

## Curriculum vitae

**Dr. G.Dhanalakshmi, M.Sc., M.Phil., PhD.,**

No 7, 1st main road, 8th cross,

Rajarajeswari layout,

Nagadevanahalli,

Bangalore 560056.

### **CONTACT DETAILS:**

Mobile: 91+ 9444678608

Email: dhanu.bio@gmail.com

### **Education:**

**Doctor of Philosophy (PhD) in Biochemistry**, from Bharathiar University (**2015**), Coimbatore, Tamil Nadu.

**Master of Philosophy (M.Phil) in Biochemistry** from Periyar University, Tamil Nadu

**Master of Sciences in Biochemistry** from Periyar University, Tamil Nadu

**Total year of experience: 13 years 2 months**

**Teaching and Research Experience - 10 Years 2 Months**

**Industry Experience - 3 Years**

July 2019- till date - Assistant Professor Department of Biochemistry, Padmashree institute of management and sciences, Bangalore.

Nov 2007- Sep 2009 - Assistant Professor Department of Biochemistry, Sri Venkateswara Dental College and Hospital, Chennai, Tamil Nadu.

Aug 2005 - July 2007 - Assistant Professor Department of Biochemistry, K S R College of Arts & Science, Tiruchengode, Tamil Nadu

July 2003 - July 2005 - Assistant Professor Department of Biochemistry, Bharathidasan College of Arts & Science, Erode, Tamil Nadu

April 2012- April 2015 - Chief Biochemist, Star med diagnostic center, Chennai, Tamil Nadu.

## RESEARCH GUIDANCE:

**M.Phil - Biochemistry - 4 ; Master of Science (MSc) - Biochemistry – 28**

## ADDITIONAL QUALIFICATION:

- Clinical Lab Technique Training - ' Sudha Fertility Hospital', Erode, Tamil Nadu.
- DCA (Diploma in Computer Applications) (MS-OFFICE).

## Certification Courses:

- National Programme on Technology Enhanced Learning, **Cell Culture Technologies**, Aug-oct2017, IIT Kanpur.
- National Programme on Technology Enhanced Learning, **Bioinformatics: Algorithms and application (FDP Certified)** Jan- Apr 2019, IIT Madras.
- National Programme on Technology Enhanced Learning, **Introduction To Proteomics (FDP Certified)** Aug- Oct 2019, IIT Bombay.
- National Programme on Technology Enhanced Learning, **Health Research Fundamentals**, Jan – Mar 2020 , ICMR and IIT Madras.
- Online Certification course on ‘**Intellectual Property Rights and Innovation**’ – KSCST- 29<sup>th</sup> April - 2<sup>nd</sup> May 2020.
  
- AICTE Sponsored Online Short Term Training Program (STTP) On “**Bio-Medical Systems Design using Artificial Intelligence & Machine Learning**” 7th Sep to 12th Sep 2020.
  
- National Programme on Technology Enhanced Learning, **Immunology**, Sep-Dec 2020, IIT Kharagpur.
  
- Swayam - **Nutritional and Clinical Biochemistry**, Jan - Aug 2022
- Swayam - **Diet management in health and disease**, Jan - Aug 2022

## RESEARCH PUBLICATIONS IN INTERNATIONAL JOURNALS / BOOK CHAPTERS:

- ✓ Dhanalakshmi G, Sumathi P, Pasupathi P, Ganadeban M (2011) Comparison of Biochemical and hormonal changes in Metformin – clomiphene citrate and Metformin – Letrozole in PCOS south Indian women, Int J Biol Med Res. 2(2): 490-496
- ✓ Dhanalakshmi G, Sumathi P, Pasupathi P, Saravana kumar K (2011) Lipid profile and Homocysteine level changes in metformin and metformin-letrozole therapy with south Indian PCOS women, Int J Cur Biomed Pharm Res. 1(3): 102 -108
- ✓ Dhanalakshmi G, Sumathi P, Pasupathy P, Babu Shankar P, Ambika A (2011) Effect of metformin combined therapy in patients with polycystic ovary syndrome , International Journal of Nutrition, Pharmacology, Neurological Diseases. 1(2): 116-125.

- ✓ Dhanalakshmi G, Sumathi P, Pasupathy P (2012) Relationship between Hormonal Changes and Folliculogenesis in Polycystic Ovarian Syndrome Women, J. Pharm. Sci. & Res. 4(3): 1783-1788. (Scopus Author ID 55172688300).
- ✓ Dhanalakshmi G, Sumathi P, Pasupathy P (2012) Comparison of the efficacy of follicular and endometrial response on metformin- Clomiphene citrate and metformin – Letrozole on polycystic ovarian syndrome women, International Journal of Research in Pharmaceutical Sciences.3(1): 127-134 (Scopus Author ID 55047453000).
- ✓ Dhanalakshmi G, Sumathi P, Pasupathy P (2012) Comparison Of Mono And Combined Effect Of Metformin On Ovulatory Rate In Infertile Polycystic Ovarian Syndrome Women, International Journal Of Pharmaceutical Sciences Review And Research. 13(2): 106-111.
- ✓ Palanisamy Pasupathy , Ganesan Dhanalakshmi , Babu Shankar Ponnusha, Athimoolam Ambika, (2011),Cardioprotective Effect of Walnut Consumption: A Review Int J Cur Sci Res.; 1(3):146- 154
- ✓ Palanisamy Pasupathy , Ganesan Dhanalakshmi , Babu Shankar Ponnusha , Athimoolam Ambika , (2011), Cystatin C: A novel marker for renal failure, Int J Cur BioMed Sci. 1(3): 120-125
- ✓ Dhanalakshmi.G , Subbalakshmi.G, (2020)Comparative Study Of Metabolomic profile Changes In PolyCystic Ovarian Syndrome and Normal South Indian Women, International Journal of Research and Analytical Reviews (IJRAR) , Vol 7, Issue 4, 960-966.  
<http://doi.one/10.1729/Journal.25166>
- ✓ Dhanalakshmi.G,Uzma farheen, Anadi, (2020) Comparative study on genomic sequence of SARS-COV2, SARS- COV1, H1N1 and H3N2 Viruses, International Journal of Creative Research Thoughts (IJCRT),Vol 8, 2686 - 2691.  
<http://doi.one/10.1729/Journal.25340>
- ✓ Dhanalakshmi.G, Anadi, Uzma farheen, ( 2021) Comparative Study of Genomic and Pathogenic Characteristics of the Human Coronaviruses, International Journal of Pharmaceutical Research,13 (1), 3298 – 3301.  
<https://doi.org/10.31838/ijpr/2021.13.01.498>
- ✓ Dhanalakshmi G, Anadi, (2021) Geographical Based Genomic and Pathogenic Study of the SARS-COV-2, IJPSR, Vol. 12, Issue 4, 2411-2416, 2021.[http://doi.org/10.13040/IJPSR.0975-8232.12\(4\).2411-16](http://doi.org/10.13040/IJPSR.0975-8232.12(4).2411-16) (who id -1187167)
- ✓ Dhanalakshmi G. and Navya Yadav N, (2022) In silico study of *Phyllanthus amarus* and *Oseltamivir* against Neuraminidase, World Journal of Pharmaceutical Research, Vol 11, Issue 3, 1482- 1494.  
doi: 10.20959/wjpr20223-23230
- ✓ Geographical Based Genomic and Pathogenic Study of the SARS-COV-2, Recent advances in Pharmaceutical sciences, Innovare academic sciences Pvt ltd, Chapter 17, vol 10, 2022 (ISBN:978-81-958789-2-5)

- ✓ Dhanalakshmi G, et. al., *In vitro* and *In Silico* study of Anti diabetic activity on *Raphanus sativus* Microgreen and Mature leaf, International Journal of Pharmaceutical Sciences and Clinical Research 2022; 2(4):1-7
- ✓ Dhanalakshmi G, Genomic in Life Sciences, International Journal of Public Mental Health and Neurosciences ISSN: 2394-4668 (Special Issue- Springer), <http://sarvasumana.in/conference>, (Page 20) Dec 22-23, 2022.
- ✓ Dhanalakshmi G, et. al., “Role of plant based remedies for Polycystic Ovarian Syndrome: Review” , International Journal of Pharmaceutical Sciences and Research (IJPSR), ( Accepted for Publication - acknowledgement no: IJPSR/RE-5929/02-23 )
- ✓ Immobilized enzymes: a novel approach to recyclability in the industrial and pharmaceutical area , “Advances in Enzymology: Role in Industrial and Pharmaceutical applications ( Accepted for Publication)

#### **ORIENTATION / WORKSHOP/ FACULTY DEVELOPMENT PROGRAM**

- “Refresher course on Environmental studies' ' UGC sponsored, Held at UGC Academic staff college, Bharathiar University, Coimbatore, was attended from 16 th May – 5 th June 2006.
- “Refresher Course on Advanced in Biophysics” organized by INSc, IASc, NASI, collaborated with Center for Cellular and Molecular Biology, Hyderabad was attended from 25th May – 8th June 2007.
- Workshop on “ Development and Application of Biosensors” (Technical education quality improvement programme – TEQIP-II ) organized by the Department of Biotechnology, R.V College of Engineering , Bangalore in association with Biosensor Society (India) was attended from 4th July – 9th July 2016.
- Faculty development Program on “Strengthening quality research in higher education” organized by Padmashree institute of management and sciences was attended from 19 th July- 24 th July 2019.
- Faculty development Program on “Research proposal writing and opportunities in the field of science, Engineering and management” organized by Bangalore institute of technology was attended from 6<sup>th</sup> July - 11<sup>th</sup> July 2020.
- Faculty development Program on “ High quality medical diagnosis using data sciences for societal benefits” Under AICTE Margadarshan at Velagapudi Ramakrishna Siddhartha Engineering college, was attended from 21<sup>st</sup> Sep - 25<sup>th</sup> Sep 2020.
- Faculty development Program on “Recent advances and opportunities in industrial biotechnology” organized by the Department of Biotechnology, Ramaiah Institute of Technology and Association of Biotechnology Led Enterprises (ABLE), India was attended from 04 th to 9 th oct 2021

- DBT Sponsored online workshop on “Recent trends in Biotechnology in Engineering” organized by G H Raison College of Engineering, Nagpur, was attended from 15 th to 18 th Dec 2021.
- Online faculty development programme (FDP) on “Recent Developments in Computational Biology “organized by Department of Data Science and Intelligent Systems-IIT Dharwad, In association with Electronics & ICT Academy, NIT Warangal, was attended from 21<sup>st</sup> Feb - 02 March, 2022.
- Online faculty development programme (FDP) on “ Recent Trends in Bioinformatics” Organized by Department of Electronics & ICT Academy, NIT Warangal, was held from 26th Aug – 04th Sep 2022.
- Online faculty development programme (FDP) on “Development of therapeutics Using Bioinformatics - Recent trends and strategies” “organized by Department of Biotechnology, NIT Warangal, was attended from 18th - 12th of May 2023.
- Biohelp learning workshop on “ Molecular Docking and Drug Designing” was attended from 22nd to 28 th May 2023.

#### **PAPER PRESENTATIONS/ SEMINARS/CONFERENCE ATTEND**

- Paper entitled "Hypothyroidism and their effect" was presented in an intercollegiate student seminar on Modern Approaches in Life Science – Flora Jan' 2001.
- Poster entitled “Causes of thyroid disease and their defect” was presented in the National seminar on Emerging trends of Biotechnology in Health Sciences – KMCH college of pharmacy and Dr. NGP Arts and Science College, Coimbatore, Feb 2002.
- Paper entitled “Hepatoprotective effect on Andrographis paniculata in albino rats” was presented in National Seminar on Bio-Technology in the new millennium – Vivekanandha College of arts & Science for women, Thiruchengodu, Feb 2002.
- Paper entitled on "Hypoglycemic effect in Andrographis Paniculata (NESS) in normal & Streptozotocin induced Diabetic rats” was presented in National Seminar on Bio-Technology - Vivekanandha College of arts & Science for women, Thiruchengodu , Feb'2003.
- Paper entitled "Antioxidant effect of Andrographis Paniculata (NESS) on the rats" was presented in National Seminar on Bio-Technology, Vivekanandha College of Arts & Science for women, Thiruchengodu, Feb '2003.
- Attended Symposium on “Bioprocess Monitoring and control” at PSG College of technology, Coimbatore, Feb 2004.
- Attended two days Special lecturer programme on Molecular Biology at PSG College of arts and science, Coimbatore, Jan 2005.

- Paper entitled “Antioxidant effect of edible mushroom” was presented in National symposium on herbal medicine, KSR College of arts & Science, Thiruchengodu, Dec 2005.
- Paper entitled "Polycystic ovarian disease and their effect" was presented in a state level seminar at Vivekanandha College of arts & Science for women, Thiruchengodu, Aug-2006.
- Paper entitled "Biophysico & Chemical characterization of Tannery & Textile effluent" was presented in the National symposium on Microbial diversity for human welfare at KSR College of Arts & Science, Thiruchengodu, March- 2007.
- Paper entitled “Effect of Aegle Marmelos leaf extract and commercial antibiotic (Penicillin) in streptococcus induced disease in children” was presented in the International seminar on Inculcating innovations at Dr. NGP Arts and Science College, Coimbatore, March 2009.
- Participated in a National level seminar on “The role of Antioxidants in the treatment of Diseases” at University of madras, Taramani campus, Chennai, March 2009.
- Paper entitled “Antioxidant activity and nutritive value of commercially available edible mushrooms” was presented in the National conference on challenges in biochemical engineering at MVJ College of Engineering, Bangalore, April 2009.
- Paper entitled “Biochemical & hormonal changes in PCOS women- after metformin therapy” was presented in the National conference on Genetics, Diagnosis and Therapy at Dr. NGP Arts and Science College, Coimbatore, Aug 2009.
- Paper entitled “Metabolomics analysis of thyroid profiles influence the insulin resistance of normal and polycystic ovarian syndrome south Indian women” was presented in the National conference on Signal Processing, Computing, Networks and Power Engineering at ACS Engineering College, Bangalore, April 2016.
- Web of Science Basic series (Online) Nov 2019.
- Web of Science Advanced series (Online) Dec 2019.
- participated in the “ International web conference on recent advancement in Biomedical Engineering (INCRABE’20) organized by Bharath institute of science and technology, Chennai during 3<sup>rd</sup> July 2020.
- participated in the virtual symposium on “ COVID-19 Disease Control - Opportunities and Challenges for Vaccines, Bio-therapeutics and Diagnostics ” organized by Centre for Bio – Separation Technology (CBST) at Vellore Institute of Technology (VIT), Vellore, India during 9<sup>th</sup> - 10<sup>th</sup> July 2020.
- Participated in the virtual symposium on “COVID-19 Disease Control - Opportunities and Challenges for Drug Discovery and Development; Drug Repurposing and Alternative Medicine”organized by Centre for Bioseparation

Technology (CBST) at Vellore Institute of Technology (VIT), Vellore, India during 24<sup>th</sup> -25<sup>th</sup> July 2020.

- Paper entitled “Effect of calorie and low GI diet in PCOS women” was presented in the 5th International conference on Food and Nutrition by Universal Society of Food and Nutrition (USFN) on 16 th -17 th November 2022.

#### **ACADEMIC ACHIEVEMENTS:**

- Secured 2 nd Rank in M.Phil – Biochemistry, from Periyar university.
- **“Best Women Faculty award” from Novel research academy, Puducherry, Sep 5 th 2021**
- Secured Silver medal in National Programme on Technology Enhanced Learning, **Immunology**, IIT Kharagpur

#### **Additional Responsibility:**

- Member of Board of Studies in Biochemistry (UG), Bangalore University, Karnataka, India
- Member of Board of UG (Clinical Nutrition and dietetics, Food and nutrition, Food processing and Nutraceuticals, Food technology and Quality management, and Medical lab Technology), Bangalore University, Karnataka, India.
- Member of Board of PG (Clinical Nutrition and dietetics, Food and nutrition, Food processing and Nutraceuticals, Food technology and Quality management, and Medical lab Technology), Bangalore University, Karnataka, India.

#### **EDITORIAL MEMBER:**

- Editorial Team - Iterative International Publishers (IIP)
- Editorial Member of Edwin Group of Journal
- Editorial Team - Journal of Medical Research and Allied Sciences (MISJ)
- Editorial Team - International Journal of Medical Science in Clinical Research and Review (IJMSCRR)

#### **MEMBERSHIP:**

- International society for Research and development (ISRD)- senior member
- All India Council For Technical Skill Development (AICTSD) - Life time member
- Healthcare & Biological Sciences Research Association (HBSRA), Eurasia research- Life time member
- Universal Society of Food and Nutrition (USFN) - Professional member

## **FIELDS OF INTEREST**

Clinical Biochemistry, Drug Biochemistry, Molecular physiology, Human physiology, Immunology, Enzymology and Molecular Biology.

## **REFERENCE:**

### **1. Dr.P.Sumathi,**

Asst Professor in Biochemistry, Queens Mary's college, Kamaraja Salai, Opp. IG Office, Mylapore, Chennai, Tamil Nadu 600004, Mobile no : 9655596752

### **2. Dr. K. C. Pushpalatha,**

Asst. Professor/Coordinator, PG Department of Biochemistry,  
P. G. Centre of Mangalore University, Cauvery Campus, Madikeri  
Mobile no :09844623742

### **3.Dr. K. Kemparaju,**

Professor of Biochemistry, Department of Studies in Biochemistry,  
University of Mysore, Manasagangotri, Mysore – 570 006, India

## **DECLARATION:**

I declare that the above information is true of my knowledge

**Yours faithfully,**

**G.DHANALAKSHMI**