

Dr. V. Prabhu MSc., Ph.D

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WORK EXPERIENCE

Shri Nehru Maha Vidyalaya College of Arts and Science	Assistant Professor	4-12-2017 to 7-05-2018 (6 Months)
Sri Shakthi Institute of Engineering and Technology	Assistant Professor	27-3-2016 to 03-12-2017 (1 year 8 months)
Karpagam College of Engineering	Assistant Professor	1 year 7 months (8-8-14 to 23-3-2016)
Karpagam Insitiute of technology	Assistant Professor	1 year 1 months (From 26- 6-2013 to 7-8-14)

TRAININGS ATTENDED

01	HPLC,GC,HPTLC,IR,UV-visible spectroscopy	Karpagam university, Coimbatore
02	Spectroscopic identification of phytoconstituents	Karpagam university, Coimbatore
03	Green chemistry	S.S.C.P,Tumkur,Karnataka

PROJECT –Ph.D PROGRAMME PERIOD

Isolation and characterization of phytoconstituents from *Chromolaena odorata* (L.) and *Couroupita guianensis* Aubl. And a study of their biological activities.

Number of Paper published

1. GC-MS analysis of petroleum ether, chloroform and methanol extract of *Ixora coccinea*'s flower and *in-vitro* cytotoxic activity of methanolic extract against DLA and ECA cancer cell lines. **Velliangiri Prabhu**, K. Poonkodi, R. Mini, K. Vimala Devi and M. Karthigai Priya. International journal of analytical and reserach reviews. 2018, 5(4): 801-807.
2. **Velliangiri Prabhu*** & Subban Ravi, Isolation of phytoconstituents from the flowers of *Couroupita guianensis*. Indian Journal of Chemistry, 2017, vol 56B, PP.709-713.
3. Isolation and characterization of phytoconstituents from *Couroupita guianensis* flowers using low polar solvents. **Velliangiri prabhu**, Subban Ravi, S. Elamaran and Murugan kamaiyan. Published in international conference on system, science, Control, Communication, Engineering and Technology 2015.
4. **Velliangiri Prabhu**, and Subban Ravi. LC-MS study for methanolic extract of *Couroupita guianensis* flowers. Indo American Journal of Pharmaceutical Research. 2013; 3(8): 6360-6365.
5. Illath Sujina, **Velliangiri Prabhu**, Hariharan Hemlal and Subban Ravi. Essential oil composition, Isolation of β -asarone and its antibacterial and MRSA activity from the rhizome of *Acorus calamus*. Journal of Pharmacy research. 2012; 5(6):3437-3440.
6. **Velliangiri Prabhu**, and Subban Ravi. Quantification of Quercetin and Stigmasterol of *Couroupita guianensis* Aublt by HPTLC method and *in-vitro* cytotoxic activity by MTT assay of the methanol extract against HeLa, NIH 3T3 and HEPG2 cancer cell lines. International journal of pharmacy and pharmaceutical science. 2012; 4(4): 126-130.
7. **Velliangiri Prabhu**, and Subban Ravi. Isolation of a novel triterpene from the Essential oil of fresh leaves of *Chromolaena odorata* and its *in-vitro* cytotoxic activity against HepG2 cancer cell line. Journal of applied pharmaceutical science. 2012; 2(9): 132-136.
8. Bahlul Z. Awen , C.R. Unnithan , S. Ravi · Adel kermagy , **V. Prabhu** and H. Hemlal. Chemical Composition of *Salvia officinalis* Essential oil of Libya. Journal of essential oil bearing plants. 2011; 14 (1): 89-94.

9. **Velliangiri Prabhu**, Illath Sujina, Hariharan Hemlal and Subban Ravi. Essential oil composition, antimicrobial, MRSA and in-vitro cytotoxic activity of fresh leaves of *Chromolaena odorata*. Journal of Pharmacy research. 2011; 4(12): 4609-4611.

10. Hemlal Hariharan, Sujina Illath, **Prabhu Velliangiri** and Ravi Subban Cytotoxic activity of the alkaloids and free radical scavenging activity of the aqueous extract of the root part of *Pseudarthria viscida* (L) Wight and Arn. Journal of Pharmacy research. 2011; 4(8): 2707-2709.

11. Subban Ravi, Kishore K. Chiruvella, K.Rajan, **V.Prabhu**, Sathees C. Raghavan. 5-Isopropylidene-3-ethyl rhodanine induce growth inhibition followed by apoptosis in leukemia cells. European journal of medicinal chemistry. 2010; 45(7): 2748-52.

Research Proposal

1. Research proposal was submitted (entitled “Chemical composition and mosquito larvicidal activity of essential oils from *Eupatorium* species against *Aedes aegypti* L. (Diptera: Culicidae)”) to the DST- SERB (ECR).

2. Research proposal was submitted (entitled “ISOLATION AND CHARACTERIZATION OF BIOACTIVE CONSTITUENTS FROM *Scoparia dulcis* AND ITS ANTIUROLITHIATIC ACTIVITY”) to the DST-SERB (ECR).

Number of paper presented

1. Presented a paper entitled “isolation of phytoconstituents using low polar solvents from the flowers of *Couroupita guianensis* in the UGC & TANSCH- Sponsored National Conference on Recent Developments in Green Chemistry (NCRDG-2013) held on 18th and 19th December 2013 at Kongunadu Arts and Science College.

2. Essential oil composition from *chromolaena odorata* and its cytotoxic activity held at Karpagam University- 2010 (2nd Annual Research Congress).

3. National symposium on alternative medicine held at Karpagam University- 2010, March.

4. National level seminar on Recent Developments in Medicinal and Green Chemistry held at Karpagam University- 2010.

5. Essential oil composition from *chromolaena odorata* and its antimicrobial activity held at Karpagam University- 2009 (1st Annual Research Congress).

Conference, workshop attended

1. 3rd Indian youth science congress at NASC Complex, NEW DELHI, Nov-2011.

2. 1D and 2D NMR Spectroscopy and their applications held at Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Sep-2010.

3. ICMR sponsored national level seminar on Phytochemicals: their role in disease prevention and health promotion held at Kongu Engineering College, Perundurai, 2010.

4. Interpretation of spectral data and identification of phytoconstituents by using spectroscopic techniques held at Karpagam University, 2009.
5. AICTE sponsored staff development programme on Pharmaceutical Chemistry-Green Technologies & Effective Teaching Aids held at Sree Sidaganga College of Pharmacy, Tumkur, Oct-2009.
6. National seminar on Nano technology and its applications held at Bharathiyar University- 2007.

Extracurricular activities

Obtained M.Phil and Ph.D Guideship in Bharathiar University, Coimbatore (22232/A2/2018 & 17/09/2018).

Organizing member

-  State level workshop-1
-  Guest lecture-1

Coordinator

-  ISO coordinator
-  Placement coordinator

Responsibilities

1. Isolation of the compounds by using TLC and Coloumn chromatography.
2. Characterization of the compounds by using spectral data like IR, UV, ^1H -NMR ^{13}C - NMR , HSQC, ^1H - ^1H COSY, HMBC and MS spectra.
3. Biological activities for the isolated compounds (cytotoxicity, antimicrobial, antidiabetic, antioxidant etc...).