

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter

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What have EMGEN member countries
achieved in the research areas?

No	Article	Link	Country
1	Epidemiological study of sausage in Algeria: Prevalence, quality assessment, and antibiotic resistance of <i>Staphylococcus aureus</i> isolates and the risk factors associated with consumer habits affecting foodborne poisoning.	https://www.ncbi.nlm.nih.gov/pubmed/31641303	Algeria

2	Alkaloids and sesquiterpenes from roots and leaves of <i>Lycium europaeum</i> L. (Solanaceae) with antioxidant and anti-acetylcholinesterase activities.	https://www.ncbi.nlm.nih.gov/pubmed/31542954	Algeria
3	Retrospective study of the reproductive performance of Barb and Thoroughbred stallions in Algeria.	https://www.ncbi.nlm.nih.gov/pubmed/31528044	Algeria
4	Short-term aromatase inhibition induces prostatic alterations in adult wistar rat: A biochemical, histopathological and immunohistochemical study.	https://www.ncbi.nlm.nih.gov/pubmed/31522738	Algeria
5	Increased Expression of Meteorin-Like Hormone in Type 2 Diabetes and Obesity and Its Association with Irisin.	https://www.ncbi.nlm.nih.gov/pubmed/31635130	Kuwait
6	Palmitic acid-induced lipotoxicity promotes a novel interplay between Akt-mTOR, IRS-1, and FFAR1 signaling in pancreatic β -cells.	https://www.ncbi.nlm.nih.gov/pubmed/31426858	Kuwait
7	Reduced miR-181d level in obesity and its role in lipid metabolism via regulation of ANGPTL3.	https://www.ncbi.nlm.nih.gov/pubmed/31413305	Kuwait
8	Higher Levels of ANGPTL5 in the Circulation of Subjects With Obesity and Type 2 Diabetes Are Associated With Insulin Resistance.	https://www.ncbi.nlm.nih.gov/pubmed/31396158	Kuwait
9	The hypertensive potential of estrogen: An untold story.	https://www.ncbi.nlm.nih.gov/pubmed/31629918	Lebanon
10	Pre-Transplantation Assessment of BK Virus Serostatus:	https://www.ncbi.nlm.nih.gov/pubmed/31629918	Lebanon

	Significance, Current Methods, and Obstacles.	d/31615131	
11	Temporin-SHa and Its Analogs as Potential Candidates for the Treatment of <i>Helicobacter pylori</i> .	https://www.ncbi.nlm.nih.gov/pubmed/31614561	Lebanon
12	Loss of ferrochelatase is protective against colon cancer cells: ferrochelatase a possible regulator of the long noncoding RNA H19.	https://www.ncbi.nlm.nih.gov/pubmed/31602323	Lebanon
13	Comparative Analysis of Midgut Regeneration Capacity and Resistance to Oral Infection in Three Disease-Vector Mosquitoes.	https://www.ncbi.nlm.nih.gov/pubmed/31601867	Lebanon
14	HPLC-DAD analysis, antioxidant and protective effects of Tunisian <i>Rhanterium suaveolens</i> against acetamiprid induced oxidative stress on mice erythrocytes.	https://www.ncbi.nlm.nih.gov/pubmed/31637808	Tunisia
15	From flasks to single used bioreactor: Scale-up of solid state fermentation process for metabolites and conidia production by <i>Trichoderma asperellum</i> .	https://www.ncbi.nlm.nih.gov/pubmed/31454983	Tunisia

Conferences and Meetings on Biotechnology

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graph TD; A[Conferences and Meetings on Biotechnology] --> B[First National Conference on Biological and Chemical Science and Technology Innovation of Iran]; A --> C[8th National Seminar on Genetic Counseling and Prevention of Disability]; A --> D[World Biotechnology Congress 2020]
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[First National Conference on Biological and Chemical Science and Technology Innovation of Iran](#)

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[World Biotechnology Congress 2020](#)

1.

New Findings

[Bioprinting: Living cells in a 3D printer](#)

A high-resolution bioprinting process has been developed: Cells can now be embedded in a 3D matrix printed with micrometer precision -- at a printing speed of one meter per second, orders of magnitude faster than previously possible. Tissue growth and the behavior of cells can be controlled and investigated particularly well by embedding the cells in a delicate 3D framework. This is achieved using so called 'bioprinting' techniques.

[Koala epidemic provides lesson in how DNA protects itself from viruses](#)

In animals, infections are fought by the immune system. Studies on an unusual virus infecting wild koalas reveal a new form of 'genome immunity.'

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