

## عنوان مقاله:

Investigation of Alzheimer's disease, focusing on memory and biodelivery of nerve growth factors

## محل انتشار:

سومین کنفرانس بین المللی پژوهش ها و دستاوردهای نو در علوم، مهندسی و فناوری های نوین (سال: 1402)

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## خلاصه مقاله:

Alzheimer's disease is a progressive neurological disorder associated with abnormal protein modification, inflammation, and memory impairment. Amyloid beta and phosphorylated tau proteins are medical diagnostic features. Various reports associate the progression of the disease with a decrease in the activity of cholinergic neurons in the brain. The neurotrophic molecule, nerve growth factor, plays an important role in maintaining the integrity and function of cholinergic neurons, both during development and in adulthood. Numerous studies have also shown that nerve growth factor contributes to the survival and regeneration of neurons during aging and in age-related diseases such as Alzheimer's disease. Progressive dysregulation of neurotrophic factors such as nerve growth factor and brain-derived neurotrophic factor has been reported during disease progression, thus further research targeting these factors as disease-modifying therapies against the disease has intensified. Effective long-term treatment to reduce cognitive impairment is a major unmet need. In summary, the purpose of this review is to describe the available experimental and clinical data related to the treatment of Alzheimer's disease, to obtain facts related to the importance of nerve growth factor for treatment.

## کلمات کلیدی:

nerve growth factor, brain, techniques, methods, Alzheimer's disease

## لینک ثابت مقاله در پایگاه سیویلیکا:

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