

# Research projects 2020

<b>Bacteriology</b>	
<b>1</b>	<b>A Clinical Prediction Model to Assess Risk for Chemotherapy-induced Neutropenic Enterocolitis in cancer patients</b>
<b>2</b>	<b>Comparison of carbapenem resistance genes KPC, VIM, IMP, NDM, IMI, GIM and OXA-41 Frequency by Multiplex-PCR and detect of carbapenem resistance gene group by flow cytometry as a fast and new method and also Evaluation of expression rate of these genes through real-time PCR in Klebsiella pneumonia samples Isolated from patients admitted to Faghihi and Namazi hospitals in Shiraz</b>
<b>3</b>	<b>Prevalence and risk factors for lymphocytic choriomeningitis virus infection in southern Iran</b>
<b>Virology</b>	
<b>1</b>	<b>Prevalence of SARS-Cov2 virus in medical staff of Kohgiluyeh and Boyer-Ahmad Province hospitals from the beginning of the pandemic date</b>
<b>2</b>	<b>The delivery of curcumin to the brain cancer cell line A172 by a new nanogel system based on lignin biopolymer</b>
<b>3</b>	<b>ARS-CoV-2 genomes characterization and Phylogenetic analysis in IRAN</b>
<b>4</b>	<b>Prevalence of covid-19 infection in the children under 18 years old provinces referred to hospitals in Fars andKohkilouyeh-boyer-ahmad during 2020-2021</b>
<b>5</b>	<b>Designing and development of colorimetric sensors for COVID-19 detection based on exhaled volatile organic compounds</b>
<b>6</b>	<b>Evaluation of the incidence of Coronavirus (SARS-CoV2) and Enterovirus infection in Cerebrospinal fluid samples in hospitalized patients</b>
<b>7</b>	<b>Evaluation of efficacy and side effects of Covid-19 vaccination(Sinofarm) in patients with hypothyroidism or hyperthyroidis</b>

8	Evaluation of immune status induced followed by SARSCoV2 vaccination(Sinofarm) and safety issues in Iranian Multiple Sclerosis affected patient
9	evaluation of viremia level in children with COVID-19 admitted to namazee hospital and its relationship with disease severity
10	Torsion of the appendix testis as an unusual presentation of multi inflammatory system in children ( MIS-C ) associated with SARS-C0V2, A case report
11	Evaluation of EBV and CMV viral loads in salvia samples of crown lengthening surgery patients using Real Time PCR
<b>Immonology</b>	
1	Assessment of SARS-CoV-2 mutation and polymorphisms of IL-6, IL-10 TGF- and NLRP3 in infected health care worker in post vaccination era.
2	Evaluation of polymorphisms in IL-6 -IL-10, TGF--NLRP3 -TNF- host genes and mutations in RBD virus gene in severity of clinical symptoms in children under 18 years of age admitted to Covid-19 disease in Namazi Hospital
3	Evaluation of antibody response after Covid-19 vaccination in age groups 18-70 years
4	ارزیابی ایمنی زایی کاندید واکسن مولتی اپی توپی جدید علیه ویروس HTLV-1 برای تحریک پاسخ ایمنی سلولی و مخاطی
<b>Mycology</b>	
1	Epidemiology of CYP2C19-2, CYP2C19-3 and CYP2C19-17 genotypes polymorphism in pediatric patients with leukemialymphoma in Amir Medical Oncology Center and clinical influence of different CYP2C19 phenotypes on the cure rate for invasive aspergillosis treated with voriconazole