

Name : Dr. M. DHANASEKARAN
Designation : Assistant Professor
Department : Botany **Date of Joining** : 26-07-2019
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Qualification:

DEGREE/ EXAM	SUBJECT	COLLEGE / UNIVERSITY & PLACE	YEAR COMPLETED
B.Sc	Botany	The American College. Madurai	2008
M.Sc	Botany	The American College. Madurai	2010
TN-SET	Life Science	Mother Teresa Women's University-Kodaikanal	2016
Ph.D	Botany	Madurai Kamaraj University. Madurai	2018

Specialization in Teaching: Phytochemistry, Tissue Culture, Biotechnology,

Specialization in Research:

- Ph.D – Phytochemistry, Pharmacology and Microbiology

Research Interests: Phytochemistry, Pharmacology and Microbiology

Other Work Experience:

Designation	Institution	Year - From (month/year) To (month/year)
Assistant Professor	Sri Vidhya Mandir Arts and Science College, Uthangarai, Krishnagiri District, Tamilnadu.	June 2017 - July 2019

Awards / Fellowships:

- Research Fellow (RF) in a NIF sponsored project on “Verification of Ethnobotanical claims in and around Madurai district, Tamilnadu” from 2010 to 2011 in the Department of Botany, The Madura College, Madurai.

Organizing member and Editor:

- Organizing Committee Member and Editor of the International Conference on “Innovative Techniques in Agriculture and Biological Sciences for Sustainable development (ICITABS - 2018)” held on 20th December 2018.

Other activities / academic credentials:

Dr. M. Dhanasekaran, Asst. Professor in Botany, The American College, Madurai

Ph.D: Botany (Spl. Phytochemistry, Pharmacology and Microbiology) The Madura College, Madurai, Tamilnadu, India.

Title: Phytochemical and Pharmacological evaluation of selected endemic plants from Western Ghats of Tamil Nadu, India

Books Publication

Title of the Book	ISBN NUMBER	MONTH & YEAR OF PUBLICATION	PUBLISHER
1. Plant Microtechniques and Seed Technology	9789388 413381	March 2019	Royal Publisher
2. Plant Breeding, Resources and Utilization	978-93-88413-41-1	April 2019	Royal Publisher

Journals Publication

- 1 S.Shanmugam, G.Muthuraja, **M.Dhanasekaran**, M.Annadurai and S.Gobinathan. Ethnobotanical Study on The Plants Used as Leafy Vegetables by the Paliyar Tribes of Pachalur in Dindigul District of Tamil Nadu, India. Life Sciences Leaflets 4:44-47, 2012.

- 2 S.Shanmugam, G.Muthuraja, M.Annadurai, **M.Dhanasekaran** and S.Gobinathan. Ethnobotanical Study on the Plants Used for the Preparation of Baskets and Ropes by Paliyar Tribes of Pachalur in Dindigul District of Tamil Nadu, India. Life Sciences Leaflets 4:27-30, 2012.
- 3 **M.Dhanasekaran**, S.Karuppusamy, M.Annadurai, K.M.Rajasekaran. "Evaluation of Phytochemical Constituents of Indian Medicinal Plant *Hydnocarpus alpina* Wt". Indian J. Pharm. Biol. Res Vol. 1 (3), Sep., 2013.
- 4 **M.Dhanasekaran**, GC.Abraham and S.Mohan. The Investigation of Micropropagation on *Kigelia pinnata*.D.C. International Journal of Pharmaceutical, Chemical and Biological Sciences (Ijpcbs) 2014, 4(2).
- 5 **M.Dhanasekaran**, GC.Abraham and S.Mohan. Preliminary Phytochemical and Histochemical Investigation on *Kigelia pinnata* D.C. International journal of Pharma Sciences and Research (ijpsr). Vol 5, 07 Jul 2014.
- 6 **M.Dhanasekaran**, GC.Abraham and S.Mohan. The Evaluation of Pharmacological potential on *Kigelia pinnata* D.C. International journal of Pharma Sciences and Research (ijpsr). Vol 5, 08 Aug 2014.
- 7 **M.Dhanasekaran**. Phytochemical Screening of *Ardisia blatteri* Gamble - An endemic plant of Southern Western Ghats, Tamil Nadu. Int. Res. J. Pharm. 2016; 7(2):31-35. <http://dx.doi.org/10.7897/2230-8407.07216>. (ISSN NO:2230-8407)
- 8 Mohan, S., N. Chithambranathan, G. Grace Lydial Pushpaltha, **M.Dhanasekaran** and G.C Abraham. Phytochemical profile and acute toxicity studies with ethanolic extract of *Syzygium alternifolium* (WIGHT) WALP. Int. Res. J. Pharm. 2019; 10(11):38-43. <http://dx.doi.org/10.7897/2230-8407.1011317>. (ISSN NO:2230-8407)
- 9 **M.Dhanasekaran**. Evaluation of Nootropic activity of ethanolic extract of *Ardisia blatteri* using different experimental models in rats. Asian journal of Research in Pharmaceutical Sciences. 9(4): October-December, 2019. (ISSN NO: 2231-5659).
- 10 Mohan, S., N. Chithambranathan, G. Grace Lydial Pushpaltha, **M.Dhanasekaran** and G.C. Abraham. Anti-Hyperglycemic effects of extract of *Syzygium alternifolium* (WIGHT) WALP. in alloxan induced diabetes rat models. Int. Res. J. Pharm. 2019; 11(2):1-5. (ISSN NO:2230-8407)

GUIDANCE FOR RESEARCH:

RESESRCH PROGRAM	NO.OF CANDIDATES COMPLETED	NO.OF CANDIDATES PURSUING	YEAR
B.Sc.	9	--	2019-2020

Thesis guided and Student Projects supervised:

→ Phytochemical Analysis of selected medicinal plants. P. Balakrishnan (17bot10), B.Jeyaraman (17 Bot 21), M. Mahendra Krishnan (17bot30), P. Padaiyappa (17 Bot 37), C.Rahuldravid (17 Bot 42), M.Subash (17 Bot 50), M.Udhayaeswaran (17 Bot 53), S.Arun Kumar (17 Bot 60), N.Thanga Ganeshan (17bot 61) April, 2020

Presentation/Participation/ Conference / Seminar/ International level

- Presented a paper entitled “Phytochemical screening of *Ardisia blatteri* Gamble - an endemic plant of Southern Western Ghats, TN in the International Conference on Frontiers in Life Science (ICFLS – 2016)” organized by the Department of Botany, St.Joseph’s College (Autonomous), Tiruchirappalli –2, TamilNadu, India on 7th and 8th January 2016.
- Presented a paper entitled “Phytochemical analysis of ethanolic extract of *Ardisia blatteri*, an endemic plant from Western Ghats of Tamil Nadu, India” in the International Conference on “Innovative Techniques in Agricultural and Biological Sciences for Sustainable development (ICITABS - 2018)” organized by the PG Department of Botany and Zoology, Sri Vidya Mandir Arts and Science College, Katteri on 20th December 2018
- Presented a paper entitled “Evaluation of salinity stress in *Lablab purpurea* L.” in the International Conference on “Innovative Techniques in Agricultural and Biological Sciences for Sustainable development (ICITABS - 2018)” organized by the PG Department of Botany and Zoology, Sri Vidya Mandir Arts and Science College, Katteri on 20th December 2018.
- Presented a paper entitled “Pharmacological screening of *Kigelia pinnata* D.C. Indian medicinal plant” in the International Conference on “Innovative Techniques in Agricultural and Biological Sciences for Sustainable development (ICITABS - 2018)” organized by the PG Department of Botany and Zoology, Sri Vidya Mandir Arts and Science College, Katteri on 20th December 2018.

National level

- ✓ Presented a paper on “Morphology and Fine Structure of Bacteria” in intra Departmental Seminar on Plant Biology & Plant Biotechnology on 3rd March 2007.
- ✓ Participated in the “Commemoration of the International year of Biodiversity – 2010” Organised by Alagappa University, Kariakudi on 21st December 2010.
- ✓ Participated One Day National Seminar on “Challenges in Animal Biotechnology & Environmental Management Research” conducted by Bharathidasan University, Trichy on 23rd June, 2011.
- ✓ Participated in the National Seminar on “Herbal Wealth – Traditions and New Approaches” organized by the Department of Botany, Nesamony Memorial Christian College, Marthandam on 27th and 28th January 2012.
- ✓ Participated in the state level intercollegiate students seminar organized by the Department of Botany and Biotechnology, Thiagarajar college, Madurai on 24th February 2012.
- ✓ Participated in UGC the state level seminar on “Emerging Trends in plant sciences” organized by the Department of Botany, The Madura College, Madurai on 7th February 2012.
- ✓ Presented a paper entitled in “Evaluation of Preliminary phytochemical Analysis of an endemic Plant *Hydnocarpus alpina* wt” organized by centre for Biodiversity and Forest Studies, Periyar university, Salem on 6th and 7th January 2014.
- ✓ Participated in the National Conference on “Challenges and Future Prospects of Applied Research in Life Sciences” conducted by Department of Biochemistry, Bharathidasan University, Trichy on 6th February, 2015.
- ✓ Presented a paper entitled “Chemical composition of the GCMS and LCMS of *Ardisia blatteri* – an endemic plant from Western Ghats of Tamil Nadu, India in National seminar on Recent Trends in Botany (RTB - 2016)” organized by Department of Botany, Jamal Mohamed College(Autonomous), Tiruchirappalli –20, TamilNadu, India on 24th February 2016.
- ✓ Presented a paper entitled “Phytochemical assessment and antimicrobial activity of *Ardisia blatteri* Gamble – an endemic plant of southern Western Ghats. Tamil Nadu, India in National conference on Advances in Biological and Environment Sciences (NCABES - 2016)” organized by Department of

Biology, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, February 25 - 26, 2016.

- ✓ Presented a paper entitled “The investigation of micropropagation on *Kielia pinnata* D.C. in the 9th NABS National Conference on New Biological Resources: Opportunities and Challenges for Sustainable Development” organized by School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai – 21 on August 11th and 12th 2016.
- ✓ Participated National seminar on “Recent trends in Biology” organized by the Department of Botany and Zoology, The Madura College, Madurai on 6th March, 2017.
- ✓ Presented a paper entitled “Anti-inflammatory and Analgesic activity of ethanolic extract of *Ardisia blatteri* – an endemic plant from Western Ghats, Tamilnadu, India in the National seminar on Ancient Herbal Remedies for Modern Times” organized by PG Department of Botany, Adhiyaman Arts and Science College for Women, Uthangarai, Krishnagiri District held on 31st August 2017.
- ✓ Presented a paper entitled “Phytochemical and Pharmacological evaluation of *Kigelia pinnata* D.C ” in the National Seminar on “New Horizons in Plant Biotechnology” (NHPB-2017) held on 6th December 2017 at Department of Biotechnology, Periyar University, Periyar Palkalai Nagar, Selam-636011, TamilNadu, India.
- ✓ Presented a paper entitled “Approach on Chemical composition of the GCMS and LCMS of *Hydnocarpus alpina* – an endemic plant from Western Ghats of Tamil Nadu, India” in the National Conference on “Advanced Bio Chem Development – 2018” organized by Department of Biochemistry, Sarada Niketan College for Women, Amaravathipudur, Karaikudi held on 18th and 19th September, 2018.
- ✓ Presented a paper entitled “Microbial Evaluation of *Ardisia blatteri* – an Endemic Plant from Western Ghats of Tamil Nadu, India” in the National Seminar on Miracle (NAMM - 2018) organized by Department of Microbiology, V.H.N. Senthikumara Nadar College, Virudhunagar, Tamilnadu on 25th September, 2018
- ✓ Presented a paper entitled “Evaluation of Anti inflammatory property of Indian Medicinal Plant *Hydnocarpus alpina* WIGHT” in National Conference on “Innovative Approaches and Modern Techniques in Biological Sciences 2019 (IAMTABS - 2019)” held on 22nd January 2019 at the Department of Botany, School of Life Sciences, Periyar University, Salem -11.
- ✓ Presented a paper entitled “Evaluation Of Nootropic Activity Of Ethanolic Extract Of *Ardisia Blatteri* Using Different Experimental Models In Rats” in National Conference on “Empower in rural Communities through innovations in Science and Technology” held on 21st and 22nd February 2020 at Kongunadu Arts and Science College, Coimbatore, Tamilnadu, India.

- ✓ Participated UGC state level seminar on “ Emerging trends in Biotechnology” by Dept. of Botany, The Madura College, Madurai on 22nd January 2020.
- ✓ Participated UGC sponsored one day National level seminar on “Plant sciences in the Fourth Wave” by Dept. of Botany, Sri Meenakshi Govt Arts College for women, Madurai on 14th February 2020.

Training/Workshops:

- ❖ On Job Training: Trained Bio fertilizing techniques at Sakthi Biofertilizer Organisation, T.Vadipatti, Madurai in 2007.
- ❖ Participated in the short term training programme on “ Agroindustrial Applications of Plant Tissue Culture, Agrobacterium Mediated Gene Transfer and PCR Techniques” from 24th November to 8th December 2011 at post Graduate and Research Department of Botany, Saraswathi Narayanan College(Autonomous), Madurai, Tamil Nadu.
- ❖ Participated in One Day Workshop on “Green Health Therapy - Sustainable Utilization and Conservation of Medicinal Plants” organized by the Departments of Botany and Biotechnology, V.V.Vanniaperumal College for Women, Virudhunagar, Tamil Nadu, India on 20th January 2012.
- ❖ Participated in “State Level Lecture Cum Training Programme on Research Instruments” Organized by the Instrumentation Centre, Ayya Nadar Janaki Ammal College, Sivakasi on 28th and 29th September 2012.
- ❖ Participated in One Day Workshop on “Plant Tissue Culture: A Biotechnological Tool” in the Department of Plant Morphology and Algology, School of Biological Sciences, Madurai Kamaraj University, on 2nd March 2015.
- ❖ Participated in One Day Workshop on “Research Methodology” held on 22nd December 2016 in Madura College, Madurai.
- ❖ Participated the Science Academies Lecture Workshop on “ Linnaean to Digital Era of Plant Systematics” organized by the PG and Research Department of Botany, NGM College, Pollachi on 7th and 8th December 2017.

- ❖ Participated State Level of Workshops on “Advances in Bio-organic Farming” organized by Department of Botany, SVN college on 26th February 2018.
- ❖ Participated Science Academic Lecture Workshop on “Recent Advance in Biological Sciences” held on 11th and 12th December 2018 department of Botany, Vivekananda College, Tiruvedakam West, Madurai.
- ❖ Participated National Workshop on “Sustainable Agriculture and Forestry for Securing Rural Livelihoods” held on 18th February 2019 department of Botany, SVN College, Nagamalai, Madurai.
- ❖ Participated SPARC-INDO- US immunology workshop jointly organized by IIT, India and The George Washington University, USA on June 12 &13 2020.

Webinar Attended

- ✓ Participated in the Moodle Learning Management System training organized at Sree Narayana College, Chengannur on 20th March 2020.
- ✓ Participated in the Webinar on “Additive Manufacturing for Bioimplant Manufacturing and its Challenges” Organized by Department of Mechanical Engineering and Research Committee, Arasu Engineering College, Kumbakonam held on 13th May 2020.
- ✓ Participated in Season 5 of Skycampus on the theme “The Future of Skills -Education , Employment and Entrepreneurship conducted on 11th May to 15 May 2020.
- ✓ Participated in the Webinar on “Insights on Infectious and Rare Diseases” Organized by Department of Zoology, G.T.N. Arts and Science College, Dindigul held on 15th May 2020.
- ✓ Participated in the virtual roundtable seminar on “COVID-19 Pandemic: Impact and Strategies for education sector” organized by INYAS on May 25, 2020.
- ✓ Participated in National one day Webinar on Wildlife Conservation: Issues and Challenges in India” Organized by Department of Zoology, Bharathiyar Arts and Science College for Women, Salem held on 28th May 2020.
- ✓ Participated in the E learning program on bioinformatics as cartographic Tool in Drug Discovery Organized by Department of Bioinformatics, Alagappa University, Karaikudi from 19th -30th May 2020.
- ✓ Participated in National Webinar on “Trends in Plant Biology” Organized by Department of Botany, The American College Madurai held on 1st June 2020

- ✓ Participated International webinar on “Advancement in Extending library and information services for Academic Excellence” by the Dept. of Library, Poornima College of Engineering on June 1 2020
- ✓ Participated in National Webinar on “Young Eyes and COVID 19” Organized by Department of Microbiology, Mount Carmel College, Bengaluru on 3rd June 2020 .
- ✓ Participated in National level Webinar on “Biodiesel from marine algae” Organized by PG & Research Department of Chemistry, V.O.Chidambaram College, on 5th June 2020.
- ✓ Participated in National online conference on “Environmental Conservation on the Occasions of World Environment Day 2020 Organized by Department of Environmental Science, Punyashlok Ahilyadevi Holkar Solapur University, Solapur on 5th June 15, 2020.
- ✓ Participated in the Webinar on “Career in Biotechnology: Challenges and opportunities ” Organized by Department of Biotechnology and Botany, Sri Kaliswari College, Sivakasi on 6th June 2020.
- ✓ Participated in National Webinar on “ DNA Finger printing and its applications in genetic testing” Organized by Department of Zoology, V.O.Chidambaram College Thoothukudi held on 8th June 2020
- ✓ Participated in International Webinar on “True Facts about Viruses and Pandemic Spread” Organized by Department of Botany, Bishop Heber College, Trichy on 8th June 2020.
- ✓ Participated in National Webinar on “Corona Sciences and Analysis” Organized by Department of Botany, Ayya Nadar Janaki Ammal College, Sivakasi on 8th June 2020.
- ✓ Participated in one day National Webinar on “Biodiversity Urgent and Existential Concerns” Organized by Department of Botany, St. Mary’s College, Thoothukudi held on 10th June 2020.
- ✓ Participated in National Webinar on “Issues and Challenges of climate change on biodiversity” Organized by Department of Botany, Kandaswami Kandar’s College, Namakkal held on 11th June 2020.
- ✓ Participated in Two days National Webinar on “Tools to manage Health and Boost Immune System during COVID - 19 Crisis” Organized by Department of Chemistry, The University College for Women, Koti, Hyderabad on June 18 - 19, 2020.
- ✓ National level webinar on “ Post COVID 19. An Paradigm Shift to Online Learning” by the Dept. of Botany, Arumugam Pillai Seethai Ammal College, Thiruppathur on June 22, 2020
- ✓ Participated in International Webinar on “FTIR and HPLC Instrumentation ” Organized by PG and Research Department of Biochemistry, Rajah Serfoji Govt. College, Thanjavur, Tamilnadu on June 27, 2020

- ✓ Participated in One day National Webinar on “Archaeological Science” Organized by PG & Research Department of Chemistry, The Standard Fireworks rajaratnam College for Women, Sivakasi on June 27, 2020.
- ✓ National level webinar on “ Current status of Pteridophytes of Western Ghats of India” by the Dept. of Botany, Sarah Tucker College on June 29, 2020.
- ✓ Participated in national Webinar on “Shola Forest: A Paradise of Biodiversity ” Organized by Department of Botany, Bishop Heber College, Trichy on 17th 30th June 2020.
- ✓ Participated in Webinar on “Holistic Health for all during COVID 19 Pandemic” jointly organized by Sunrise University, Alwar (Rajasthan), Department of Education, Meerut College, Meerut & Meet the team of Doctors on National Doctor’s day on 1st July 2020.
- ✓ Participated in National Webinar on “World Sports Journalists Day” Organized by Department of Media Studies & Dept. of Physical Education, Kristu Jayanti College, Bengaluru on July 2nd 2020.
- ✓ Participated in International Webinar series on “Recent Trends in Life Sciences” Organized by Department of Zoology, G.T.N.College, Dindigul on July 2, 2020.