

Staff Profile: Dr. M. D. Lakshmi Priya

1. Name : Dr. M. D. Lakshmi Priya
2. Designation : Assistant Professor
3. Qualification : M.Sc., M.Phil., Ph.D., SET
4. Mobile number : 8489339898
5. E-mail id : lakshmipriyabiochem@auxiliumcollege.edu.in
lakshmipriya.damodaran@gmail.com
6. Teaching Experience : 9 years
Theivanai Ammal College, Villupuram – 1 yr
Adhiparasakthi College, Kalavai – 3 yrs
KMG College, Gudiyattam – 2 yrs
7. Area of specialization : Neurodevelopmental disorder (Autism),
Nanoparticles in drug delivery,
Phytochemicals and therapeutic applications,
Diabetes mellitus
8. No. of Papers Published : 14
9. No. of Books Edited : 02
10. Responsibilities held : Entrepreneurial club co-ordinator
11. Current Responsibilities :
 - Dean of Science
 - NIRF co-ordinator
 - Curriculum development cell
 - Planning and Evaluation committee (College council)
 - Students Grievance Redressal committee
 - Code of conduct committee
 - Antiragging committee
 - Committee for extension services, students welfare and co-curricular activities
 - Library advisory committee
12. Membership in professional bodies : UG Evaluation Board, Thiruvalluvar
(Descriptive) University, Serkad, Vellore
13. Other bodies (Descriptive) : Life time membership: Society for Chemistry

and synthetic biology, Vellore

Membership: International Eco club Student
& Staff Chapter, National Science foundation
(NSF), Coimbatore, Tamil Nadu.

PUBLICATIONS

Publications in Journals

1. Geetha A, **Lakshmi Priya MD**, Annie Jeyachristy S and Surendran R. Level of 2 oxidative stress in the red blood cells of patients with liver cirrhosis. *Indian Journal of Medical Research*, ISSN- 0971-5916, 2007, Vol. 126, pp 204-210.
2. **Lakshmi Priya MD** and Geetha.A. Level of trace elements (copper, zinc, magnesium and selenium) and toxic elements (lead and mercury) in the hair and nail of children with autism, *Biological Trace Element Research*, ISSN- 0163-4984 August 2011, Vol. 142, Issue 2, pp 148-58.
3. **Lakshmi Priya MD** and Geetha.A. A biochemical study on the level of proteins and their percentage of nitration in the hair and nail of autistic children, *Clinica Chimica Acta*, ISSN - 0009-8981, 2011, Vol. 412, pp 1036-1042.
4. **Lakshmi Priya MD** & Geetha A. Urinary oxidative stress markers in children with autism. *Redox Report*, ISSN- 1351-0002, 2011; Vol. 16, Issue 5, pp 216-222.
5. **M.D. Lakshmi Priya**, A. Geetha, V. Suganya & S. Sujatha. Abnormal circadian rhythm and cortisol excretion in autistic children – a clinical study. *Croatian Medical Journal* 2013; 54(1): 33-41.
6. Suganya V, UmaShangeetha Priya D, **Lakshmi Priya MD**, Geetha A & Sujatha S. Analysis of salivary components to evaluate the pathogenesis of autism in children. *Asian Journal of Pharmaceutical and Clinical Research*, ISSN - 2455-3891, 2014, Vol. 7, Issue 4, pp 205 – 211.
7. Kanagavalli U, Mohamed Sadiq A and **Lakshmi Priya MD**. Historical review of Indian divine herb *Boerhavia diffusa* Linn and its medicinal importance. *World Journal of Pharmacy and Pharmaceutical Sciences*, ISSN- 0975-7538, 2018, Vol. 7, Issue 9, pp 577 – 594.
8. Kanagavalli U, Mohamed Sadiq A and **Lakshmi Priya MD**. The comparative preliminary phytochemical investigation, TLC analysis and antioxidant activity of different solvent extracts of *Boerhavia diffusa* Linn. *International journal of Research in Pharmaceutical sciences*, ISSN- 0975-7538, 2018, Vol. 10, Issue 1, pp 245- 256.
9. Kanagavalli U, Mohamed Sadiq A and **Lakshmi Priya MD**. In vitro cytotoxicity and antioxidant study of different extracts of *Boerhavia diffusa* Linn I cardiac H9c2 cell line. *International Journal of Pharmacy and Biological Sciences*, ISSN- **2321-3272**, December 2018; Vol. 8, Issue 4, pp 1099 – 1103.
10. Sivasankari S, **Lakshmi Priya MD**, Perm Kumar S and Anooj ES. A biochemical study on the phytochemical constituents, antioxidant status and cytotoxic effect

(Breast cancer cell line – MCF-7) of Chia seed extract. *Plant archives*, ISSN: 0972-5210, 2020; Vol. 20, Issue 2, pp 8586-8588.

11. Keshav Kumar K, **Lakshmi Priya MD**, Pavithra G, Sabarinathan G and Balamuralitharan S. Second Wave on Indian Covid-19 Pandemic Vaccination Strategy outbreak and Oxygen Crisis with Mathematical Models. *Annals of R.S.C.B.*, ISSN:1583-6258, 2021, Vol. 25, Issue 5, Pages. 3763 – 3776.
12. Kanagavalli U, Deboral E, **Lakshmi Priya MD**, Mohamed Sadiq A and Mohana Priya A. In silico Molecular Docking of Anthraquinone Identified from *Boerhavia diffusa* Linn against Bax and Bcl-2 Gene, *Journal of Pharmaceutical Research International*, ISSN 2456-9119, December 2021, Vol. 33, Issue (57A), pp 352-359.
13. Mathang, Nalini D, Ponnulakshmi R, Monisha P, **Lakshmi Priya MD**, Selvaraj J, Prasannakumar M, Naveen Chander K. Chemo-Preventive Effect of 1-Piperoyl Piperidine (Piperine) is Mediated Through Intrinsic Signaling Mechanisms in Human Prostate Cancer Cells (Pc-3) In Vitro, *Angiotherapy*, ISSN 2207-8843, December 2021. <https://doi.org/10.25163/angiotherapy.52214112308081221>.
14. Sankaran V, Aruliah Rr, Vishnu Priya V, Alaa Yousef Ghidan, Tawfiq M. Antary, Venkatachalam K, **Lakshmi Priya MD**, Vinayagam R, and Ernest D. The pro-apoptotic and cytotoxic efficacy of polydatin encapsulated poly (lactic-co-glycolic acid) (PLGA) nanoparticles, *Process Biochemistry*, ISSN 1359-5113, November 2021, Vol. 111, pp 210 – 218.

FDP's

1. Participated in 5 day online FDP on “Research based teaching – learning, new education policy, research ethics and patent in academics” held from 19th to 23rd September 2023, organised by School of Allied health sciences, Reva University, Bangalore.
2. Participated in FDP on “Instructional strategies for effective teaching” from 28.08.2023 to 01.9.2023 conducted by the Human Resource Development Centre (HRDC), Thiruvalluvar University, Serkkadu, Vellore.
3. Participated and secured A grade in 7 day National level Online Faculty development program on Outcome based education (OBE), organised by Nirmala College, Muvattupuzha from 10th May to 17th May 2023.
4. Participated and completed a two-week online FDP on “LibreOffice suite Writer, Calc & Impress” organized by The Board of Management, Auxilium College (Autonomous), Vellore in association with Spoken Tutorial, IIT Bombay (funded by the NMEICT, MoE, Govt. of India) from 26.05.2022 to 10.06.2022.

Workshop

1. Participated in the online workshop “Molecular docking and virtual screening” conducted by the Centre for Postgraduate studies, AIMST University, Malaysia on September 25, 2021.

Webinars

1. Organized an International webinar on “Development of Antibody-based theranostic radiopharmaceuticals for triple negative breast cancer” on 17.08.2023.
2. Resource person in the webinar “*Empowering Girl Child to Ensure Gender Equality*” organised by Event Organising Committee of Theivanai Ammal College for Women (Autonomous) on 27.01.2022.
3. Resource person in 5 day FDP on “Models and tools to advanced electronic teaching and learning program” organized by Internal Quality Assurance Cell (IQAC) & Department of Sciences from 31.08.2021 – 04.09.2021.

BOOKS PUBLISHED

1. AUTHOR for chapter 1 & 5 - Book title: Basics of Biochemistry, Publishers: AIB Saliha Publications. ISBN: 978-93-5279-040-1.
2. EDITOR- Book title: Clinical disorders of Biochemical metabolism, Published by Ryan Publishers. ISBN: 978-81-947191-8-2.