

## STAFF PROFILE

- 1) Name : Dr. U. Danya
- 2) Designation : Assistant Professor
- 3) Department : Botany
- 4) Qualification : M.Sc., Ph.D., SET.
- 5) Experience : Teaching : 7 years Research : 6 Years
- 6) Area of Specialization (s) : Phytochemistry and Pharmacognosy
- 7) E-mail : danya.bio@gmail.com
- 8) Academic Qualifications :
- **Bachelor of Science** (Botany), with an aggregate of 80% during 2004-2007 in Standard fireworks Rajarathnam College for Women, Sivakasi affiliated to Madurai Kamaraj University, Madurai.
  - **Master of Science** (Botany), with an aggregate of 86% during 2007-2009 in Ayyanadar Janakiammal College for Arts and Science (Autonomous), Sivakasi affiliated to Madurai Kamaraj University, Madurai.
  - **Ph.D.**, (Botany) 2010-2013 with highly commended position in Kongunadu Arts and Science College (Autonomous), Coimbatore affiliated to Bharathiar University, Coimbatore.
  - **Qualified in State eligibility test for lectureship (SET- 2016)** affiliated to Mother Theresa University, Kodaikanal.
- 9) Additional qualification

<b>Diploma/ Vocational/ Certification</b>	<b>Area of Specialization</b>	<b>Institution/University/ Agency name</b>	<b>Year</b>
Certificate course	High performance Liquid chromatography	Ayyanadar Janaki ammal college, Sivakasi	2007
Certificate course	Information technology	Ayyanadar Janaki ammal college, Sivakasi	2008
SWAYAM Course	Forest and their Management	NPTEL	2021

10) a. Projects Completed

Project Title	Agency	Amount	Duration
<i>In vitro</i> Conservation, phytochemical characterization, Anti-inflammatory and Antidiabetic activities of an endemic medicinal plant <i>Caralluma sarkariae</i> R. Br., from Southern Western Ghats	UGC Minor	Rs. 3,15,000/-	2015-2017

b. Projects Ongoing

Project Title	Agency	Amount	Duration
Sustainable management and Conservation of medicinal, indigenous and fruit yielding tree species and developing a nursery centre in the Nirmala College campus, Southern Tamilnadu, India.	Nirmala College Management, Seed money project	Rs. 10,000/-	2021-2022

11) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	Nil	2
M. Phil.	1	1

12) Research Publications

- Danya, U.,** 2017. *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.* 6(4): 1181-1189.
- Danya, U.,** 2017. *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.* 5(2): 133-135.
- M. Kamaraj, V. Dhana Rangesh Kumar, T. G. Nithya & **U. Danya,** 2019. Assessment of Antioxidant, Antibacterial Activity and Phytoactive Compounds of Aqueous Extracts of Avocado Fruit Peel from Ethiopia. *International Journal of Peptide Research and Therapeutics.* 26: 1549–1557.

4. **Danya, U.,** 2019. *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.*8(5): 767-774.

5. **Danya, U.,** 2020. Green chemistry synthesis of Zinc nanoparticles (ZnONPs) of *Dioscorea pentaphylla* L. (Dioscoreaceae) and its potential anticancer effects against (MCF-7) human breast cancer cells. *International Journal of Recent Scientific Research.* 12(2): 40872- 40878.

#### 13) Other Publications

- Danya U, 2017. *In vitro* conservation of *Caralluma sarkariae*- An endemic and endangered medicinal plant from Southern Western Ghats, Tamilnadu. Proceedings in National seminar , organized in connection with Fourth Indian Biodiversity Congress (IBC 2107) at Pondicherry University, Puducherry held on 10<sup>th</sup> to 12<sup>th</sup> March 2017.

#### 14) Book Publications

- 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.

#### 15) Presentations in Conference

1. Danya U, 2017. *In vitro* conservation of *Caralluma sarkariae*- An endemic and endangered medicinal plant from Southern Western Ghats, Tamilnadu. National seminar held on 10<sup>th</sup> to 12<sup>th</sup> March 2017, organized in connection with Fourth Indian Biodiversity Congress (IBC 2107) at Pondicherry University, Puducherry.

2. Danya U, 2019. *In vitro* cytotoxicity activity of aqueous extract of *Sargassum wightii* Greville ex J. Agardh (Sargassaceae) from Pulicat lake - a Salt water lagoon on the Coromandel Coast, Chennai. National Conference on Future Trends in Marine Biotechnology (FTMBT 2019) held on 14<sup>th</sup> and 15<sup>th</sup> February 2019 at Vivekananda Kendra, Kanyakumari organized by Centre for Marine Science and technology, Manonmaniam Sundaranar University, Rajakkammangalam, Kanyakumari District, Tamilnadu.

#### 16) Participation in Conference

- National Symposium on Plastic pollution organized by the Department of Zoology, Vikrama Simhapuri University PG Centre, Kavali, Nellore district, Andrapradesh on 15<sup>th</sup> and 16<sup>th</sup> February 2019.
- National conference on Futuristic Intricate stratagems in Computational Genomics (CGEN, 2019) organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on 24<sup>th</sup> and 25<sup>th</sup> January, 2019.

- Global Tiger day celebration organized by Nature conservation society, World Wide Fund for Nature, Rotary Club, Clusters Institute of media and technology, Nirmala college for Women, PSGR Krishnammal college for Women, Coimbatore on 20<sup>th</sup> July 2018.
- National webinar on Protected cultivation: A technological update organized by Department of Agriculture, Dev Samaj College for Women, Ferozepur city on 28<sup>th</sup> January 2021.

#### 17) Participation in Seminar

- International webinar titled Irrigation and Ecosystems Organized by the Department of Botany, Stella Maris College, Chennai on 21<sup>st</sup> September, 2021.
- International webinar on Recent Developments in genetics/ genomics medicine organized by PG and Research Department of Botany, Pachaiyappas College, Chennai on 7<sup>th</sup> August 2021.
- National webinar on Climate change organized by the Department of Botany, Nirmala College for Women, Coimbatore on 21<sup>st</sup> May 2021.
- National webinar on Startup strategies in Medicinal Botany organized by the Department of Botany, Thiagarajar College, Madurai on 17<sup>th</sup> March, 2021.

#### 18) Participation in Workshop

- National workshop on The Exploratory modules in OMICS Biology organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on 14<sup>th</sup> and 15<sup>th</sup> September 2017.
- Workshop on Preparation of e content – Design, Editing and Production organized by the Department of Zoology, Nirmala College for Women, Coimbatore on 9<sup>th</sup> and 10<sup>th</sup> February, 2016.
- Workshop on outcome based education organized by the IQAC, Nirmala College for Women, Coimbatore on 13<sup>th</sup> October, 2018.

- Workshop on Revised guidelines for the accreditation process of NAAC organized by the Internal Quality Assurance cell, Nirmala College for Women, Coimbatore on 7<sup>th</sup> March, 2020.
- Workshop on Innovative Ecosystems, Incubation Centres and Start-Ups for Higher Education Institutions organized by the Internal Quality Assurance cell, Nirmala College for Women, Coimbatore on 19<sup>th</sup> March, 2020.
- International workshop on Glorious Global Model plant organized by the Department of Botany, Nirmala College for Women, Coimbatore on 18<sup>th</sup> February, 2019.
- Two days awareness workshop NIRF India Rankings 2021 for higher education Institutions on 18<sup>th</sup> and 19<sup>th</sup> January 2021 by Institute of Academic excellence in Collaboration with collegiate education & technical education department, Telangana State.
- Workshop on The art of Nurturing greenery organized by the department of Botany with Stella centre for effective education and Development, Stella Maris College, Chennai on 18<sup>th</sup> and 19<sup>th</sup> May 2020.

#### 19) Participation in Orientation Programme/ Induction Programme/ Short term Courses

- Orientation Programme in Bharathiar University, Coimbatore on HRDC- Bharathiar University, Coimbatore on 17.11.2017 to 14.12.2017.
- Participated in Refresher course in Botany conducted by the UGC- HRDC, Madras University, Chennai on 10.10.2019.
- 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 20<sup>th</sup> to 23<sup>rd</sup> February, 2019 at the Universal Eco foundation, Koonimedu.

#### 20) Participation in Faculty Development Programme

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

- Faculty development programme on “Statistical Analysis using SPSS” organized by Nirmala College for women, Coimbatore on 14th December, 2018.
- Faculty Development Programme on Innovative Teaching strategies organized by the Curriculum Development cell, Nirmala College for Women, Coimbatore on 30<sup>th</sup> October, 2019.
- Faculty Development Programme on Tuning Academic Research for Potential funding opportunities organized by the Department of Chemistry, Nirmala College for Women, Coimbatore on 19<sup>th</sup> January, 2019.
- Faculty Development Programme on Environment Audit of Infrastructure, Extension activity and Institutional Social Responsibility organized by the IQAC, Nirmala College for Women, Coimbatore on 30<sup>th</sup> October, 2015.
- Faculty Development Program on “Digital Classroom Formation” on 12th June 2020 organized by Department of Business Administration, Government Arts College, Coimbatore.
- Webinar series for Faculty Bioscience for Enriching Human life organized by the Department of Biochemistry and Microbiology, Sri Ramakrishna College for Arts & Science for Women, Coimbatore from 14<sup>th</sup> to 17<sup>th</sup> May, 2020.
- International faculty development program on Biological sciences organized by PG and Research Department of Botany, Nallamuthu Gounder Mahalingam College, Pollachi from 25<sup>th</sup> to 31<sup>st</sup> May, 2020.
- International Faculty Development Programme entitled “RECENT INNOVATIONS IN HERBAL COSMETICS” organized by Post Graduate Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Tamil Nadu on 12.05.2020.
- Faculty development program on Effective learning and teaching practices in Digital era organized by the Department of Economics, Nirmala College for Women, Coimbatore on 8<sup>th</sup> and 9<sup>th</sup> June 2020.
- National webinar on The Role of Youth in Biodiversity Conservation organized by UBA and NSS, Nirmala College for Women, Coimbatore on 6<sup>th</sup> July 2020.

## 21) Conference/ Seminar/ Workshop Organized

- National seminar cum medicinal plant exhibition on Complementary and alternative Indian system of medicine, organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on 1<sup>st</sup> and 2<sup>nd</sup> February 2019.
- International video conference Current Scenario in Plant science organized by the Department of Botany, Nirmala College for Women, Coimbatore on 27<sup>th</sup> September 2019.
- Varma, Siddha and Free siddha and Varma camp organized by the Department of Botany, Nirmala College for Women, Coimbatore on 29<sup>th</sup> February 2020.
- International e conference on Contemporary Innovative Developments in Applied Biology (CDAB-2020) organized by the Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore on 22<sup>nd</sup> January 2020.
- National Level symposium on Exploration of Research Innovations: Its trends and challenges, organized by the Department of Library, Nirmala College for Women, Coimbatore on 11<sup>th</sup> January, 2020.
- International conference on Biodiversity, Climate change and Environmental sciences-2017 organized by the Department of Botany, Nirmala College for Women, Coimbatore on 8<sup>th</sup> and 9<sup>th</sup> September, 2017.
- Faculty Development Programme on Statistical analysis using SPSS organized by the Department of Botany, Nirmala College for Women, Coimbatore on 14<sup>th</sup> December, 2018.

## 22) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- Served as Resource person in the five days Dissemination of Innovative Technology training programme on Contemporary Innovative techniques in Horticulture and gardening from 24<sup>th</sup> to 28<sup>th</sup> July, 2017, Department of Botany, Nirmala College for Women, Coimbatore.
- Served as Resource person in Association meeting on the topic Carriers in Botany and Terrace gardening organized by the Department of Botany, Kavithas College of Arts and Science, Tiruchencode from 21<sup>st</sup> August 2018.

- Served as Resource person in the Webinar on the topic Mushroom Cultivation Technique- An Entrepreneurial approach organized by the Department of Botany, G. Venkataswamy Naidu College, Kovilpatti on 12<sup>th</sup> August 2021.
- Served as Resource person in the Inter-departmental Entrepreneurial Development Program on the topic Mushroom farming- A way to fostering Women Entrepreneurs organized by the Department of Botany, Standard fireworks Rajarathnam College for Women, Sivakasi on 31<sup>st</sup> Augst 2021.

### 23) Membership in Professional Bodies

<b>Name of Professional Body</b>	<b>Nature of Membership</b>	<b>Duration</b>
Indian Science Congress Association, Kolkata, India	Life member	Life time
Nature Science Foundation, Coimbatore, Tamilnadu	Annual member	One Year
International Technical Community through InSc Professional Membership	Professional Membership	Life time