

GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES
(Autonomous)
MVP COLONY, VISAKHAPATNAM-17

Name of the Employee : P.D.LAVANYA
(Capital Letters)
Designation : Assistant Professor in Physics



Department in which working : PHYSICS

Date of birth : 1-12-1971

Date of first appointment : 7-7-1997 worked for 9 yrs i.e., till August 2006 and again
rejoined in October 2009

Educational Qualifications:

Name of the degree	Marks (%)	University	Year of passing
M.Sc.	60.5%	Andhra University	1995
Ph.D		Andhra University	2015

Experience (Total) :27 years

About My Research:

My thesis is concerned with trace elemental analysis of blood serum samples of patients afflicted with Parkinson's disease and Alzheimer's disease using inductively coupled plasma mass spectroscopy. Inductively Coupled Plasma – Mass Spectrometry (ICP-MS) is a multi-element analytical technique that uses a plasma source to dissociate the sample into its constituent atoms. Ph.D degree was awarded by Andhra University in partial fulfillment for the award of Degree of Doctor of Philosophy in Nuclear Physics March 2015.

List of Research Publications:

1. TRACE ELEMENTAL ANALYSIS OF BLOOD SERUM SAMPLES OF PATIENTS

AFFLICTED WITH PARKINSON'S DISEASE Int. J.Bioassays, 2014, 3(3), 1858-1865

<https://www.ijbio.com/abstract/trace-elemental-analysis-of-blood-serum-samples-of-patients-afflicted-with-parkinsons-disease-13795.html>

2. Trace element imbalances in blood serum of Alzheimer's disease patients (2021): Trace element imbalances in blood serum of Alzheimer's disease patients, Spectroscopy Letters, DOI: 10.1080/00387010.2021.1941124

To link to this article: <https://doi.org/10.1080/00387010.2021.1941124>

3. An Investigation of Elastic properties of $\text{Ca}_{0.1}\text{Sr}_{0.9}\text{Bi}_{1.9}\text{Nd}_{0.1}\text{Ta}_2\text{O}_9$ by Ultrasonic Velocity.

National Conference on Design Thinking -2023

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