



FACULTY PROFILE

Name & Designation	: Dr. V. PRABHU Assistant Professor, PG Department of Chemistry, NGM College, Pollachi, Coimbatore – 642001
E-mail	:prabhusamruth@gmail.com prabhunmr@gmail.com
Educational Qualification	: M. Sc., Ph.D
Specialization	: Phytochemistry and Synthetic organic chemistry
Working Experience	: 8 Years
Research Experience	: 12 years

Patent Published

Title of Invention	Hair growth stimulants and the manufacturing method there of (202241052907)
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Books edited/ book chapter published

No of books edited	04
No of book chapter published	18

Research Publications

1. K. Poonkodi, V. Anitha, R. Chitradevi, M. Suganthi, K. Vimaladevi, **V. Prabhu**, R. Mini, M. Anusuya. Adsorption of crystal violet dye on biomass from Bauhinia tomentosa seed pod powder: equilibrium and kinetic studies, Indian Journal of Natural Sciences, 75, 2022. (Web of Science).
2. K. Vimaladevi, M. Selladurai, K. Poonkodi, **Velliangiri Prabhu**, Raman M, Anandhan A. Chemical Profile and Biological Activities of Essential oil from Artabotrys hexapetalus (L.f.) Bhandari Grown in Southern Parts of Western Ghats. Orient J Chem, 38(6). 2022. (Web of Science).
3. R. Mini, **V. Prabhu**, K. Vimaladevi, J. Sowmiya, and G. Sibi. GC-MS Analysis, Phytochemical Screening and Biological Activity of Bauhinia tomentosa (Linn.). Asian Journal of Chemistry, 33(11), 2021, 2641-2644. (Scopus)
4. Krishnasamy Vimaladevi, Madhiyan Selladurai, Kathirvel Poonkodi, **Velliangiri Prabhu**, Raman Mini, Balasubramaniyam Manojkumar. Chemical Composition of Essential Oil of *Cananga odorata* (Lam.) Hook. F. & Thomson Leaves and Its Biological Activities. Journal of Essential Oil Bearing Plants, 24(3), 2021, 596-602. (SCI)
5. **V. Prabhu**, K. Arunkumar, B. Monika, V. Latha and G. Sibi. Bioactive Phytochemical Compounds of Physalis minima L. and its Anticholinesterase and Antioxidant Activities. Asian Journal of Chemistry, 33(4), 2021, 741-746. (Scopus)
6. **V. Prabhu**, K. Poonkodi, K. Pradeep, S. Buvaneswari, R. Mini, K. Vimaladevi M. Anusuya and Sibi G. Antidandruff activity of Cassia auriculata and Cassia alata through fatty acids mediated inhibition of Malassezia furfur. Journal of applied and natural science, 12(4), 2020, 532-540. (Scopus)
7. **V. Prabhu**, V. Manjula, K. Santhiya, G.P. Tamileela Kanali, P. Saravanakumar and G. Sibi. Chemometric Profile of Calotropis gigantea and its Antioxidant Activity through Bioactive Compounds from Latex, Leaves and Flower Extracts. Asian Journal of Chemistry, 32(11), 2020, 2865-2872. (Scopus)
8. **V Prabhu**, M Anusuya, KS Saranya, R Mini, K Vimaladevi. In vitro cytotoxicity potential of ethanol extract of Syzygium samarangense (Wt.). Kongunadu Research Journal, 6(1), 2019, 30-32.
9. Jeevitha N, Nandhakumar K, Vasanth Mohan S, Pradeep K and **Velliangiri Prabhu**. Evaluation of phytoconstituents of *Andrographis paniculata* and its *in-vitro* antioxidant activity using DPPH and ABTS assay. American International journal of research in Science, Technology, Engineering and Mathematics, 16, 2019, 179-183.
10. **Velliangiri Prabhu**, K.Poonkodi, R.Mini, K.Vimala Devi & M. Karthigai Priya. Gc-ms analysis of bioactive compounds present in the petroleum ether, chloroform and methanol extract of ixora coccinea's flower and in-vitro cytotoxic activity of methanolic extract against dla and eac cancer cell lines. International Journal of Research and Analytical Reviews, 5(4), 2018, 801-807. (UGC approved)

11. **Velliangiri Prabhu**, Subban Ravi. Isolation of phytoconstituents from the flowers of *Couroupita guianensis*. Indian Journal of Chemistry, 56B, 2017, 709-713. (SCI)
12. **Velliangiri Prabhu** , Subban Ravi , S. Elamaram, Murugan kamayan. Isolation and characterisation of phytoconstituents using low polar solvents from the flowers of *Couroupita guianensis*. International Conference on Systems, Science, Control, Communication, Engineering and Technology, 2015, 225-228.
13. **Velliangiri Prabhu** and Subban Ravi. LC-MS study for methanolic extract of *Couroupita guianensis* flowers. Indo American Journal of Pharmaceutical Research. 3(8), 2013, 6360-6365. (UGC approved)
14. **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. 2(9), 2012, 132-136. (Scopus)
15. I Sujina, **V Prabhu**, H Hemlal, S Ravi. Essential oil composition, isolation of β -asarone and its antibacterial and MRSA activity from the rhizome of *Acorus calamus*. J Pharm Res. 5(6), 2012, 3437-3440. (UGC approved)
16. **Prabhu Velliangiri**, R Subban. Quantification of quercetin and stigmasterol of *Couroupita guianensis* aubl by HPTLC method and in-vitro cytotoxic activity by mtt assay of the methanol extract against HeLa , HepG2 and NIH3T3. Int J Pharm Pharmac Sci. 4(4), 2012, 126-130. (UGC approved)
17. **Velliangiri Prabhu**, Illath Sujina, Hariharan Hemlal, Subban Ravi. Essential oil composition, antimicrobial, MRSA and in-vitro cytotoxic activity of fresh leaves of *Chromolaena odorata*. Journal of Pharmacy Research. 4(12), 2011, 4609-4611. (UGC approved)
18. Hemlal Hariharan, **Prabhu Velliangiri**, Sujina Illath and Ravi. 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. 4(8), 2011, 2707-2709. (UGC approved)
19. Bahlul Z Awen, CR Unnithan, S Ravi, Adel Kermagy, **V Prabhu**, H Hemlal. Chemical composition of *Salvia officinalis* essential oil of Libya. Journal of Essential Oil Bearing Plants. 14(1), 2011, 89-94. (SCI)
20. Subban Ravi, Kishore K Chiruvella, K Rajesh, **V Prabhu**, Sathees C Raghavan. 5-Isopropylidene-3-ethyl rhodanine induce growth inhibition followed by apoptosis in leukemia cells. European Journal of Medicinal Chemistry. 45(7), 2010, 2748-2752. (SCI)
21. R Mini, **V Prabhu**, K Poonkodi, K Vimaladevi, M Anusuya, M Vasuki. Bio synthesis, Characterization of ZnO Nanoparticles from *Scoparia dulcis* L. plant extract and its in-vitro Antioxidant, Acetylcholinesterase Activity. Plant Science Today. 2(4), 2023. (Scopus and Web of Science)

22. R Mini, **V Prabhu**, K Poonkodi, K Vimaladevi, K. Revathi. Green synthesis of Silver nano particles from *Scoparia dulcis* L. plant extract and its in-vitro acetylcholinesterase and antioxidant activity. Rasayan Journal of Chemistry. 2023. (Scopus)

23. P.Sathishkumar, G.Chokkalingam, R.Rakkimuthu, AM. Ananda Kumar, D.Sowmiya and **V.Prabhu**. Production of Degradable Bio Plastics from Invasive Alien Plants in Anamalais, the Western Ghats. Indian Journal of natural sciences. 13(76), 2023, 52603-52613. (Web of science, Zoological abstract)

Number of citations: 145

h-index- 6

i10- index- 5

Academic Activities

No of Ph.D guided	01
No of M.Sc., Project guided	20
Member of Board of studies at NGM College (PG Chemistry)	
No. of Articles Published in International/ National Journals	20
No. of articles published in Conference Proceedings	18
No of conferences/ seminars/workshops Attended	30
FDP/Hands on training Attended	5

Online Participation

Short Term Online Courses Completed	16
Online Webinar Attended	40
FDP/ Hands on Training Attended	24
Online Conference/ Seminar/Workshop Attended	25

Extra Curricular Activities

- ❖ Obtained M.Phil and Ph.D Guideship in Bharathiar University, Coimbatore (22232/A2/2018 & 17/09/2018).
- ❖ Member of society of biological chemists
- ❖ Reviewer of International journal of Biochemistry research and Review
- ❖ Indian Ambassador of Benthem science journal
- ❖ Acted as a resource person at Arul Anandar College, Department of Chemistry, Madurai.
- ❖ Acted as a panel member for national conference at Karpagam Institute of technology, Department of S&H, Coimbatore

Organizing member

State level workshop	02
Guest lecture	04
Online virtual international FDP	02
Online workshop	02

Convener

Online international webinar	01
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Coordinators

ISO coordinator
Placement coordinator
Scholarship Coordinator

Responsibilities

- ❖ To enhance the theoretical and practical knowledge to the students for higher level.
- ❖ Isolation of the compounds by using TLC and Column chromatography.
- ❖ Characterization of the compounds by using spectral data like IR, UV, ^1H -NMR ^{13}C - NMR , HSQC,
- ❖ ^1H - ^1H COSY, HMBC and MS spectra.
- ❖ Biological activities for the isolated compounds (cytotoxicity, antimicrobial, antidiabetic, antioxidant etc...).

Signature

