



Neuroprotective, lifespan and memory enhancing potential of MS-1 compound from Curculigo orchoides Gaertn. Rhizome: A study on Alzheimer's disease models of APPL/GAL-4 D. melanogaster

Pratap G.K

Department of Studies & Research in Biochemistry Mangalore University, India

Curculigo orchoides Gaertn., is commonly known as *Kali Musli* or golden grass which are extensively utilized as a nutritive tonic for strength and for treatment of asthma, skin diseases, neurodegenerative diseases, bronchitis, diarrhoea, dyspepsia, etc., AD (Alzheimer's disease) is one of the most common age-related neurodegenerative diseases. Among today's world population, around 33.9 million people have been affected with AD, and it will be triple over the next 40 years. The main characteristic feature of AD is the gradual decline of a person's memory and ability to learn, reason and difficulty to carry out daily activities due to the accumulation of A β 42 (amyloid-beta 42) plaques in the neurons. These amyloid-beta 42 plaques trigger oxidative stress and abnormal signalling in the neuron. Acetylcholinesterase (AChE) is an enzyme involved in non-cholinergic and cholinergic in both the



Cancer cell specific cytotoxic potential of the silver nanoparticles synthesized using the endophytic fungus, *Penicillium citrinum* CGJ-C2, Characterization, cytotoxic and antioxidant potential of silver nanoparticles biosynthesised using endophytic fungi (*Penicillium citrinum* CGJ-C1)

My Ph.D. thesis entitled Targeting Acetyl Cholinesterase for Neurodegenerative diseases by Plant isolates I have research experience from February to till date, this year I am completing my Ph.D. I am published six research articles in international and national journals, one review article and one book chapter. Experimental skills on

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