a cross-sectional study in Saudi Arabia	https://pubmed.ncbi.nlm.nih.gov/33306718	Saudi Arabia
56	Natural products homoharringtonine and emetine alkaloids for SARSCoV-2 treatment options	https://pubmed.ncbi.nlm.nih.gov/33302852	Saudi Arabia
57	Knowledge, attitude and practice regarding COVID-19 among Sudanese population during the early days of the pandemic: online cross-sectional survey	https://pubmed.ncbi.nlm.nih.gov/33283079	Sudan

58	Sedentary behavior, exercise and COVID-19: immune and metabolic implications in obesity and its comorbidities	https://pubmed.ncbi.nlm.nih.gov/33305550	Tunisia
59	Hydroxychloroquine-induced premature ventricular contractions in a patient with COVID-19 disease	https://pubmed.ncbi.nlm.nih.gov/33302702	Tunisia
60	Hybrid-COVID: a novel hybrid 2D/3D CNN based on cross-domain adaptation approach for COVID-19 screening from chest X-ray images	https://pubmed.ncbi.nlm.nih.gov/33301073	Tunisia
61	Three COVID-19 cases with a long-term viral shedding period in Tunisia	https://pubmed.ncbi.nlm.nih.gov/33282072	Tunisia
62	Combination of obesity and co-morbidities leads to unfavorable outcomes in COVID-19 patients	https://pubmed.ncbi.nlm.nih.gov/33293887	United Arab Emirates, Oman
63	Silybin B and cyanidanol inhibit M pro and spike protein of SARS-CoV-2: evidence from in silico molecular docking studies	https://pubmed.ncbi.nlm.nih.gov/33302853	United Arab Emirates, Saudi Arabia
64	Healthcare workers' knowledge, preparedness, counselling practices, and perceived barriers to confront COVID-19: a cross-sectional study from a war-torn country, Yemen	https://pubmed.ncbi.nlm.nih.gov/33306750	Yemen

Websites to get Coronavirus updates



Note: You may double click on each of the circles to get access to data.

New Findings

[Researchers use 'big data' approach to identify melatonin as possible COVID-19 treatment](#)

A new study suggests that melatonin, a hormone that regulates the sleep-wake cycle and is commonly used as an over-the-counter sleep aid, may be a viable treatment option for COVID-19.

[Research reveals how COVID-19 affects the eyes](#)

Sore eyes are the most significant vision-based indicator of COVID-19, according to new research.

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