

Ministry of Higher Education & Scientific Research

1. Title of PhD research proposal:The Study of Some Physiological and Biomarkers parameters in Vaccinated unvaccinated SARS-Covid 19 Patients in Erbil City2. General informationName and surname of the supervisor 1Scientific titleProf. Dr.Nadir Mustafa Qadir NanakaliScientific titleProfessorE-mailMobile07504781809DepartmentBiologyCollege / facultyEducation	PhD Research Proposal	
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2. Summary (Abstract) of PhD research proposal

Since the emergency of the novel coronavirus disease (COVID-19) that is caused by SARS-Cov-2 in 2019, researchers have been on the move to find solutions to mitigate the spread of the virus. Various research efforts have been geared towards developing vaccines for active immunization to prevent COVID-19 infection among them AstraZeneca vaccine, Sinopharm vaccine and Pfizer vaccine (Halim M, 2021)(Tavilani A. et al, 2021). This work aimed for adding the knowledge of the physiological effects of coronavirus on unvaccinated patients. It also summarizes the some physiological and biomarkers in Vaccinated patients who take different kinds of vaccines.