

STAFF PROFILE

- 1) Name : Dr. U. DANYA
- 2) Designation : Assistant Professor
- 3) Department : Department of Botany
- 4) Qualification : M.Sc., Ph.D (SET)
- 5) Experience : 14 Teaching : 7 Research : 7
- 6) Area of Specialization (s) : Phytochemistry and Pharmacognosy
- 7) E-mail : danya.bio@gmail.com
- 8) Additional qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/ Agency name	Year
Certificate course	High performance Liquid chromatography	Ayyanadar ammal Sivakasi Janaki college,	2007-2009
Certificate course	Information technology	Ayyanadar ammal Sivakasi Janaki college,	2008

9) Projects

Completed: 1

Project Title	Agency	Amount	Duration
In Vitro Conservation, Phytochemical characterization, Anti-Inflammatory and Anti-diabetic activities of an endemic medicinal plant <i>Caralluma sarkariae</i> R. BR. from Southern Western Ghats.	UGC-SERO, Hyderabad	Rs. 3,15,000/-	2015-2017

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.		1
M. Phil.	1	1

11) Research Publications

International

1. Danya, U., M. R. Udhayasankar, K. Arumugasamy and Baluprakash, T. Bioactivity of *Tecomella undulata* (G. Don) Seem (Bignoniaceae) on human Pathogens. *South As. J. Biol.Sci.*, 2012, 2(2): 39-50.
2. Danya, U., M. R. Udhayasankar, K. Arumugasamy and D. Punitha, T. An efficient protocol devised for rapid callus induction from leaf explants of *Stephania wightii* (Arn.) Dunn- An endemic medicinal plant. *Research in Plant Biology*.2012,2(5):18-22.
3. Danya, U. M.R. Udhayasankar, K. Arumugasamy and D. Punitha. LC-ESI-MS Determination of Bioactive Components from the Aerial Parts of *Stephania wightii* (Arn.) Dunn (Menispermaceae) - An Endemic Medicinal Plant from Western Ghats, Kerala, India.*American Journal of PharmTech Research.*, 2012, 2(5):551-558.
4. Danya, U., M. R. Udhayasankar, K. Arumugasamy and D. Punitha. *In Vitro* Antimicrobial Activity of *Stephania wightii* (Arn.) Dunn. (Menispermaceae) against Skin Diseases Causing Microbial Strains.*International journal of pharmaceutical research and development*. 2012, 4(8): 131-137.
5. Danya, U., M. R. Udhayasankar, K. Arumugasamy and D. Punitha. Anti-proliferative property of *Stephania wightii* (Arn) Dunn Menispermaceae on mammalian breast adenocarcinoma cancer and cervical cancer cell lines. *International journal of health and pharmaceutical sciences*.2012, 1(3):67-71.
6. Danya, U., M. R. Udhayasankar, D. Punitha, K. Arumugasamy and S.N.Suresh.*In Vitro* Regeneration of *Tecomella undulata* (Sm.) Seem- An Endangered Medicinal Plant *International journal of plant, animal and environmental sciences*.2012, 2(4):44-49.
7. Danya, U., M. R. Udhayasankar, D. Punitha and K. Arumugasamy. Plant regeneration from callus culture of *Stephania wightii* (Arn.) Dunn (Menispermaceae)-an endemic medicinal climber. *International Journal of Pharmacy and Integrated Life Sciences*.2012,1(1):18-25.
8. Danya, U., M. R. Udhayasankar, D. Punitha and K. Arumugasamy. Free radical scavenging activity of *Stephania wightii* (Arn) Dunn (Menispermaceae)- An endemic medicinal plant. *International journal of pharma research and review*.2012,1(7):1-5.

9. Danya, U., M. R. Udhayasankar, D. Punitha and K. Arumugasamy. Evaluation of anti-inflammatory activity of methanolic extracts of *Stephania wightii* (Arn) Dunn Menispermaceae- an endemic medicinal plant. *International journal of Universal pharmacy and life sciences*.2012, 6 (2):18-24.
10. Danya, U., M. R. Udhayasankar, K. Arumugasamy and D. Punitha. Anti-inflammatory activity of methanolic extract of *Stephania wightii* (Arn) Dunn- an endemic medicinal plant. *Research in Pharmacy*.2013, 3(3): 13-17.
11. Danya, U., M. R. Udhayasankar, D. Punitha,K. Arumugasamy and A. Shalimol.Evaluation of *in vitro* antioxidative activity of *Stephania wightii* (Arn.) Dunn (Menispermaceae)- an endemic medicinal plant. *World Journal of Pharmaceutical Research*.2013,2(5):1745-1750.
12. U. Danya, M. R.Udhayasankar, K. Arumugasamy and A. Shalimol. Hypoglycaemic activity of methanolic aerial parts and tuber extracts of *Stephania wightii*- an endemic medicinal plant. *World journal of pharmacy and pharmaceutical sciences*.2013, 2(6): 5112-5121.
13. U. Danya. In vivo anti-inflammatory activity of the endemic medicinal plant *Caralluma sarkariae* R.Br. using Carrageenan induced paw oedema in Swiss albino mice. *Journal of Medicinal Plants Studies*. 2017. 5(2): 133-135.
14. U. Danya. In vivo anti-diabetic activity of the endemic medicinal plant *Caralluma sarkariae* R.Br. Using STZ induced male wistar albino rats. *World Journal of Pharmacy and Pharmaceutical Sciences*. 2017, 6(4): 1181-1189.
15. . U. Danya. In Vivo antioxidant activity of essential oil of *Ferronia limonia* (L.)Swingle (Rutaceae)- An endangered tree of Tamilnadu. *World Journal of Pharmacy and Pharmaceutical sciences*. 2019. 8(5): 767-774.

12) Book Publications

1. Dr. U. Danya (2018). Environmental Studies- Renewable resources (Book chapter) compulsory course for undergraduate courses UGC Module syllabus, Nirmala college for Women, Coimbatore, First edition 2018. ISBN: 978-81-939751-0-7.

13) Presentations in Conference

1. Danya U and K. Arumugasamy, 2011. In vitro micro propagation through nodal culture of *Tecomella undulata* smith (Bignoniaceae) – an endangered medicinal plant. *International*

symposium on Environmental risk assessment, Bharathiar University Coimbatore on 17 -19 Oct 2011.

2. Danya U and K. Arumugasamy, Antimicrobial screening of the crude methanolic extract of *Tecomella undulata* (Bignoniaceae) – an endangered medicinal plant against some human pathogens. National Conference on "Harnessing the power of microbes for better food, agro – industry, health and environment". Department of microbiology, Karpagam University on 19th & 20th September 2011.

3. Danya U and K. Arumugasamy, In vitro plant regeneration from stem explants of *Tecomella undulata* smith (Bignoniaceae) – an endangered medicinal plant. National symposium on Emerging trends ion Biotechnology for the sustainability of human society. K.S.G. College of Arts and Science, Coimbatore on 22 and 23 Sep 2011.

4. Danya, U., K. Arumugasamy and M.R. Udhayasankar. Rapid in vitro mass propagation and Plant Regeneration from Nodal Explants of *Stephania wightii*.: A Valuable Endangered Medicinal Plant. International conference on Blooming species: A prosperous terrain for posterity held at Vellalar College for Women (Autonomous) on Erode Feb 15&16, 2012.

5. Danya, U., K. Arumugasamy and M.R. Udhayasankar. In vitro antioxidant activity of *Stephania wightii*- an important medicinal plant. National conference on Trends in exploration, achievement and developments in biological sciences, Chikkaiah Naicker College, Erode, March 10, 2012.

6. Danya, U., K. Arumugasamy and M.R. Udhayasankar. In vitro Development of Callus from Internode of *Stephania wightii* – An endangered medicinal plant. National seminar on Forest Health management, Institute of forest genetics and tree breeding, Coimbatore March 21 &22, 2012.

7. Danya U., M.R. Udhayasankar and K. Arumugasamy, 2012. An In vitro regeneration of *Stephania wightii* (Arn.) Dunn. (Menispermaceae) from callus culture. National conference on Phytomedicine at Bharathiar University, Coimbatore on 4.10.2012 and 5.10.2012.

8. Danya U, M.R. Udhayasankar and K. Arumugasamy, In vitro and In vivo anti-inflammatory activity of *Stephania wightii* (Arn) Dunn. (Menispermaceae)- an endemic medicinal plant. National Conference on Medicinal plants-Present Scenario and Future Prospects. Nirmala College for Women Coimbatore, Dec 6 & 7, 2012.

9. Danya U, M.R. Udhayasankar and K. Arumugasamy, Determination of phytochemicals from the aerial parts of *Stephania wightii* (Arn.) Dunn (Menispermaceae) by LC-ESI-MS technique. Regional Science Congress on science for shaping the future of India. Kongunadu Arts and Science College, Coimbatore Chapter on December 15-16, 2012.

10. Danya U, M.R. Udhayasankar and K. Arumugasamy. LC-ESI-MS Determination of bioactive components from the aerial parts of *Stephania wightii* (Arn.) Dunn (Menispermaceae)- an endemic medicinal plant from Western Ghats, Kerala, India. International Conference on

Biotechnological innovations towards global development, Bishop Heber College, Thiruchirappali on 9 and 10 January, 2013.

11. Danya U, M.R. Udhayasankar and K. Arumugasamy. Anti-inflammatory activity of methanolic extract of an endemic medicinal plant *Stephania wightii* (Arn.) Dunn. UGC sponsored National Conference on Environment and sustainable development: issues and challenges held at G. Venkataswamy Naidu College, Kovilpatti on 22 and 23 February 2013.

12. Danya U, M.R. Udhayasankar and K. Arumugasamy. Hypoglycaemic activity of methanolic aerial parts and tuber extracts of *Stephania wightii* (Arn.) Dunn- an endemic medicinal plant. UGC sponsored National Conference on Role of Biotechnology in conservation of biodiversity held at Kongunadu Arts and Science College, Coimbatore on 9 and 10 April, 2013.

13. Danya U, M.R. Udhayasankar and K. Arumugasamy. Anti- Hyperlipidaemic activity of methanolic extracts of *Stephania wightii* (arn.) Dunn (Menispermaceae)- An endemic medicinal plant. UGC sponsored national conference on Emerging trends in medicinal plants and herbal products held at V.H.N. Senthilkumara Nadar College, Virudhunagar on 12 and 13 December, 2013.

14) Poster Presentation

1. Presented and got first prize in Poster presentation in the Third Indian Biodiversity Congress held at SRM University, Chennai, Tamilnadu during 18 to 20 December, 2014 entitled “In vitro conservation of an endemic medicinal plant *Stephania wightii* Arn. (Dunn) from Western Ghats, Southern India”.

2. Poster presentation in the Fourth Indian Biodiversity Congress held at Pondicherry University, Puducherry on 10 to 12th March, 2017 entitled “In vitro conservation of *Caralluma sarkariae* – An endemic and endangered medicinal plant from Southern Western Ghats, Tamilnadu”

15) Participation in Conference

1. National Conference on Bio-safety management and good laboratory practices, Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore on Feb 4, 2012.

2. National seminar on Environmental issues, challenges and impact assessment held at Kongunadu Arts and Science College, Coimbatore on 28th April, 2012.

3. One day state level seminar on Climatic changes and its impact on Bioresources held at Sri Parasakthi College for Women (Autonomous), Courtallam on 23rd December, 2013.

4. National seminar cum medicinal plant exhibition on “Complementary and alternative Indian system of medicine” held at Nirmala College for Women, Coimbatore on 1st and 2nd February 2019.

5. International video conference “Current Scenario in Plant Sciences” held at Nirmala College for Women, Coimbatore on 27th September 2019.

6. National Symposium on “Plastic Pollution” held at Department of Zoology, Virama simhapuri University, Kavali on 15 and 16th February, 2019.

7. National Conference on “Future Trends in Marine Biotechnology” held at Centre for Marine science and Technology, Manomaniam Sundaranar University, Rajakkamangalam on 14th and 15th February, 2019.

8. Conference on Varma, Siddha on Free Siddha & Varma Camp held at Nirmala College for Women, Coimbatore on 29th February, 2020.

9. One day National Level symposium on “Exploration of Research Innovations: Its Trends and Challenges” held at Nirmala College for Women, Coimbatore on 11th January, 2020.

10. One day International e conference on “Contemporary Innovative Developments in Applied Biology” held at Nirmala College for Women, Coimbatore on 22nd January 2020

16) Participation in Workshop

1. Workshop on Recent Trends in Plant Sciences, Department of Botany, School of life sciences, Bharathiar University on 8-10th February, 2011.

2. 12 days National level workshop on Modern technologies in crop improvement, P.S.G.R Krishnammal College for women, Coimbatore on 15- 26th November, 2011.

3. Workshop on Development of science and technology location specific research and demonstration projects, Department of Botany, Kongunadu Arts and Science College, Coimbatore on March 17, 2012.

4. Department of Environment, Govt. of Tamilnadu sponsored one day workshop on Natural resource management for environmental security held at Kongunadu Arts and Science College, Coimbatore on 28th January, 2013.

5. One day training programme on Flower arrangement and Horticultural techniques held at Sri Parasakthi College for Women (Autonomous), Courtallam on 29th August, 2013.

6. Workshop on Preparations of E content- Design, Editing and Production organized by Department of Zoology, Nirmala College for Women, Coimbatore on 9 and 10th February 2016.

7. National workshop on The Exploratory Modules in OMICS Biology held at Nirmala College for Women, Coimbatore on 14th and 15th September, 2017.

8. International Conference on Biodiversity, Climate change and Environmental sciences, 2017 held at Nirmala College for Women, Coimbatore on 8th and 9th September, 2017.

9. Workshop on Outcome based education organized by IQAC, Nirmala College for Women, Coimbatore on 13th October 2018.

10. Global Tiger Day celebration held at clusters institute of Media and Technology, Coimbatore on 20th July 2018.

11. International workshop on Glorious Global Model plant held at Nirmala College for Women, Coimbatore on 18th February 2019.

12. Workshop on Innovative Ecosystems, Incubation Centres and Start-Ups for Higher Institutions held at Nirmala College for Women, Coimbatore on 19th March, 2020.

13. Workshop on Revised guidelines for the Accreditation process of NAAC held at Nirmala College for Women, Coimbatore on 7th March 2020.

17) Participation in Orientation Programme/ Induction Programme/ Short term Courses

1. Orientation Programme in Bharathiar University, Coimbatore on HRDC- Bharathiar University, Coimbatore on 17.11.2017 to 14.12.2017.

2. Participated in Refresher course in Botany conducted by the UGC- HRDC, Madras University, Chennai on 10.10.2019.

3. Biodiversity Internship Programme on GPS, GIS, Bird watching, Organic farming, trekking, coastal walk, Pitachavaram mangrove visit, Plant identification, Exposure visit to Auroville and Art and Craft village activity on 20th to 23rd February, 2019 at the Universal Eco foundation, Koonimedu.

18) Participation in Faculty Development Programme

1. Staff development programme on Managing biotechnologies and emerging issues in research and development, Institute of Public Enterprise, Hyderabad on 7-14 Feb, 2012.

2. Environmental audit of Infrastructure, Extension activity and Institutional social responsibility: Participated in the Faculty development programme organized by IQAC, Nirmala College for women on 30th October 2015.

3. Faculty development programme on “Statistical Analysis using SPSS” organized by Nirmala College for women, Coimbatore on 14th December, 2018.

4. Faculty development programme on “Tuning Academic Research for Potential funding opportunities” organized by Nirmala College for women, Coimbatore on 19th January, 2019.

5. Faculty development programme on Innovative teaching strategies, organized by Curriculum Development cell, Nirmala College for women, Coimbatore on 30th October 2019.

19) Invited Speaker

1. Dr.U. Danya has served as a resource person and delivered a lecture in Association meeting on the topic “Carriers in Botany” and “Terrace gardening” Organized by the Department of Botany, Kavithas College of Arts and Science, Thiruchencode on 21.08.2018.

20) Membership in Professional bodies

Name of Professional body	Nature of Membership
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Indian Science Congress Association, Kolkata, India	Life member
Nature Science Foundation, Coimbatore, Tamilnadu	Annual member