

CURRICULUM VITAE

Name : Dr. D. VARALAKSHMI
Designation : Assistant Professor
Department : Biochemistry
Area of specialization : Hepatotoxicity
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Lawspet, Puducherry-605 008



Academic Qualifications

S.No.	Degree	Specialization	University / Institution	Year of completion
1	B.Sc (Zoology)		Bharathidasan University	April 1996
2	M.Sc (Biochemistry)	“Castration alters the Biochemistry of flank and preputial glands in male albino mouse”	Bharathidasan University	April 1998
3	M.Phil (Biochemistry)	“Biochemical alterations in hepatitis”	Annamalai University	May 2005
4	Ph.D (Biochemistry&Molecular Biology(Hepatotoxicity)	“Effect of wheat grass on hepatotoxicity induced by alcohol and PUFA”	Pondicherry University Dept. of Biochemistry and Molecular Biology	Jan 2016
5			UGC -NET	2003

Employment Profile

S.No	Designation	Employer	From	To
1	Assistant Professor	ADM college for women, Nagapattinam,	Aug 1998	Dec 2000
2	Lecturer	Tiruvalluvar college of arts and Science, Kurinjipadi, Madras University	Jun 2002	Jun 2004
3	Lecturer	PUCC	2004	2013
4	Assistant Professor	PUCC	2013	Till date

Workshops/Seminars/Field Trips organized

S.No.	Event Name	Invitees/venue	Date
1	Field trip	Dept. of CAS Marine Biology, Annamalai University	01.04.2011
2	Seminar – “Prospects and avenues for the Biochemistry students”	Prof. M. Srinivasan, Dept. of CAS Marine Biology, Annamalai University	11.04.2011
3	Seminar – “Approach and attitude to become a young entrepreneur “.	Mr. Thanigaivel Dept. of Bioscience, Pondicherry University Community College.	04.04.2011
4	Seminar – “Newer avenues in Life science Research and Opportunities for you”.	Dr.Hannah Rachel Vasanthi Dept. of Bioscience, Pondicherry University Community College.	05.04.2011
5	Seminar- “Cancer Stem cells”	Dr.C.Thirunavukkarasu Dept. of Biochemistry and molecular Biology, Pondicherry University	09.08.2011
6	Field Trip	PKKV, Ponlait, MSSRF Puducherry	18.08.2011
7	Seminar- “Tissue Culture”	Dr. Sindhu PKKV,Puducherry	16.09.2011
8	Workshops (Mushroom cultivation)	Jc. Ganeche, JCI President, Puducherry	22.09.2011
9	Workshop (Vermicompost)	Jc. Ganeche, JCI President, Puducherry	23.09.2011
10	Seminar-“Food Law, Food Safety and Quality control	Mr.M.Chandrasegara Sastry, Senior food safety officer(Rtd) Puducherry	26.09.2011
11	National Science Day-2012, Paper presentation Skit, Quiz and Puzzles by students	PUC, Puducherry	16.03.2012
12	Seminar	Dr. Sunil Narayanan, HOD, Neurology Dept.,JIPMER.	29.03.2012
13	Industrial Visit	EID Parry (I)Ltd.	02.02.2013
14	Eye Camp (Vasan Eye Care Hospital)	PUC	22.02.2013
15	Health Camp, “Anemia & Diabetic Screening Camp”	PUC	27.02.2013
16	National Science Day -2013 PUC	Dr. Baskaran Associate Professor, BMB, PU	28.02.2013
17	Seminar - “Exploration of Computer Science over Biology- Bioinformatics”	Dr. V. Amouda, Asst. Prof. Centre for Bioinformatics Pondicherry University	11.02. 2014

18	Science Carnival-2016	Department of Biochemistry, PUCC	18.03.2016
19	Field Trip	MSW- Municipal solid waste management and sewage treatment plant, Chennai	22.03.2016
20	Educational Trip BMB & Biotech Lab, PU	Biochemistry Department, PUCC	17.02.2017
21	National Science Day Science Carnival-17: 1. Guest Lecture “What makes Human” 2. Guest Lecture “ Emotional Well Being” 3. Quiz Competition 4. Poster & Paper Presentation	Prof. Dr. A. Chellaperumal, Principal (i/c), PUCC Dept. of Anthropology, PU, Puducherry Dr. K. Mathan, MD., Psychologist, IGGMC & RI, Puducherry	06.03.2017 & 07.03.2017
22	National Science Day Science Carnival-18: 1. Guest Lecture: “Science-Avenue and Opportunities” 2. Poster & Paper Presentation 3. Quiz Competition 4. Debate	Dr. Farzana Begum Team Lead- Biology Dept. of Chegg, Spi Technologies Pvt. Ltd. Kurumbampet, Puducherry-09	16.03.2018

Publications in International Journals

1. **Varalakshmi D**, Garima S, and Rukkumani R*.(2014) Effect of wheatgrass on membrane fatty acid composition during hepatotoxicity induced by alcohol and heated PUFA. *J Membrane Biol.* 247-515-521. DOI 10.1007/s00232-014-9661-0
IF - 2.478
2. **Varalakshmi D**, Muddasarul Hoda, Garima Shakya, Sankar Pajaniradje Preedia Babu, **Rukkumani R***. (2014) Phytochemical screening and analysis of antioxidant properties of aqueous extract of wheatgrass. *Asia Pac J Trop Med* S398-S404. doi: 10.1016/S1995-7645(14)60265-0
IF-1.062
3. **Varalakshmi D**, Garima S, and Rukkumani R*. (2014) Antihyperlipidemic effect of wheatgrass on alcohol and Δ PUFA induced liver toxicity in male albino wistar rats. *Int. J. pharm. pharmaceutic. sci.* 6:547-551 ISSN- 0975-1491
IF- 1.59
4. **Varalakshmi D**, Garima S, and Rukkumani R*.(2014) Hepatoprotective role of wheatgrass on alcohol and Δ PUFA induced oxidative stress in rats. *J. Dietary Suppl.* 1-12 DOI: 10.3109/19390211.2014.902002
IF- 1.90

5. Garima S, **Varalakshmi D**, Muddasarul H, & Rukkumani R*. RP-HPLC analysis and oxidative stress mediated cytotoxic effect of methanol extract of wheatgrass by modulating NrF2 level in Hep-2 cells. International Journal of Pharma Science, 2015; 5:897-903.ISSN:2320-6810

IF-1.04

6. Garima S, Sankar P, Hoda M, **Varalakshmi D**, Rukkumani R*. (2014) American J Phytomed Clin Ther. GC-MS Analysis, In Vitro Antioxidant and Cytotoxic Studies of Wheatgrass Extract. 2: 877-893 ISSN 2321 – 2748

IF - 0.5

International Conferences /Paper Presentation:

- At the International conference on "**Bioactive Phytochemicals and Therapeutics**" at Annamalai University , Chidambaram, April 2013
- At the International conference on "**Phytochemical in Health and Disease: Challenges and Future Opportunities**" January 2013

National Conferences/ Paper Presentation:

- At the National Conference on "**Recent trends in Biotechnology and Microbial Research**" at JJ College Pudukottai, 1998.

Workshops Attended:

	Title of the Professional Development Program			Date &Duration
2011	Workshop on “Research Methodology for Teacher scholars”.UGC – ASC, Pondicherry University			18 – 19 Aug’ 11 (Two days)
<i>S. No</i>	<i>Conference / Seminar attended</i>	<i>Organized by/Invitees/Institution</i>	<i>Date(s)</i>	<i>Details of Participation / Lecture given / Paper or poster Presentation</i>
1	International Conference on “ Natural products and Biomedical Technology”	Dept. of Biochemistry and Biotechnology and Faculty of marine Science, Annamalai University	10 -12 Jan’2011 (Three days)	Attended
2	Seminar – “ Standardization and Scientific validation of	Dept. of Biotechnology, Pondicherry University	03.02.2011	Attended

	herbal drugs – the need of the hour”			
3	National Conference on Nano biotechnology	Women’s Christian College, Nungampakkam, Chennai	10-12.08.2011 (3 days)	Attended
4	National Conference On “Current Scenario And Emerging Trends In Hepatocellular Diseases” Nc-Hepcd-2012	Department Of Biochemistry & Molecular Biology Pondicherry University	05.10.12 & 06.10.12 (2 days)	Attended
5	Indian Science Congress Association (ISCA) Symposium on “Science for Shaping the Future of India”	Pondicherry University (Centre for Bioinformatics) & Indian Science Congress Association (ISCA)	15 th & 16 th March 2013	Attended
6	National Syposium on “Innovations and Advances in Science & Technology”	Pondicherry University (Centre for Bioinformatics) & Indian Science Congress Association (ISCA)	27.02.14	Attended
7	State Level Convention “Viable Business Opportunities & Employability Skills for Biology Professions- Prospective & Strategies”	Biotechnology Department, Acharya Arts & Science College	21& 22.02.2017	Attended
8	National Symposium “Science And Technology For National Development”	ISCA & Centre for Bioinformatics, PU	27.02.2017	Attended
9	National Symposium Bio-gene-sys 2018 On Trend in Biochemistry in post – Genomic Era	Conducted by BMB, Sponsored by DST-SERB & PU	27 th & 28 th Feb 2018	Attended
10	National Symposium “Reaching the Unreached through Science And Technology ”	ISCA & Centre for Bioinformatics, PU	08.03.2017	Attended

Additional information

- External Examiner for Practical sessions in affiliated colleges of Pondicherry University
- Examiner for Central Evaluation, Pondicherry University
- Observer for University Examinations
- Disciplinary committee member, PUCC
- Member of Stock verification committee and admission committee at PUCC
- Organizing various programs for our Biochemistry students (Field trip, seminars, accompanied students to conferences)
- Invitee to BOS for B.Voc Courses – 2013-2015
- Polling officer for the Pondicherry University Students Council Election -2014-2017
- Participated in the Recreation cum competition in games & sports for teaching & non-teaching, 15th April 2014
- Committee member in Marutham Kalaivizha - 2015
- Coordinated and conducted semester end university practical exams for Cardiology, Radiology, Renal, Optometry and Operation theatre technology (2013-2015)
- Pondicherry university entrance (Master and doctorate degree) examination Invigilator
- Member of admission committee for B.Sc Biochemistry
- Member of general College activity committee (Discipline/Grievance/canteen)

Academic Distinction (prize, medal, certificate of merit)

- a) SSLC-School II
- b) B.Sc –First class with distinction and **University 6th rank**
- c) **Passed - “GK& Intelligence test for seniors”** conducted by **Central Institute of GK Learning**

Additional documents to support my candidature

- **Best Student** Award and received medal at School level
- **Secretary** in college union, DGGA.
- First prize **Wild life essay** competition conducted by DGGA
- Passed the examination on **“My experiments with truth”** conducted by Gandhi study centre, Madras.

Service

- Member in the **Rotary club** during college days
- **N.S.S Volunteer** during college days

Arts

- Achieved **best actress** award **twice** in English Drama, conducted at college level
- Prize winner in **Drawing** competition conducted at school and college level

Sports

- Winner in **Chess** competition conducted at school and college level
- Winner in **Volley ball** competition conducted at school and college level
- Winner in **Badminton** (Singles and Doubles) competition conducted at school and college level

- **Personal Details:**

Date of birth : 01.06.1976

Languages known : Tamil, English, Telugu and Hindi

Nationality : Indian

Category : OBC

Religion : Hindu

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