

PROFILE

Dr. Lekshmi Vijayanathan

MSc, PhD

Vijayasree, CSM Nagar 1(3)

Edapazhanji, Sasthamangalam , P.O 695010

Trivandrum , Kerala, India

+9 9495625827

lekshmivijay@yahoo.com

Profession

Head , Department of Biochemistry

Emmanuel College, Vazhichal, Trivandrum

Qualification

PhD in Biochemistry from Department of Biochemistry, University of Kerala

MSc Zoology from Women's college ,University of Kerala

Research Experience

Eight years research experience in the field of Biochemistry. Thesis work focuses on the biogenic amine viz. Serotonin, Dopamine, Histamine. Epinephrine and Norepinephrine in the bovine filarial parasite Setaria digitata. Occurrence, distribution, formation of biogenic amines, aminoacids and enzymes were studied. Pharmacological studies using carbamazepine citrate, one of the popularly used drug on the parasite and proxy host mice were conducted.

Neurotransmitters that had an effect on the neuromuscular systems were also identified.

Teaching expertise

5 years teaching experience in the PG department of Biochemistry, MGR college Housur

3 years of teaching experience ,in Govt. Women's college , Trivandrum

22 years of teaching experience in Emmanuel college, Vazhichal .

List of publications

1. Effect of Diethyl carbamazine citrate on neurotransmitter aminoacids, biogenic amines and certain related enzymes in *Setaria digitata*.
Lekshmi Vijayanathan & R. Kaleysa Raj
Indian journal of experimental biology vol 29 pp 169-172
2. Effect of diethyl carbamazine citrate in levels of acetylcholine AND GABA in *Setaria digitata*.
Lekshmi Vijayanathan & R. Kaleysa Raj
Indian journal of experimental biology vol.30 pp 920- 922.
3. Changes in the level of biogenic amines in proxy host mice
Lekshmi Vijayanathan & R. Kaleysa Raj
Journal of communicable diseases Vol .24(1) 37-41

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