

Title	DETECTION OF BACTERIAL PATHOGENS IN POMEGRANATE ORCHARDS IN ANTALYA PROVINCE AND DETERMINATION OF THEIR CONTROL POSSIBILITIES
Number	TAGEM-BS-12/08-09/02-25
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Abstract: In recent years, symptoms of the disease estimated that may have caused bacterial factor / factors are seen in pomegranate production areas. Information about what shall be this/these factor/factors and how shall be eliminate against them is requested by pomegranate growers. The survey studies will be perform at pomegranate production areas determined at Antalya and its districts in this study. Bacterial agent / agents will be isolate from the samples that will be collect according to purposive sampling method, pre-diagnostics will make through microbiologic methods (isolation, pathogenity tests, gram reaction, biochemically tests etc.) and then molecular diagnostics will make for determined factors.

As a result of these studies: (i) Disease factors will be determine and the lack of information in this subject in current will be resolve, (ii) it will basis for the management activities will be support. Project will perform at Plant Protection Clinical and Research Laboratories of Batı Akdeniz Agricultural Research Institute. It's expected that the project will take 36 months.

Key words: Pomegranate, *Punica granatum*, bacteria, disease, diagnosis, detection, *gyrB* gene