

CURRICULUM VITAE



Dr.M.MUTHUMARI, M.Sc., M.Phil, B.Ed., Ph.D.

Associate Professor & Head

Department of Botany

G.T.N. Arts College (Autonomous), Dindigul – 624 005

Mobile Number - +91 98428 44919, +91 6369550057

Email: gtnmuthumari@gmail.com

muthumaribotany@gtnartscollege.ac.in

Google Site: <https://sites.google.com/view/muthumarim>

Area of Specialization: Tannery Effluent Pollution on Environment

Additional Academic Assignment: Coordinator-IQAC from December 2015 to till date

PERSONAL DETAILS

Date of Birth & Age (as on 2022)	: 05.01.1968 & 54
Date of Appointment as Lecturer	: 13.03.2000
Date of Promotion as Senior Scale	: 13.03.2005
Date of Promotion as Selection Grade [Asst. Prof.]	: 13.03.2010
Date of Promotion as Associate Professor	: 15.03.2013
Date of Retirement	: 31.01.2028
Residential Address	: Plot No.6, M.S. Mathuravalli Nivas Santhosh Street, Ramamoorthy Nagar, C.I.T.U. Colony, New Vilangudi, Madurai – 625 018, Tamil Nadu.
Nationality	: Indian
Religion/Community	: Hindu / BC (Vadugan)
Family Profile	: Wife : S. Subacini Devi Daughter : M. Mathuravalli

ACADEMIC QUALIFICATION

Degree	Institution / University	Year of Study	Class
B.Sc., Botany	SaraswathiNarayananCollege, Madurai. Affiliated to Madurai Kamaraj University, Madurai	1985 -1988	I Class
M.Sc., Botany	SaraswathiNarayananCollege, Madurai. Affiliated to Madurai Kamaraj University, Madurai.	1988 - 1990	I Class
M.Phil.,	SaraswathiNarayananCollege, Madurai. Affiliated to Madurai Kamaraj University, Madurai.	1990 - 1991	I Class
Ph.D.,	Part-Time [Regn. No. P9591/2011] ANJA College, Sivakasi. Affiliated to MaduraiKamarajUniversity, Madurai.	2011 - 2018	Commended
B.Ed.,	DDE, Madras University, Chennai.	1991 - 1992	II Class

TEACHING EXPERIENCE

a) Under – Graduate : 20years 02months 17days

Course Taught	Name of the Institution	Duration
U.G. B.Sc., Zoology- (Allied Botany)	G.T.N. Arts College, Dindigul	From 13 th March 2000 to Till date.

RESEARCH EXPERIENCE

Research Degree	Title of Work / Thesis	College / University where the work was carried out
Ph.D.,	Alleviation of Tannery Effluent Caused Reduction in Growth and Metabolism of Certain Crop Plants by Bioadsorbents.	Dept. of Botany, ANJA College, Sivakasi. Madurai Kamaraj University, Madurai.
M.Phil.,	Assessment of Plant Waste for Biogas Production.	Saraswathi Narayanan College, Madurai. Madurai Kamaraj University, Madurai.

ORIENTATION PROGRAMME & REFRESHER COURSES ATTENDED

Course / Programme	Name of the Sponsoring agency	Place and Date
Orientation Programme	U.G.C. Sponsored	Academic Staff College, Bharathidasan University, Trichy, Tamil Nadu From 2.11.2006 to 29.11.2006
Refresher Course in Biology	U.G.C. Sponsored	Department of Biology, Gandhigram Rural Institute, Gandhigram, Dindigul, Tamil Nadu From 13.11.2002 to 3.12.2002
Refresher Course in Biology	U.G.C. Sponsored	Department of Plant Science, Madurai Kamaraj University, Madurai, Tamil Nadu From 15.11.2007 to 05.12.2007
Refresher Course in Biology	U.G.C. Sponsored	Department of Plant Science, Madurai Kamaraj University, Madurai, Tamil Nadu From 18.11.2010 to 08.12.2010

RESEARCH PAPERS PUBLISHED

1. **Muthumari, M., Mariappan, V. and Sureshkumar, K. 2012. Evaluation and Bioadsorption of Heavy Metal Using *Pseudomonas aeruginosa* Isolated from Electroplating Effluent. *Int. J. Environ. Biol.*,**2(3)**: 169-174. ISSN: 2277-386X, Impact Factor: 1.818.**
2. **Muthumari, M., Ramasubramanian, V. and Mariappan, V. 2015. Treated Tannery Effluent Induced Changes in Growth and Pigments Content in Seedlings of *Vignaradiata* (L.) Wilczek. *Int. J. Res. Environ. Sci. Technol.*,**5(3)**: 81-85. ISSN: 2249-9695, Impact Factor: 1.922.**
3. **Muthumari, M., Ramasubramanian, V. and Mariappan, V. 2016. Mitigation of Hazardous Nature of Treated Tannery Effluent Using Bioadsorbents. *Int. J. Res. Environ. Sci. Technol.*,**6(1)**: 10-13. ISSN: 2249-9695, Impact Factor: 1.922.**
4. **Muthumari, M., Padmapriya, K.R., DivyaBarathi, S., Pandeewaran, M. and Renuga Devi, N. 2021. Phytochemical Analysis and Green Synthesis of Silver Nanoparticles by Kariveppillai Fruits Extract - Biological Activity Study. *Ind. J. Nat. Sci.*,**2(64)**: 29383-393. ISSN: 0976-0997,**

RESEARCH PAPERS PRESENTED

1. **Muthumari, M.** and Ramasubramanian, V., presented a paper on **“Treated Tannery Effluent Induced Changes in Growth and Pigments Content in Seedlings of *Vignaradiata*(L.) Wilczek”** in a National Seminar on “Recent Trends in Plant Science” organized by Dept. of Plant Biology and Plant Biotechnology, ANJA College, Sivakasi, and Sponsored by UGC – SERO, Hyderabad, on 18th& 19th September, 2014.
2. Mariappan, V. Ramasubramanian, V. and **Muthumari, M.**, presented a paper on **“Effect of Waste Water from Tannery on the Growth of Some Tree Species”** in a National Conference on “Modern Trends in Biodiversity Conservation and its Sustainable Utilization” organized by PG & Research Dept. of Botany, Periyar Arts College, Cuddalore, Tamilnadu.; on 7th and 8th April, 2014.
3. **Muthumari, M.** and Ramasubramanian, V. 2014. **“Treated Tannery Effluent Induced Changes in Growth and Pigments Content in Seedlings of *Vignaradiata* (L.) Wilczek”**. In U.G.C. Sponsored, **National Seminar** On Recent Trends in Plant Science, Dept. of Plant Biology And Plant Biotechnology, AyyaNadar Janaki Ammal College (Autonomous), Sivakasi, Tamilnadu, **18th and 19th, September, 2014.**
4. **Muthumari, M.**,Ramasubramanian, V., Mariappan, V. and Rajan, M.R., 2014. **“Effect of Tannery Effluent on Seed Germination and Growth of *Accacia* Species”**. In U.G.C. Sponsored, **National Seminar** On Recent Trends in Plant Science, Dept. of Plant Biology And Plant Biotechnology, AyyaNadar Janaki Ammal College (Autonomous), Sivakasi, Tamilnadu, **18th and 19th, September, 2014.**
5. Mariappan, V., **Muthumari, M.** and Ramasubramanian, V. 2015. **“Effect of pH and Heavy Metal Concentration on Phytoaccumulation of Chromium Using Dried Marine Green Macroalgae”**. In **International Conference** on Recent Trends in Biological Research, Organised by Dept. of Microbiology, AyyaNadar Janaki Ammal College (Autonomous), Sivakasi, Tamilnadu, **22nd December 2015.**
6. **Muthumari, M.**, Ramasubramanian, V., and Mariappan, V. 2016. **“Mitigation of Hazardous Nature of Tannery Effluent Using Bioadsorbents”**. In **International Conference** on Frontiers in Life Science, Organized by Dept. of Botany, School of Biological Sciences, St. Joseph’s College (Autonomous), Tiruchirappalli, Tamil Nadu, **7th& 8th January 2016.**

SEMINARS, CONFERENCES, SYMPOSIA AND WORKSHOPS PARTICIPATED

1. UGC Sponsored **Regional Workshop** on “**Access to the Disabled in Higher Education**” conducted at Gandhigram Rural University, Gandhigram, Dindigul on 25th March 2002.
2. **Inter-collegiate Seminar** on “**Medicinal Plants – A Boon of the Nature**” Dept. of Botany, Vivekananda College, Tiruvedagam, Madurai, on 03rd March 2003.
3. **Regional Seminar** on “**Bioinformatics**”, Dept. of Zoology, Vivekananda College, Tiruvedagam, Madurai, on 03rd January 2005.
4. **State Level Seminar** on “**Emerging Scenario on Global Warming**”, Department of Zoology, Fatima College, Madurai on 19th January 2008.
5. **National Level Workshop** on “**Genome Informatics**”, Department of Biotechnology, Alagappa University, Karaikudi from 05th January 2009 to 07th January 2009.
6. **Seminar cum Workshop** on “**Vermi-Biotechnology**”, M.V.M. Government Arts College for Women, Dindigul, on 09th January 2009.
7. **National Level Seminar** on “**Frontiers in Nanotechnology**” CSIR Sponsored, Lady Doak College, Madurai on 17th and 18th September 2009.
8. **State Level Seminar** on “**Recombinant DNA Technology**” PG Department of Zoology, Arulmigu Palani Andavar Arts College for Women, Palani on 23rd February 2011.
9. **UGC Sponsored National Level Workshop** on “**Crash Course On Angiosperm Systematics**”, Centre for Research and PG Studies in Botany, ANJA College, Sivakasi from 28th February 2012 to 03rd March 2012.
10. **UGC Sponsored National Seminar** on “**Global Warming and Its Impact**”, U.G Dept. of Botany, ANJA College, Sivakasi, on 09th March 2012.
11. **UGC Sponsored State Level Two days Lecture cum Training Programme** on “**Research Instruments**”, Instrumentation Centre, ANJA College, Sivakasi, on 28th & 29th September 2012.
12. **UGC Sponsored State Level Seminar** on “**Plant Prospecting: Ethnic to Molecular Pharming**” Organized by the Dept. of Botany & Research Centre, Madura College, Madurai on 1st March 2013.
13. **UGC-SERO, Hyderabad Sponsored National Level Seminar** on “**Recent Trends in Plant Science**” Organized by Dept. of Plant Biology & Plant Biotechnology, ANJA College, Sivakasi, Tamilnadu, on 18th & 19th September, 2014.

14. U.G.C, New Delhi Sponsored **State Level Workshop** on “**Modern Approaches in Plant Biotechnology**” Organized by Centre for Research and P.G Studies in Botany, AyyaNadar Janaki Ammal College (Autonomous), Sivakasi, Tamilnadu, on 10th& 11th February 2015.
15. Participated in the One-day Workshop on “**Examinations Reforms in Higher Education**” organized by the Office of the Controller of Examinations, GTN Arts College (Autonomous), Dindigul on 19th September 2018.
16. Acted as an Organizing Committee Member in the UGC Autonomy Grant sponsored State Level Seminar on “**Gene and Environmental Interaction**” organized by the department of Zoology, GTNAC on 4th March 2019.
17. Acted as an Organizing Committee Member in the UGC Autonomy Grant sponsored State Level Workshop on “**Hands on Training in PCR Techniques**” organized by the department of Zoology, GTNAC on 5th March 2019.
18. Participated in the State Level Seminar on “**Emerging Trends in Chemical Sciences**” catalyzed and supported by Tamil Nadu State Council for Science and Technology [TNSCST] Chennai organized by the Dept. of Chemistry, GTNAC, Dindigul on 18th October 2019.
19. Participated in the One-Day National Level Workshop in “**Art of Writing Research Paper and Publishing in High Reputed Journals**’ catalyzed and supported by Tamil Nadu State Council for Science and Technology [TNSCST] Chennai organized by the Dept. of Economics, G.T.N. Arts College, Dindigul on 4th November 2019.
20. Served as Organizing Committee Member in the **UGC-Student Induction Programme [SIP]** held at GTNAC from 12th to 19th November 2021.
21. Served as Organising Committee Member and Session Rapporteur in the ICSSR-SRC, Hyderabad sponsored Three Day National Virtual Workshop on “**SPSS & AMOS**” organized by the Department of Economics, GTNAC on 24th, 25th and 26th November 2021.
22. Participated in the UGC sponsored State Level Workshop on “**DNA Barcoding of Plants**” organized by the Centre for Research and PG Studies in Botany, ANJA College, Sivakasi on 27th May 2022.
23. Participated in National Workshop on “**Woody Plant Tissue Culture**” organized by the Department of Biology, Gandhigram Rural Institute, Gandhigram, Dindigul from 3rd to 4th March 2022.

Served as Resource Person

1. Delivered a Lecture on “**Bio-Fuel**” in the Association Meeting of Dept. of Plant Biotechnology, M.V.Muthiah Govt. Arts College For Women, Dindigul on 24th January 2013.

2. Served as Resource Person in Three-day “**Entrepreneurship Awareness Camp**” held from 16th to 18th September 2019, at GTNAC, Dindigul organized by the Dept. of Economics and sponsored by Dept. of Science & Technology [DST], New Delhi.

Extra Curricular / Co-Curricular Activities Involved

- Served as **N.S.S Programme Officer** for Unit No.134 from 19.07.2006 to 31.05.2008.
- Served as Resource person in the “**In-service Training Programme for Secondary Grade Science Teachers**” sponsored by Tamilnadu State Council for Science and Technology [TNSCST], from 2nd to 6th December 2008.
- Served as **Member Board of Studies in Botany**, Madurai Kamaraj University, Madurai from June 2010 to 31st December 2016.
- Served as **Chief Superintendent** for M.K. University Semester Examinations in G.T.N. College for 2 Semesters of 2013 – 2014 Academic Year.
- Served as **External Examiner for Practical Examination** of April 2014, B.Sc., Degree (Semester) Ancillary Biology for B.Sc., Biotechnology of M.K. University, at Mary Matha College, Periyakulam on 04/04/2014.
- Served as a **Member in the Autonomous Proposal-2015 Preparation Committee**, G.T.N. Arts College.
- Served as **Subject Expert**, nominated by Madurai Kamaraj University, in the Selection Committee for the Appointment of Assistant Professor of Botany, Vivekananda College, Tiruvedagam, Madurai on 02nd August 2016.
- Served as **Member Board of Studies in Botany in Saraswathi Narayanan College**, Perungudi, Madurai from 18th July 2016 to 17th July 2018.
- Served as **External Examiner** for the Allied Botany Practical of UG Programme at St. Antony’s College of Arts And Science for Women, Dindigul on 18th March 2019.
- Acted as a **Judge in the discipline of Botany** for the District Level show casing of the Project Specific Concept Oriented Project Experience [SCOPE] conducted by the Department of School Education, Tamil Nadu under the Scheme SamagraShiksha for Govt. Higher Secondary School Students on 23rd March 2019 at Govt. Boys Higher Secondary School, PalaniSalai, Dindigul.
- Acted as a **Judge in the discipline of Botany** for the District Level show casing of the Project Specific Concept Oriented Project Experience [SCOPE] conducted by the Department of School

Education, Tamil Nadu under the Scheme SamagraShiksha for Govt. Higher Secondary School Students on 30th November 2019 at SMBM Matric Higher Secondary School, Dindigul.

Participation In Government Assignments

- Served as **Presiding Officer** for General Election of Tamilnadu Legislative Assembly 2011, at Polling Station – Govt. Adiravidar and Tribal Welfare School, Manjalparapu – 624212.
- Served as **Chief Invigilator for Village Administrative Officer Examination** of Govt. of Tamilnadu, on 20th February 2014.
- Served as **Chief Invigilator for Village Administrative Officer Examination** of Govt. of Tamilnadu, on 14th June 2014.
- Served as **Chief Invigilator for Combined Civil Services Examination II** (non – interview posts) Group II A held on 29th June 2014.
- Served as **Presiding Officer** for General Election of Tamilnadu Legislative Assembly 2016, at Oddanchatram.
- Served as **Presiding Officer** for Local Body Election-2019 held in the month of November at Nilakottai District.

Workshop / Seminar / Programmes Organized

1. Served as a Member in organizing a Two-day Seminar for girl students entitled “**Anaemia in Adolescent Girls**” and “**Adolescent Health**” in G. T. N. Arts College, Dindigul on 8th and 9th September 2014.
2. Served as a Member in organizing One-day State Level Workshop entitled “**Biotechnology for Societal Development – Mushroom Cultivation**” in G. T. N. Arts College, Dindigul on 13th March 2012.
3. Served as a Member in organizing a One-day Seminar on **Health Awareness** in the Department of Zoology, GTNAC.
4. Served as Organizing Committee Member in UGC sponsored Two-day National Level Seminar on “**Climate Change, Environment And Agricultural Development in India**” organized by Department of Economics, GTN Arts College, Dindigul on 13th and 14th July 2017.
5. Served as Organizing Committee Member in the ICSSR sponsored Two-day National Seminar on “**Environment and Sustainable Development through Swachh Bharat Mission**” organized by the Department of Economics, G.T.N. Arts College, Dindigul on 01st & 2nd August 2018.
6. Served as a Committee Member in the One-day Student Seminar on “**Role of Youth in Disaster Management**” organized by Dept. of Economics, GTN Arts College, Dindigul on 4th January 2019.

7. Served as Organizing Committee Member in the Southern Region Level Training Program on **“Role of CSOs in Sustainable Development of WASH”** from 3rd January to 5th January 2019, organized by VishwaYuvak Kendra, New Delhi in Association with FANSA- India, VAigai Trust, Dindigul, Peace Trust, Dindigul and GTN Arts College.
8. Acted as an Organizing Committee Member in the **UGC – Student Induction Programme [SIP 2019-2020]** at GTNAC, Dindigul from 20th June 2019 to 26th June 2019.
9. Acted as Coordinator in the Three-day **“Entrepreneurship Awareness Camp”** held from 16th to 18th September 2019, held at GTN, Dindigul organized by the Dept. of Economics and sponsored by Department of Science & Technology [DST], New Delhi.
10. Served as one of the Programme Organizers in the District Level **“Interschool Science Exhibition”** organized by the Depts. of Mathematics, Physics, Chemistry & Zoology, GTN Arts College, Dindigul on 6th November 2019.

Online Certificate Courses Completed

1. 4 week [January – February 2019] Course **“Perspectives on Neurolinguistic”** with a consolidated Elite Score of 62% organized by the National Programme on Technology Enhanced Learning [NPTEL], designed by Indian Institute of Technology, Roorkee and Funded by the Ministry of HRD, Govt. of India.

2. 4 week [September – October 2020] Course **“Bioreactors”** with a consolidated Score of 46% organized by the National Programme on Technology Enhanced Learning [NPTEL], designed by Indian Institute of Technology, Madras and Funded by the Ministry of HRD, Govt. of India.

Certificate of Appreciation

1. Received the Appreciation Certificate from the GTNAC Management for the Conferment of Ph.D from Madurai Kamaraj University, Madurai during the Academic Year 2018 – 2019.

2. Received Certificate of Appreciation in recognition of publishing a Book titled “Environmental Studies” as a Co-Author, published by New Century Book House (P) Limited, Chennai. ISBN: 978-81-2343-901-3.

Programmes Organized

1. Organized a One-day Workshop on **“Opportunities and Challenges through Mushroom Cultivation”** on 24th February 2020 in association with the SRS Institute of Agriculture and Technology, Vendasandur, Dindigul. About 90 students from the department of Zoology, GTNAC and 30 students of SRS Institute, Vendasandur participated. Dr. J.V. Kvitha, Asst. Prof. and Dr. C. Malarvizhi, Asst. Prof. SRS Institute, Vendasandur were the Resource Persons.

2. Organized a Virtual Seminar [Webinar] titled “**Plant Molecular Changes is Space**” on 16th May 2020. Dr. Albert Premkumar, Tubitak-Guest Scientist, Dept. of Molecular Biology & Genetics, Istanbul University, Istanbul, Turkey was the Resource Person. About 350 participated from various States in India.

Students' Welfare Activities

1. Arranged the **MoU with Redington Foundation, Chennai** to foster the soft skill development for the 3rd year students in the month of November 2016 and Served as Coordinator till April 2017.
2. Arranged an **On-Campus Interview** in the month of April 2017 through Redington Foundation, Chennai. Nearly 18 students got placement in WIPRO Technologies Pvt. Ltd., Chennai.

Webinars Attended

1. Participated in the Online Workshop on “**Online Teaching-Make it Easy**” organized by IQAC, Govt. Arts and Science College (Women), Sathankulam, Thoothukudi, Tamil Nadu on 09th August 2020.
2. Participated in the National Webinar on “**Medicinal Plants Used in Siddha Formulation Currently Recommended For COVID-19**” organized by the PG Dept. of Chemistry, Sri Meenakshi Govt. Arts College for Women (Autonomous), Madurai, Tamil Nadu, on 6th July 2020.
3. Participated in the “**Online Assessment Tools**” of National Webinar on “**ICT Tools for Teaching-Learning**”, organized by IQAC, St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu, on 23rd July 2020.
4. Participated in the One Week Faculty Development Programme on “**Online Tools for Teaching and Learning**” organized by RUSA-M.V.Muthiah Govt. Arts College for Women, Dindigul, Tamil Nadu, India, from 7th July to 13th July 2020.
5. Participated in the FDP on “**Intellectual Property Rights in Academia**” organized by IQAC, Sri Kaliswari College (Autonomous), Sivakasi, Tamil Nadu on 27th November 2020.

Other Credentials

1. Attended the **Annual Training Camp in NCC** at Nagamalai, Madurai from 28th May to 3rd June 1987, while studying in Saraswathi Narayanan College, Madurai.
2. **Passed the Certificate “B” Examination of NCC Unit 7(TN) BN**, held in 1988, while studying in Saraswathi Narayanan College, Madurai.
3. **Passed Higher Examinations in Typewriting English** conducted by Dept. of Technical Education, Chennai, Tamil Nadu.