In this project, an electrospun wound filler material for use in active wound therapy was aimed. This materials is going to be used in slow healed and recurrent wounds such as diabetic and cronic wound. Synthetic biocompatible, biodegradable and bioactive polymer such as poly(vinyl alcohol) and naturally derived biopolymers such as gelatine is going to be processed to form nanofibers. This wound filler material was expected to have application area in the negative pressure wound therapy.