

CURRICULUM VITAE OF Dr. V.BHARATHI



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Educational Qualification

- Ph.D., Biochemistry (2019)
- SET., Biochemistry (2015)
- B.Ed., Biochemistry (2010)
- M.Phil., Biotechnology (2005) Distinction
- PGDBI., Bioinformatics (2003) Distinction
- M.Sc., Biochemistry (2002) Distinction
- B.Sc., Biochemistry (2000) First Class

Working experience:

- Worked as a Asst. Prof. in the Department of Biochemistry, STET Womens college, Mannargudi from June 2004 to 2007.
- Ten years experience as a Research project advisor (Part time) in Biological and Bioinformatics Research Center (BBRC), Trichy. (2004-2016).
- M.Sc research project Guided: 90
- M.Phil research project Guided: 20

Current position:

- Working as a Asst. Prof. in the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli from June 2007 to Till date

Research Advisorship

M.Phil - Ref.No.23770/R.A/M.Phil/Biochemistry/2017/Date:21.11.2017

Awards

- ◆ Received a **Special award** from **Youth exnora Club** in the year **2015**.

Resource Person

- Acted as a Resource Person on **One Day Workshop on “Mushroom Cultivation”** conducted by Shrimati Indira Gandhi College from 08.07.2014
- Resource person in **International Workshop on “ Protein Visualization Tool”** Conducted by Department of Biochemistry ,Shrimati indira Gandhi college ,Triochoy .

Specialization in Teaching

- ❖ Immunology
- ❖ Enzymes
- ❖ Biotechnology
- ❖ Genetic Engineering
- ❖ Biomolecules
- ❖ Human Physiology
- ❖ Basics in Bioinformatics
- ❖ Metabolism

Techniques Known

- Plant Tissue culture
- PCR
- UV- Visible Spectrophotometry
- Centrifugation
- ELISA
- Electrophoresis
- Chromatography
- Phytochemical Studies
- Antimicrobial studies
- Clinical studies
- Nanoparticle Synthesis

Research Skill

- M. Sc. – Panparag and Hans Chewing as one of the risk factor for Coronary Heart Disease.
- M. Phil - Medicinal properties of *Coleus aromaticus* against the pathogen causing urinary tract infection.”
- Ph.D–Effect Of *Macrotyloma uniflorum* formulation in High Fat Diet Induced Obese Rats

Accomplishment

- Good research and technical skills
- Good leadership qualities
- Ability to adapt quickly to new challenges

Participation in Refreshers Course

- ✓ participated in the Science Academic Refreshers Course on “Experimental Biology: Orthodox to modern” at St.Joseph’s College,Trichy on 07.11.2016 and 19.11.2016
- ✓ Attended the Science Academies refresher course organized by the PG and Research Department of Botany at St Joseph College, Trichy from 4.1.18 to 18.1.18, “Bioprospection Bioresources: Land to Lab approach”

Academic Responsibilities

- ❖ Co-ordinator for Nature club in the year 2009-2010
- ❖ Co-ordinator for Exnora club in the year 2015-2016
- ❖ Department Association Secretary in the year 2012-2013,2014-2015,2018-2019 and 2019-2020
- ❖ Department placement coordinator in the year 2015-2016 and 2016-2017.
- ❖ Course in-charge for PGDBI for 4 years.

Papers in the National and International Seminar and Symposium

- ❖ Total no of Papers presented in the National and International Seminar -11

Participation in Seminar/Symposia/Workshop/Conference

- ❖ Total no of seminar /Workshop/Conference Participated in State Level, national and international level -22

Research Publication

2009-10

1.V.Bharathi and S.Senthil Kumar. "Medicinal properties of *Coleus aromaticus* against the pathogen causing urinary tract infection". Ecotoxicology and Environmental Monitoring.2010;5:459-462

2010-11

2.V.Bharathi,S.Kalavathi, A.Shanmugapriya, S.JannathulFirdous "Anti-Obesity effect of *Tridax Procumbens* in Atherogenic diet-induced obese rats", International Journal of Pharmacy & Technology, ISSN: 0975-766X, Impact Factor: 0.6033, (Peer Reviewed), Vol 3/Issue No: 1/1565-1569, March 2011.

3.S. Sumathi, S. Senthil kumar, **V. Bharathi**, S. Sahaya Sathish. "Antibacterial Activity of the plant extract of *Symphytum officinale* L. against selected Pathogenic Bacteria". Int. J. Res. Pharm. Sci. 2011;2(1): 92-94.

2011-12

4.V.Bharathi, Shanmuga Priya.A, Jannathul Firdous.S. Antibacterial stem extract of *ocimum basilicum L*", International Journal of Chemical Biological and Physical

Science, E-ISSN: 2249 – 1929, Impact Factor: 0.723, IC Value: 5.69, (Peer Reviewed) ,
Vol 2, Page No. 237-240, Dec 11.

5. Shanmuga Priya.A, Dr.S.Kalavathy, **V.Bharathi.V**, Jannathul Firdous.S. “Cardio Protective Nature of N-Acetylcysteine against Beta Adrenergic Agonist Induced Myocardial Infarction in rats”, International Journal of Pharmaceutical and Research Development, ISSN-0974-9446 (Peer Reviewed), Vol III(11), Jan 2012, Page No:137-145.

6. **V.Bharathi**, B.Varalakshmi, S.Gomathi, A.ShanmugaPriya, T.Karpagam “Antibacterial activity of *Tridax Procumbens* Linn”, International Journal of Pharmaceutical Science and Research, (Peer Reviewed), , Vol.III (4), Page No.364-367, April 2012.

7. S.Gomathi, A.Shanmuga Priya, **V.Bharathi**, B.Varalakshmi and T.Karpagam. Antimicrobial activity and phytochemical studies of flowers of *Tribulus terrestris*”. IJBS, Joseph’s International journal of biological sciences. 2012;1(1): 47 - 50.

2013-2014

8. “S.Lourdu Mary, M.Anu, P.Lakshmi Prabha, Aamala Fathima Rani, **V.Bharathi**. “Synthesis and Characterization of Nano Crystalline Pr_{1-x}Ca_xCoO₃ Powder as Cathode Material for Li Ion Batteries”, An International Journal of Advances in Pharmaceutical Sciences eISSN 2231-0541, ISSN: 0976-1055 ICV: 5.09, Vol.4, issue 4, July-August 2013, Page No:617-626.

9.S.Sarala and **V.Bharathi**. Phytochemical and antibacterial activity of *Murraya koenigii* Linn, Journal of Pharmacology and Toxicology. 2013;3 (13):13- 16.

10. J. Abarna Devi¹, M.Bharani, **V.Bharathi**, T.Karpagam “Studies on Decolourisation of Molasses Waste by Various Micro-organisms”, International Journal of Pharmaceutical Research and Development (IJPRD) (peer-reviewed), vol.5 (5), July 2013, Page No: 001-013.

11.V.Bharathi and Dr.A.Vijaya anand Antiobesity effect of *Macrotyloma uniflorum* leaves extract on Rats fed on Hypercaloric Diet. World Journal Of Pharmacy And Pharmaceutical Sciences ,2014; 3, (5), 1500-1504.

12.V.Bharathi and Dr.A.Vijaya anand Green. “Synthesis of Silver Nanoparticles Using *Leucas Aspera*”, International Journal for Pharmaceutical Research Scholars (IJPRS), 2014;(3), 524-526

13. Sridevi visvanathan S.Janathul Firdous and **V.Bharathi**. “Green Synthesis of silver nanoparticles by *Coccinia grandis* Flower Extract”, **3, (7), 2014**

14. V.Bharathi ,S.Gomathi,A.Shanmuga priya G.Gayathri“Biosynthesis of Silver nano particles by *Datura metal* flower extract” World Journal of Pharmasceutical Research, 2014, SJIF Impact Factor: 5.045, 4.1926-1930.

15.V.Bharathi and S.Janathul Firdous, Phytochemical and antibacterial studies of *Oryza sativa*: WJPPS: 2014, vol 3(7).

2015-2016

16. **V.Bharathi** and A.Vijaya anand A review on *Macrotyloma uniflorum* L. American Journal of pharmaceutical technology and research (AJPTR). 2015; 7(2): 1206-130. ISSN: 2249-3387.
17. Ravindran Jaganthan, Rajeswari Nagarajan, **Bharathi Vadivel**, Antimicrobial Activity And Preliminary Phytochemical Screening Of Flower Extracts From *Azima Tetracantha* (L.), *ejpmr*, 2015,2(6), 195-197.
18. Sridevi visvanathan*, S.Janathul Firdous and **V.Bharathi** :Protective Effect Of *Cynodon Dactylon* Extract On High Fat Diet Induced Hyperlipidemia In Experimental Animals, World Journal of Pharmaceutical Research:Volume 3, Issue 5, 513-517.
19. P.Sangeetha, R.Balaj and **V.Bharathi**, Phytochemical and antibacterial effect of *Quisqualis indica* Linn., *IJPLS*5(2)2015.
20. **V.Bharathi** and A.Vijaya anand "Chemical Characterization from GC-MS Studies of Ethanolic Extract of *Macrotyloma uniflorum*, 2016: Research J. Pharm. and Tech, 9(3):
21. **V. Bharathi**, Shanthi. S. and G. Hemalatha: In-vitro screening of antibacterial efficacy of *Cadaba fruticosa* (L.) Against common human Pathogens: World Journal of Pharmaceutical Research Vol 5, Issue 4, 2016.
22. **Bharathi.V**, Hemalatha.G and Shanthi.S, Antihelminthic activity and phytochemical Screening of *Cucurbita maxima* and *Momordica charantia* Seeds, International Journal of Institutional Pharmacy and Life Sciences 6(1)

23.S. Shanthi, **V. Bharathi**, G. Hemalatha and E. Rajeshwari, phytochemical analysis and antibacterial efficacy Of *Adathoda vasica* ,world journal of pharmacy and pharmaceutical sciences, Volume 5, Issue 3, 799-808.

24.Jannathul Firdous Mohamed Naveed, **Bharathi**, Noorzaid Muhamad and F. Zaini Evaluation of Anti- Microbial activity in *Picrorhiza kurroa* plant extract using thin-layer chromatography and FTIR International Journal of pharmacy & Technology. ISSN:0975-766X Vol(8):Issue (3)2016:15717-15722.

25. G.Hemalatha **V. Bharathi** and A. Vijaya Anand, S. Shanthi. SChanges in Antioxidant level in *Macrotyloma uniflorum* L. Grown under lead toxicity. International Journal of pharmacy & Technology. ISSN:0975-766X Vol(8):Issue (3)2016:18971-18977.

2017-2018

26.S Shanthi, **V Bharathi**. Synthesis of silver nano particles from flower extract of *Abutilon indicum* and its characterization. World Journal of Pharmacy and Pharmaceutical Sciences. SJIF impact factor 6.04. ISSN-2278 – 4357 Vol 6 (6); 2017:1752-1756.

27.**V Bharathi** Green synthesis of *Mangifera indica* silver nano particles and its analysis using FTIR and SEM. National Journal of physiology, pharmacy and pharmacology. ISSN-2231-3206. VOL 7(12);2017:1-4.

28. Shanthi, **V Bharathi**. Green synthesis of *Nerium oleander* silver nano particles and its characterization. World journal Pharmaceutical research. SJIF impact factor 6.8. Volume 6 (6); 2017:1410-1417. ISSN NO: 2277-7105.

29. Shanthi, **V Bharathi**. Green Synthesis Of *Achyranthes Aspera* Silver Nano Particles And Confirmation Of Them Through Microscopy And Spectrophotometric Techniques, Volume: 4, Issue: 12, 2017.

30..S.Gomathi, **Ms.V.Bharathi**, Ms.A.Shanmugapriya, Dr.T.Karpagam – “Phytochemical Screening of silver nanoparticles extract of *Eugenia jambolana* using Fourier infrared spectroscopy”, International Journal of Research in Pharmaceutical Sciences, www.ijrps.pharmascope.org, Peer reviewed, ISSN: 0975-7538, Vol 8, Issue 3, Page No: 373-377, 2017.

31.**V.Bharathi**–“Evaluation of Anthelmintic Activity of *Momordica Charantia*, *Cucurbita Pepo L.*, and *Solanum Torvum* based Formulation and its Phytochemical Analysis using Fourier Transform Infrared”, Asian Journal of Pharmaceutical and Clinical Research, Peer reviewed, UGC, Google Scholar, Scopus, ICI, ISSN(O): 2455-3891, ISSN(P): 0974-2441, Vol 11, Issue 7, Page No: 353-355, March 2018.

32.**V.Bharathi** Chemical characterisation of GC- MS analysis of *Tabernaemontana divaricata* , European journal of Biomedical and pharmaceutical sciences. ISSN 2349-8870. volume 5(4). 451-454, 2018. SJIF impact factor 4.918UGC

33.**V.Bharathi** “Impact of farm made liquid organic nutrient Jevamirtham and fish amino acid on growth and nutritirional status in different season of *Abseimoschus osculentus*” in Organic agriculture, ISSN: 1879-4246, Vol 4, pp 1-15, May 2018.

SCIENCE DIRECT

34. **V.Bharathi** –“Effects of a medicinal plant *Macrotyloma uniflorum* (Lam.) formulation (MUF) on obesity-associated oxidative stress induced liver injury”, Saudi

Journal of Biological Sciences, www.sciencedirect.com, Peer reviewed, IF: 3.138, Scopus, Pubmed, ISSN1319-562x, Vol 25, Issue 3, Page No:1-6, March 2018.

35.**V.Bharathi** –“Effect of *Macrotyloma uniflorum* on antiobesity in rats fed with a high fat diet”, Saudi Journal of Biological Sciences, [www. science direct.com](http://www.science-direct.com), Peer reviewed, IF: 3.138, Scopus, Pubmed, ISSN1319-562x, Vol 25, Issue 3, Page No:1-6, March 2018.

2018-2019

36.**V.Bharathi** ,Phytochemical composition and larvicidal efficacy of *Calendula officinalis* and *Azaadirachta indica* . World Journal of Pharmaceutical Research, ISSN: 2277-7105, Vol 7(15), 2018. UGC.

37.**V.Bharathi** ,Efficacy of cellulose degrading bacteria from soil in production of cellulose from corn waste. Research journal of pharma and technology , ISSN: 0974-3618, Vol 11(9), 2018. SCOPUS.

38.**V.Bharathi** ,HPLC analysis of *Calendula officinalis* and *Azaadirachta indica* World Journal of Pharmaceutical Research, ISSN: 2277-7105, Vol 7(15), 2018. UGC.

39.**V.Bharathi** ,Phytochemical and Antimicrobial analysis of *Senna alata* leaves extract . World Journal of Pharmaceutical Research, ISSN: 2277-7105, Vol 7(15), 2018. UGC.

40. **V.Bharathi** ,Green synthesis of silver nanoparticle *Senna alata*. World Journal of Pharmaceutical Research, ISSN: 507-517, Vol 7(15), 2018. UGC.

PERSONAL DETAILS

1. Date and place of birth : 02nd June 1979, Trichy,

Tamil Nadu, India

2. Gender : Female

3. Marital status : Married

4. Father's name : N.Vadivel

5. Nationality : Indian

6. Languages known : Tamil & English

7. Permanent address : 4-31,Manakkal East Street,
Lalgudi T.K,
TRichy D.t.
Tamilnadu, India.

8. Extra-Curricular activities : PGDBI,MS Office, HTML, and C++

Declaration:

I here by declare that the above information furnished by me if true.

Place: Trichy

(V.BHARATHI)

Date: 19.01.2012