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Shantia Yarahmadian* (syarahmadian@math.msstate.edu), **Hadi Khani** and **Eda Asili**. *A Mathematical Modeling for Alzheimer's disease and its Treatment Based on the Metal Hypothesis.*

A mathematical model for studying Alzheimer's disease focusing on the formation of Amyloid beta fibrils aggregation in the in the presence of metal ions with a treatment based on chelating agent is presented. (Received September 16, 2013)