

# SID



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بلاگ  
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## کارگاه های آموزشی مرکز اطلاعات علمی



توسعه آموزش  
آموزش مهارت های کاربردی در تدوین و چاپ مقالات ISI

آموزش مهارت های کاربردی  
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توسعه آموزش  
روش تحقیق کمی

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توسعه آموزش  
آموزش نرم افزار Word برای پژوهشگران

آموزش نرم افزار Word  
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## The Importance of Health Security and the Role of the Laboratory in Public Health Security

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The topic “human security” in today’s world and human being’s life has a specific status that the development of countries whether poor or rich depends on it. The various aspects of human security such as social, political and economic security have been always considered and continuously been scrutinized. But nowadays another aspect of human security has been developing day by day and its importance has been dominating more and more. The so-called aspect is “health security”. We are living in a world that health security has been severely at jeopardy during the recent years and decades and also been regarded magnificently. The health scientists believe that during human life, the health security has never been threatened this much. The growing world population, increasing irregular urbanization in the cities with low-level facilities, turmoil in different regions in the world, the ever-increasing exigencies, and climate changes, etc. are the risks which jeopardize the health security of human beings. Health security of human beings related to a city, a province or a country is connected to the whole world. A contagious disease or a terrorist incident can pass through a number of continents in a few days and not only give shock to health systems but also paralyzed and disable them and threaten numbers of human beings’ lives. This has happened over and over in human history. In this recent century epidemics such as Influenza, SARS, Ebola, COV, MERS and the latest virus ZIKA are as such and all of them alone have shown that how weak and inefficient is the health security system to confront, anticipate and prevent these situations. On the other hand, these epidemics always have reminded the health security system another point and which is political elasticity i.e. the high political commitment during these exigencies but at the end of the day most of the priorities are bound to be forgotten. By the way, what we consider seriously as the strategies of the health security in the world are as follows: 1-The existence of national biosecurity system to take care of dangerous pathogenic factors 2-The existence of a powerful system of biosafety and biosecurity 3- Creating a consistent laboratory network with the modern equipment that covers at least 80 % of the country 4- Reinforcing educational programs such as field epidemiology and its connection with laboratory system 5- The vital role of laboratories to confront the emergencies (the country and thus laboratory system should be ready to act within 120 minutes from the beginning of the emergency outbreak) 6-Taking specific locations and populations into consideration 7- The important topic of antimicrobial resistance and its ever-increasing importance 8- Non-standard diagnostic equipment, methods and kits

Actions 1- Integrating the country’s early warning surveillance system (syndromic surveillance system) with the laboratory surveillance system and pilot statistics in a province. 2- It enables the laboratory system to act quickly after the warning of syndrome system and to identify the pathogenic factors that have created the considered syndromes. 3- The neck and neck co-ordination and co-operation of the disease management center with the laboratories to reach the consistent network and continuing collaboration after that. 4-The present system serves diarrhea and chronic respiratory disease that will develop into 14 syndromes very soon.

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