

## Curriculum Vitae

1. Name **Dr.P.MEHALINGAM**
2. Institutional Address Assistant Professor  
Department of Botany (**DST-FIST**  
Sponsored)  
V.H.N.Senthikumara Nadar College  
(Autonomous)  
Virudhunagar 626 001  
[mehalingam@vhnsnc.edu.in](mailto:mehalingam@vhnsnc.edu.in)  
+91 94435 45338
3. Date of Birth 15.02.1970
4. Category Gen/SC/ST/OBC OBC

### 5. Academic Qualification (Undergraduate Onwards)

Degree	Year	Subject	University/Institution	% of marks
1. B.Sc	1991	Botany	Kamaraj College, Tuticorin (Affiliated to Madurai Kamaraj University)	74.5
2. M.Sc	1993	Botany	V.H.N.S.N.College Virudhunagar (Affiliated to Madurai Kamaraj University)	66
3. Ph.D	2000	Botany	Madurai Kamaraj University, Madurai	Highly Commended

### 6. Doctoral and Post Doctoral Experience

UGC Research Award (Post Doctoral Fellow)	EVALUATION OF PHENOLIC PROFILES AND ANTIOXIDANT ACTIVITIES OF SOME RARE AND ENDANGERED ETHNOMEDICINAL PLANTS OF WESTERN GHATS, VIRUDHUNAGAR DISTRICT, TAMIL NADU	2014- 2016	VHN Senthikumara Nadar College, Virudhunagar
Ph.D.	HISTOCHEMICAL, BIOCHEMICAL AND MORPHOGENETIC STUDIES ON PLANT GALLS	2000	Madurai Kamaraj University

7. Teaching Experience: 22 Years (1.07.2000 to till date)

Research Experience: 22

8. Orientation /Refresher / Other Courses attended :

Name of the Course	Academic Staff College, University	Duration in Days	From – To (Mention Date here)
Orientation course	Academic Staff College, University of Kerala, Trivandrum	28 days	03.05.2008 to 30.05.2008
Refresher Course	Academic Staff College, University of Kerala, Trivandrum	21 days	09.05.2009 to 29.05.2009
Refresher Course on NSS	Avinashilingam Deemed University for Women, Coimbatore.	5 days	25.10.2010 to 29.10.2010
Refresher Course	ASC, Madurai Kamaraj University, Madurai	21 days	07.11.2013 to 27.11.2013
Short term Course on Research Methodology (Sciences)	UGC HRDC, Bharathiar University, Coimbatore	7 days	12.09.2019 to 18.09.2019
Short term Course on Data Analysis Research Methodology	Mother Teresa Women's University, Kodaikanal	10 days	15.07.2020 to 24.07.2020
FDP on Research Methodology Using R	University of Delhi, New Delhi	7 days	15.06.2021 to 21.06.2021

9. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of award	Awarding Agency	Year
1.	Gold Medalist in B.Sc	Madurai Kamaraj University, Madurai	1991

2.	Got Best Poster Presentation award in International Conference on Transcriptomics organized by AJ college,	Madurai Kamaraj University, Madurai	2008
3.	Got Best NSS Programme Officer Award from Madurai Kamaraj University, Madurai.	Madurai Kamaraj University,	2007 – 2008
4.	Received State level Best NSS Programme Officer Award from Govt of Tamil Nadu	State NSS Cell, Government of Tamil Nadu	2009 – 2010
5.	Received <b>UGC Research Awardee (Post Doctoral Research Fellowship)</b>	University grants Commission, New Delhi	2014- 2016

10. Overseas Exposure / Visits to participate and present papers in International Conferences in Abroad

1. Wageingen, The Netherlands 13-15 October 2008 (UGC Sponsor)
2. Malaysia, Kuching, Sarawak, Malaysia 01-05 December 2009
3. Chiang Mai, Thailand 15-18 December 2011 (UGC Sponsor)
4. Beijing, China 25-27 August 2014
5. Vientiane, Lao P.D.R December 6-11, December 2015,
6. Osaka, Japan 18-20, October 2017 (UGC Sponsor)
7. Bali, Indonesia 27-28 November 2018
8. Kuala Lumpur, Malaysia 3-4 May 2019

11. Additional Responsibilities (Administrative Activities)

1. Chief Warden for Boys Hostel from 2017 onwards
2. Placement and Training Officer
3. NSP Nodal Officer
4. Public Relation Officer
5. PFMS Nodal Officer
6. Additional Dean for Research
7. Member in Anti-ragging Committee
8. UGC Scholarship Nodal Officer
9. Nodal Officer for Puthumai Penn Scheme

12. Area of Research

Ethnobotany, Phytochemistry, Nanobiotechnology, Pharmacology, Pharmacognosy

13. RESEARCH GUIDANCE

a) Ph.D Awarded

As Guide

S. No	Name of the candidate with Reg.No	Title of the Thesis	Year of Award
1.	S.Aron (Regn. No. F8207)	Pharmacognostical and Phytochemical Studies on Selected Medicinal Plants of Ramanathapuram District, Tamil Nadu (India)	2012
2.	M.Suresh (Regn. No. F 8042)	A study on ethnomedicinal plants of western ghats pothigai hills Tirunelveli district Tamil Nadu India with special reference to skin diseases	2013
3.	P.G.S.Shirley, (Regn. No. P 9172)	Pharmacognostical and phytochemical studies on some ethnomedicinal plants of western ghats Madurai district Tamil Nadu India	2014
4.	N. Maria Francis Jeffrey Bose, (Regn. No. F 8625)	Pharmacological and Phytochemical Studies of Ethnomedicinal Plants of Western Ghats, Virudhunagar District, Tamilnadu (India)	2014
5.	V. Siva, (Regn. No. F9115)	A Study on Ethno-Veterinary Medicinal Plants Used by <i>Paliyars</i> in Southern Western Ghats of Virudhunagar District, Tamilnadu (India)	2016
6.	V.P. Elango (Regn. No. P 3396)	Pharmacognostical and Phytochemical Studies on Selected Ethnomedicinal Plants in Theni District, Tamil Nadu (India)	2016
7.	S.Geetha, M.Sc., (Regn. No. F 9245)	Studies on Antioxidant Properties of Selected Ethnomedicinal Plants in Pothigai Hills, Tamilnadu (India)	2016
8.	K. Irulandi, (Regn. No. F9479)	Evaluation of Antioxidant and Phenolic Profile of Selected Ethnomedicinal Plants in Western Ghats, Virudhunagar District, Tamilnadu (India)	2017
9.	P.Srividhya (Regn. No. F9429)	Green Synthesis, Characterization and Antimicrobial Activities of Silver nanoparticles from selected ethnomedicinal plants in Western Ghats, Dindigul District, TamilNadu (India)	2018
10	A.Tamilselvan, (Reg. No. F9404)	Synthesis, Characterization and Antimicrobial Potential of Silver nanoparticles by using selected ethno-medicinal Plants of Pothigai hills, Tamilnadu (India)	2018
11.	P.Mala Manonmani	Pharmacognostical and Phytochemical	2020

	(Reg.No. Ph.D-CB-DEC2014-0025) Bharathiar University	Evaluation of <i>Aristolochia tagala</i> Cham., <i>Coscinium fenestratum</i> (Gaertn.) Colebr., and <i>Zingiber zerumbet</i> (L) Smith	
12	Sinthia Ganeshan, (Regn. No. F9873)	Green Synthesis, Characterization and Biomedical Potential of Silver Nanoparticles using Selected Medicinal Plants of Western Ghats, Kanyakumari District, Tamil Nadu (India)	2022

As Co-Guide

13	J. Sherin, (Reg. No. F9306)	Studies on Biosynthesis and Characterization of Silver Nanoparticles and Their Antimicrobial Activity	2016
14	D.Kayalvizhi (P 4038)	Studies on In Vitro Assessment of Antioxidant and Phenolic Profile from selected species of Myrtaceae in Western Ghats, Kanyakumari District, Tamil Nadu- India	2022

Ongoing :

S.No	Name of the Candidate	Register No	Date of Registration
1.	NIVETHA E	MKU22FFOS10483	31.03.2022
2.	KAVYA KRISHNAN	MKU22FFOS10620	26 .08.2022

**b) M. Phil., & OTHER PROJECTS GUIDED**

No	Title of the Project	University	Name of the Student & Period	Remarks
1	Phytochemical Investigation and Antipyretic Activities of Two Ethnomedicinal Plants, <i>Canna indica</i> L. and <i>Pedaliium murex</i> L.	Madurai Kamaraj University	V. Siva, Reg. No. B 0820001 June 2011	Guide
2	Antimicrobial Activity and Phytochemical Screening of Some Selected Medicinal Plants in Vilavancode Taluk, Tamilnadu (India).	Madurai Kamaraj University	C. Meera Bai, Reg. No. A 9820036 April 2010	Guide
3	Screening and Documentation of Ethnomedicinal Plants in and	Madurai Kamaraj	T. Sharmila Rani, Reg. No.A 9820037	Guide

	Around Alagar Hills, Madurai District, Tamil Nadu.	University	April 2010	
4	Effect of Herbicides on the Growth and Biochemical Characteristics of <i>Vigna unguiculata</i> L. and <i>Sorghum bicolor</i> L.	Madurai Kamaraj University	K. Ganesha Prabhu, Reg. No. A 8810062 February 2010	Guide
5	Impact of Herbicides on the growth and biochemical characteristic of <i>Phaseolus mungo</i> and <i>Zea mays</i> L	Madurai Kamaraj University	S.Manthiram Reg. no. A8810060 February 2010	Guide
6	Growth and Biochemical Contents of <i>Sesbania grandiflora</i> Pers. Seedling Using Different Biofertilizer Mixed Soil Media under Nursery Conditions	Periyar University	K. Sivananaintha Perumal, Reg. No. 06 DCCA 2558 2010	Guide
7	Impact of Vermicompost, Farmyard Manure, Bio-fertilizer on Growth and Yield Characteristics of Groundnut ( <i>Arachis hypogaea</i> ).	Manonmaniam Sundaranar University	A Amirtha, Reg. No. A 6594904 2007	Guide
8	Effect of Vermicompost, Farmyard Manure, Biofertilizer on Growth and Yield Characteristics of <i>Vigna radiate</i> L.	Periyar University	Johnson P. John, Reg. No. 06 DCCA 2005 December 2007	Guide
9	Effect of Tannery Effluent on <i>Abelmoschus esculentus</i> and <i>Cyamopsis tetragonoloba</i>	Periyar University	Daisick Minj, Reg. No. 06 DCCA 2007 December 2007	Guide
10	Studies on Antibacterial Activity of <i>Tephrosia purpurea</i> .	Periyar University	Sheeba Johnson, Reg. No. 06 DCCA 2012 December 2007	Guide
11	Studies on <i>In Vitro</i> Cultivation of <i>Cardiospermum halicacabum</i> (L.).	Periyar University	J. Alagiri, Reg. No. 06 DCCA 2002 October 2007	Guide
12	Folkloristic Documentation on “Medicinally Valued” Antique Plants Used by Ethnic Tribes in Courtallam Hills (R. F) Western Ghats, Tamil Nadu: Implication Towards Primary Health Care System.	Periyar University	M. Abdul Rahiman, Reg. No. 06 DCCA 2004 December 2007	Guide
13	Effect of Vermicompost, Farmyard Manure, Bio-fertilizer on Growth and Yield Characteristics of Brinjal	Bharathidasan University	K. K. Muniaraj, Reg. No. 06 CD 25601 November 2007	Guide

	<i>(Solanum melangena).</i>			
14	Antimicrobial Activities of <i>Aristolochia indica</i> , <i>Andrographis paniculata</i> and <i>Phyllanthus emblica</i> .	Manonmaniam Sundaranar University	V. P. Elango, Reg. No. A 6594909 2007	Guide
15	A Study of Anti-Cholesteralemic Activity of Nicotinic Acid (Vitamin B3) on Cholesterol Induced Albino Rats.	Manonmaniam Sundaranar University	K. Menaka, Reg. No. A 5594905 2006	Guide
16	Impact of Vermicompost, Farmyard Manure, Biofertilizer on Growth and Yield Parameters of <i>Abelmoschus esculentus</i> L.	Madurai Kamaraj University	S. Amarnath Pandian, Reg. No. A 5811652 2005-2006	Guide
17	Evaluation of Phytochemical and Antimicrobial Properties of Some Medicinal Plants from Western Ghats, Courtallam.	Madurai Kamaraj University	K. Arulmeha Ponradha, Reg. No. A 4811352 2004-2005	Guide
18	Effect of Vermicompost, Farmyard Manure, Bio-fertilizer on Growth and Yield Characteristics of Cluster Beans ( <i>Cyamopsis tetragonoloba</i> Taub.).	Madurai Kamaraj University	V. Rajeswari, Reg. No. A 3801201 2003-2004	Guide
19	Synthesis and Antimicrobial Activities of Thiobendazole Derivatives.	Madurai Kamaraj University	S. Mahalakshimi, Reg. No. 201657 2001-2002	Guide
20	A Comparative Study on Zinc Toxicity in Four Varieties of Rice ( <i>Oryza sativa</i> L.) Viz. ADT-43, ADT-36, ASD-18 and MDO-05.	Madurai Kamaraj University	C. Jaya Vijayan, Reg. No. A 200390 2000-2001	Guide
21	Effect of Vermicompost, Farmyard Manure, Bio-fertilizer on Growth and Yield Characteristics of Bhendi <i>Abelmoschus esculentus</i> L. (Moench).	Madurai Kamaraj University	D. Jabachandra Bose, Reg. No. A 3801204	Guide

#### 14. Patents

Application No. 202241007582 A

Date of Publication: 04.03.2022

Title of Invention: **Method for manufacturing biodegradable polymeric Nanoparticle**

#### 15. Publications

1. Rameshkumar Ganesan, Palpandian Prema, and **Palanichamy Mehalingam**. 2022 Pharmacological evaluation of analgesic, anti-

- inflammatory and antidiarrheal activities of methanolic extract of *Neolitsea sericea* (Blume) Koidz. *International Journal of Botany Studies*, Volume 7, Issue 2, 2022, Pages 474-479.
2. Thilagam, M, Esakkiammal, B and **Mehalingam P** 2021 Phytomediated Synthesis and Characterization of Silver Nanoparticles from the Leaf Extracts of *Begonia malabarica* Lam and its Antimicrobial Activity, *Annals of R.S.C.B.*, ISSN:1583-6258, Vol. 25, No. 2, pp. 3640 – 36492.
  3. Ganesan, S., **Mehalingam, P.**, and Selvam, G. S. (2021). Biosynthesis and characterization of silver nanoparticles using ginger spent and their antibacterial activity. *Current Botany*, 12, 174–179. <https://doi.org/10.25081/cb.2021.v12.6590>
  4. Thilagam, M, Esakkiammal, B and **Mehalingam P** 2021 Phytomediated synthesis and characterization of silver nanoparticles from the leaf extracts of *Clausena anisata* (Willd.) Hook. F. Ex Benth. and its antimicrobial activity, *International Journal of Botany Studies*, Vol. 6, No. 2, pp. 293-298, ISSN: 2455-541X; Impact Factor: RJIF 5.12.
  5. Thilagam, M, Esakkiammal, B and **Mehalingam P** 2021 Facile synthesis of silver nanoparticles (AgNPs) using the leaf extracts of *Aristolochia tagala* L. for its photocatalytic and antimicrobial activity, *International Journal of Botany Studies* Vol. 6, No. 4, 2021, pp. 255-260, ISSN: 2455-541X; Impact Factor: RJIF 5.12.
  6. Karuppasamy P. M., Nirmal Kumar N., **Mehalingam P.** and Uma Alias Subbulakshmi S. 2019 Biogenic synthesis of Silver Nanoparticles: A Preliminary Study with *Corchorus tridens* L and Its Antibacterial Activity *World Journal of Pharmaceutical and Medical Research* 5(10): 83-85.
  7. Mala Manonmani, P. and **Mehalingam. P.** 2018. Phytochemical screening and antimicrobial activity of rhizome extract of *Zingiber zerumbet* (L) smith. *International Journal of Botany Studies*. **3(2)**: 57 – 60.
  8. Suresh, M., Irulandi, K., Siva, V. and **Mehalingam. P.** 2018. A short review on ethnomedicinal uses, phytochemistry and pharmacology of *Begonia malabarica* Lam. *International Journal of Botany Studies*. **1(6)**: 16 – 17
  9. Subbulakshmi, S.U.A., Ravi, S., **Mehalingam. P.** and **Nirmal kumar, N.** 2018. Morpho-Anatomical, histochemical, physic-chemical and thin layer



- chromatography analysis on *Annona muricata* L. seeds. *World Journal of Pharmaceutical and Medical Research*. **4(11)**: 269-274.
10. Srividhya, P., Sinthia, G., Thilagam, M. and **Mehalingam, P.** 2018. Phytochemical screening and antimicrobial efficacy of green synthesized silver nanoparticles from *Neolitsea sericea* (Blume) Koidz. *International Journal of Botany Studies*. **3(1)**: 11 – 16.
  11. Irulandi, K., Geetha, S. and **Mehalingam, P.** 2017. Antimicrobial activity of selected Indian folk medicinal plants: *Myristica fatua*, *Alstonia boonei*, *Helicteres isora*, *Vitex altissima*. and *Atalantia racemosa*. *Asian Journal of Pharmaceutical and Clinical Research*. **10(2)**: 277-280.
  12. Geetha, S., Irulandi, K. and **Mehalingam, P.** 2017. Evaluation of antioxidant and free radical scavenging activities of different solvent extracts of leaves of *Piper umbellatum*. *Asian Journal of Pharmaceutical and Clinical Research*. **10(2)**: 274-276.
  13. Tamilselvan, A., Srividhya, P., Nirmalkumar, N., Karuthapandian, S., Jeyasekaran, R. and **Mehalingam, P.** 2017. Facile route to green synthesis of Ag nanocomposites to *Crinum defixum* Ker- Gawl leaves extract using photocatalytic degradation of MB dye under NaBH<sub>4</sub> and their antimicrobial activity and Free radical scavenging sensing capability. *J. Biosci. Nanosci.* **4(1)**: 19 – 27.
  14. Tamilselvan, A., Srividhya, P., Karuthapandian, S. and **Mehalingam, P.** 2017. Phytomediated Biogenic Synthesis of Silver Nanoparticles Using Leaf Extracts of *Hugonia mystax* L. and Its Antioxidant and Antimicrobial Bio-Efficacy. *Energy Environ. Focus*, **5**: 1–7,
  15. Tamilselvan, A., Srividhya, P., Karuthapandian, S. and **Mehalingam, P.** 2016. Plant - Driven to Synthesis of Silver Nanoparticles using *Crataeva religiosa* Hook & Frost and its Utility in Detecting Antimicrobial and Antioxidant Assay. *IJGHC*. **5 (4)**: 390-402.
  16. Srividhya, P., Tamilselvan, A., Karuthapandian, S. and **Mehalingam, P.** 2016. Green Synthesis of Silver Nanoparticles, Characterization, Screening of Phytochemicals, Assessment of Antioxidant and Antimicrobial Activity Using the Bark Extracts of *Mimusops elengi* L. *Energy Environ. Focus*. **5 (3)**: 200 – 206.

17. Tamilselvan, A., Karuthapandian, S. and **Mehalingam, P.** 2016. Biosynthesis of Silver Nanoparticles Using Leaf Extracts of *Vateria indica* L and their Antimicrobial Efficacy. *J. Biosci. Nanosci.* **3(3)**: 36 – 39.
18. Irulandi, K., Geetha, S. and **Mehalingam, P.** 2016. Evaluation of antimicrobial activity and phytochemical analysis of leaves extracts of *Gymnema sylvestre* (Retz.) Schult. *Asian Journal of Biochemical and Pharmaceutical Research.* **3 (6)**: 151-156.
19. Irulandi, K., Geetha, S., Tamilselvan, A. and **Mehalingam, P.** 2016. Phytochemical characterization and GC-MS analysis of methanolic leaf extracts of *Coscinium fenestratum* (Gaertn.) Colebr. *Asian Journal of Plant Science and Research.* **6 (4)**: 24-29.
20. Irulandi, K., Geetha, S. and **Mehalingam, P.** 2016. Investigation on antimicrobial activity and phytochemical screening of *Randia spinosa* (Thunb.) Poir. and *Dillenia pentagyna* Roxb. *Journal of Coastal Life Medicine.* **4 (11)**: 879-883.
21. Irulandi, K., Geetha, S., Suresh, M., Siva, V., Nirmalkumar, N. and **Mehalingam, P.** 2016. Antimicrobial and Phytochemical analysis of different solvent extracts of barks of *Syzygium laetum* (Buch.-Ham.) Gandhi. *Journal of Natural Product and Plant Resources.* **6 (4)**:15-19.
22. Irulandi, K., Geetha, S., Tamilselvan, A. and **Mehalingam, P.** 2016. GC-MS analysis and phytochemical studies of methanolic fruits extract of *Garcinia cambogia* Hort. Ex Boerl and *Ziziphus trinervia* Roth. *Journal of Advanced Applied Scientific Research.* **1 (3)**: 90-95.
23. Irulandi, K., Geetha, S. and **Mehalingam, P.** 2016. Evaluation of Antioxidant Properties and Antimicrobial Activity of *Garcinia cambogia* Hort. Ex Boerl (Clusiaceae) fruit extracts. *Journal of Advanced Applied Scientific Research.* **1 (3)**: 74-83.
24. Irulandi, K., Geetha, S. and **Mehalingam, P.** 2016. Antioxidant, antimicrobial activities and phytochemical analysis of leaves extracts of *Dioscorea wallichii* Hook. f. *Journal of Applied Pharmaceutical Science.* **6(11)**: 70-74.
25. Geetha, S., Irulandi, K. and **Mehalingam P.** 2016. Evaluation of Phytochemical screening and Antimicrobial potential of *Begonia malabarica*

- Lam. *Asian Journal of Biochemical and Pharmaceutical Research*. **6 (3)**:157-161.
26. Geetha, S., Irulandi, K. and **Mehalingam P.** 2016. *In vitro* antioxidant activity and antimicrobial of *Neolitsea sericea* (Blume) Koidz. (Lauraceae) leaves extract. *International Journal of Bioscience and Nanosciences*. **3(3)**: 29-35.
27. Geetha, S., Irulandi, K., Nirmalkumar, N. and **Mehalingam, P.** 2016. Assessment of the Radical Scavenging Activity and Total phenolic content of Crude Methanolic leaves Extract of *Aristolochia indica* L.- Aristolochiaceae. *Journal of Advanced Applied Scientific Research*. **1 (3)**: 59- 66.
28. Geetha, S., Irulandi, K. and Sinthia G. and **Mehalingam, P.** 2016. Preliminary phytochemical screening of different solvent extracts of leaves and stem of *Crataeva religiosa* Hook & Frost *International Journal of Botany Studies*. **1(4)**: 24-26.
29. Kayal Vizhi, D., Irulandi, K., **Mehalingam, P.** and Nirmal Kumar, N. 2016. *In vitro* antimicrobial activity and phytochemical analysis of fruits of *Syzygium aromaticum* (L.) Merr. & L.M.Perry - An important medicinal Plant. *Journal of Phytopharmacology*. **5(4)**: 137-140.
30. Kayalvizhi, D, Irulandi. K, **Mehalingam, P** and Nirmalkumar, N. 2016. Antioxidant activity, Phytochemical Screening and Antimicrobial properties of *Syzygium lateum* leaves extract. *International Journal of Applied and Pure Science and Agriculture*. **2 (4)**: 23-30.
31. Suresh, M., Irulandi, K., Siva, V. and **Mehalingam, P.** 2016. A Short review on Ethnomedicinal uses, phytochemistry and pharmacology of *Begonia malabarica* Lam. *International Journal of Botany Studies*. **1(6)**: 16-17.
32. Elango, V.P., Irulandi, K., Suresh, M. and **Mehalingam, P.** 2016. Evaluation of phytochemical analysis and antimicrobial activity of different solvent seed extracts of *Caesalpinia bonduc* (L.) Roxb. *International Journal of Botany Studies*. **1(4)**: 19-21.
33. Suresh, M., Irulandi, K., Siva, V. and **Mehalingam, P.** 2016. An Ethnobotanical Study on Medicinal Plants in Southern Western Ghats of Virudhunagar district, Tamil Nadu, India. *International Journal of Ayurvedic and Herbal Medicine*. **6(4)**: 2321 –2329.
34. J. Sherin, P. Senthil Kumar, A. Tamilselvan, S. Karuthapandian, and P. Mehalingam. 2016. The Lavish Yield Synthesis of Sphere Like Structured

Silver Nanoparticles by *Peperomia dindygulensis* Miq Leaf Extract: Antimicrobial and Photocatalytic Application Energy and Environment Focus Vol. 5, pp. 77–82, 2016

35. Ramasubbu, R., Manikandan, G. **Mehalingam P.** and Pandurangan. A.G. 2015. *Impatiens courtallensis* (Balsaminaceae), a new species of *Impatiens* from Western Ghats, Tamil Nadu, India. *Phytotaxa*. **203(2)**: 199-204.
36. Aron, S., Sheela, P and **Mehalingam P.** 2015. Pharmacognostical studies on stem and leaves of *Alysicarpus monilifer* (L.) DC. *An International Journal of Plant Sciences: Phytomorphology*. **65 (3&4)**: 127 – 132.
37. Geetha, S and **Mehalingam P.** 2015. Evaluation of Antioxidant properties and Antimicrobial activity of *Syzygium munronii*. (Wight.) Chandrab.(Myrtaceae). *ISRA Journal*.**(7)**: 45 – 54.
38. Geetha, S., Nirmalkumar, N and Mehalingam, P. 2015. Evaluation of Antioxidant Properties and phytochemical screening of *Mimusops elengi* L. bark extract. *J. Biosci. Res.* **5(1)**:113-120.
39. Siva, V., Ramesh Kumar and **Mehalingam P.** 2015. Ethnoveterinary practices among Paliyar tribal communities of Southern Western Ghats in Virudhunagar District, Tamilnadu, India. *ISRA Journal*.**(7)**: 55 – 63.
40. Irulandi, K and **Mehalingam, P.** 2015. *In vitro* Antioxidant and Antimicrobial properties of *Baccaurea courtallensis* (Wight) Mull. Arg. (Euphorbiaceae) fruit extracts. *ISRA Journal*.**(7)**: 64 – 75
41. Maria Francis Jeffrey Bose, N., Aron, S. and **Mehalingam, P.** 2014. An ethnobotanical study of Medicinal Plants used by *Paliyars* aboriginal community in Virudhunagar District, Tamil Nadu (India). *Indian Journal of Traditional Knowledge*. **13(3)**: 613-618.
42. Maria Francis Jeffrey Bose, N., Natarajan, P. and **Mehalingam, P.** 2014. Pharmacological screening of leaf extracts of ethnomedicinal plant, *Vitex altissima* (Verbenaceae) for its traditional claims. *Asian Journal of Pharmaceutical and Clinical Research*. **7(1)**: 22-28.
43. Aron, S., Maria Francis Jeffrey Bose, N. and **Mehalingam, P.** 2014. Pharmacognostic evaluation of stem, leaves and roots of *Merrimia tridentata* (L) Hallier f. *Indian Journal of Traditional Knowledge*. **12 (4)**: 693-698.

44. **Mehalingam, P.** and Sam Shirley, P.G. 2014. Traditional Knowledge on Medicinal Plants Used for the Treatment of skin diseases in Madurai District, Tamil Nadu, India. *Acta Horticulturae*. **1023**: 39-46.
45. Maria Francis Jeffrey Bose, N. and **Mehalingam P.** 2014. Antinociceptive and anti-inflammatory activities of leaf extracts of ethnomedicinal plant *Kleinia grandiflora*. *Acta Horticulturae*. **1023**: 117-122.
46. Maria Francis Jeffrey Bose, N. and **Mehalingam, P.** 2013. Antipyretic activity of leaf extracts of ethnomedicinal plant, *Kleinia grandiflora* (Asteraceae). *Journal of Natural Products and Plant Resources*. **3(6)**: 1-6.
47. Suresh, M., Ayyanar, M., Amalraj, L. and **Mehalingam, P.** 2012. Ethnomedicinal Plants used to treat Skin Diseases in Pothigai hills of Western Ghats, Tirunelveli District, Tamil Nadu, India. *Journal of Bioscience Research*. **3(1)**: 112-121.
48. Aron, S., Siva, V. and **Mehalingam, P.** 2012. Pharmacognostical and Preliminary Phytochemical Investigation of *Launaea sarmentosa* (Willd.) Sch. Bip. ex Kuntze. *International Journal of Pharmaceutical Research*. **4 (2)**: 80-83.
49. Siva, V., Jeffrey Bose. N.J., **Mehalingam, P.** and Thanga Thirupathi, A. 2012. Evaluation of Antipyretic Activity of *Pedaliium murex* against Brewer's Yeast-Induced Pyrexia in Rats. *Journal of Ornamental and Horticultural Plants*. **2 (2)**: 131-137.
50. Kavitha, M.S., Wesely, E.G. and **Mehalingam, P.** 2012. Direct Multiple Shoot Regeneration from Shoot Tip and Nodal Explants of *Solanum nigrum* L. A Medicinal Herb. *Journal of Ornamental and Horticultural Plants*. **2 (2)**: 65-72.
51. **Mehalingam, P.** 2012. Morphological and Anatomical Studies of Ovary Galls of *Sesamum indicum* L. Induced by the Gall Midge *Asphondylia sesami* Felt. *Journal of Ornamental and Horticultural Plants*. **2 (3)**: 189-196.
52. Aron, S. and **Mehalingam, P.** 2012. Pharmacognostic and Preliminary Phytochemical Investigation on Leaf of *Aeschynomene indica* L. *Journal of Bioscience Research*. **3(1)**: 100-105.
53. Aron, S. and **Mehalingam, P.** 2011. Pharmacognostic Standardization of Leaves and Roots of *Mollugo nudicaulis* Lam. *Phytomorphology*. **62 (3 & 4)**: 01-11.

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## Chapter in Book

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## 16. Paper Presentation

- a) International Conferences

1. Vellaichamy Petchimuthu Elango, Murugesan Suresh and **Palanichamy Mehalingam**. Pharmacognostical standardization of leaf, stem and root of *Begonia malabarica* Lam. (Family: Begoniaceae) International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany(1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
2. Sethupandian Geetha, Natarajan Nirmalkumar, **Palanichamy Mehalingam**. Potential investigation of *in vitro* antioxidant activity and total phenolic and flavonoid content of *Mallotus philippensis* (Lam.) Mull. Arg. Methanolic leaf extract. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany(1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
3. Jeyagurunathan Indra Pon Jeyanthi, Murugesan Suresh and **Palanichamy Mehalingam**. Ethnoveterinary practices among *Kanikkars* tribal communities of southern Western Ghats in Tirunelveli district, Tamil Nadu, India. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany(1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
4. Kokkaiah Irulandi, Natarajan Nirmalkumar and **Palanichamy Mehalingam** GC – MS analysis of bioactive constituents of *Curcuma amada* Roxb. (Zingiberaceae). International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany(1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
5. Navis Jeyaraj Maria Francis Jeffrey Bose and **Palanichamy Mehalingam**. Analgesic and anti-inflammatory activities of leaf extracts of ethnomedicinal plant, *Hugonia mystax* Cav. (Family: Linaceae). International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany(1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
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7. Duraisamy Kayalvizhi, Natarajan Nirmalkumar and **Palanichamy Mehalingam**. *In vitro* evaluation of free radical scavenging activity and phenolic content of *Syzygium aromaticum* (L.) Merr. et Perry. leaf extract. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany. (1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.



8. Pari Malamanonmani, Murugesan Suresh and **Palanichamy Mehalingam**. Pharmacognostical studies and preliminary phytochemical investigations on rhizome of *Zingiber zerumbet* (L.) Sm. (Zingiberaceae). International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany. (1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
9. Vadivel siva, Ganesan Ramesh Kumar and **Palanichamy Mehalingam**. Studies of phytochemical screening and antipyretic activity of *Cissampelos pareira* Linn. and *Cryptolepis buchanani* Roem.& Schult leaves in rats. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany. (1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
10. Pattabiraman Srividhya, Swaminathan Karuthapandian and **Palanichamy Mehalingam** Synthesis of Silver nanoparticles using *Baccaurea courtallensis* (Wight) Mull. Arg. (Euphorbiaceae) leaf extract and evaluation of their antimicrobial and antioxidant activity.. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany. (1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
11. Anantharaj Tamilselvan, Swaminathan Karuthapandian S and **Palanichamy Mehalingam**. Antioxidant and Antimicrobial activity of Silver nanoparticles biosynthesized using *Syzygium laetum* (Buch.-Ham.) Gandhi leaf extract. International Symposium on Medicinal Plants and Herbal Drugs in Human and Livestock Wealth A Global Prospective, Organized by P.G. & Research Department of Botany. (1940 – 2015, Platinum Jubilee) Patchaiyappa's college.(1831 – 2015, 174<sup>th</sup> year), Chennai. 29<sup>th</sup> – 31<sup>st</sup> January, 2016.
12. **Palanichamy Mehalingam**, V. Petchimuthu Elango, Murugesan Suresh, Natarajan Nirmalkumar. Ethnomedicinal plants used by Paliyars Aboriginal community of Theni District, Tamilnadu (India). Recherche Botanique en Asie Tropicale – Botanical Research in Tropical Asia. December 6<sup>th</sup> -11<sup>th</sup>, 2015, Vientiane Capital, Lao PDR.
13. Natarajan Nirmalkumar, Pattabiraman Srividhya, and **Palanichamy Mehalingam**. Extracellular synthesis of Silver nanoparticles using the Bark extracts of *Mimusops elengi* L. (Sapotaceae) and their Antimicrobial activity. Recherche Botanique en Asie Tropicale – Botanical Research in Tropical Asia. December 6<sup>th</sup> -11<sup>th</sup>, 2015, Vientiane Capital, Lao PDR.
14. **Palanichamy Mehalingam**, Gomathi kuppusamy, Sethupandian Geetha, Kokkaiah Irulandi. Evaluation of Free radical scavenging and total antioxidant capacity by methanolic leaf extracts of *Neolitsea sericea* (Blume) Koidz. and *Gymnema sylvestre* (Ratz.) R.Br.ex Sm.(Asclepiadaceae). Recherche Botanique en Asie Tropicale – Botanical Research in Tropical Asia. December 6<sup>th</sup> -11<sup>th</sup>, 2015, Vientiane Capital, Lao PDR.
15. Vadivel Siva, Navis Jeyaraj Maria Francis Jeffery Bose, **Palanichamy Mehalingam**. Evaluation of Anti – diarrhoeal effect of *Heliotropium indicum* L. (Boraginaceae) and

*Waltheria indica* L. (Sterculiaceae) leaves in rats. Recherche Botanique en Asie Tropicale – Botanical Research in Tropical Asia. December 6<sup>th</sup> -11<sup>th</sup>, 2015, Vientiane Capital, Lao PDR.

16. Anantharaj Tamilselvan, Karuthapandian Swaminathan, **Palanichamy Mehalingam**. Green synthesis of Silver nanoparticles using *Dioscorea wallichii* Hook.f. (Dioscoreaceae) leaves extract and its Antimicrobial Activity. Recherche Botanique en Asie Tropicale – Botanical Research in Tropical Asia. December 6<sup>th</sup> -11<sup>th</sup>, 2015, Vientiane Capital, Lao PDR.
17. S.Aron and **Mehalingam P** Pharmacognostical and preliminary phytochemical studies on stem and leaves of *Alysicarpus monilifer* OMICS 2nd International Conference and Exhibition on Pharmacognosy, Pharmacognosy, Phytochemistry & Natural Products August 25-27, 2014, Beijing, China.
18. V.P.Elango and **Mehalingam P** An ethnobotanical study of medicinal plants used by the Paliyars aboriginal community in Theni district, Tamil Nadu, India OMICS 2<sup>nd</sup> International Conference and Exhibition on Pharmacognosy, Pharmacognosy, Phytochemistry & Natural Products August 25-27, 2014, Beijing, China.
19. Antinociceptive and Anti-inflammatory Activities of Leaf Extracts of Ethnomedicinal Plant, "*Kleinia grandiflora*" in the International Symposium on Medicinal and Aromatic Plants held in the Empress Hotel, Chiang Mai, Thailand.
20. "Traditional Knowledge on Medicinal Plants Used for the Treatment of Skin Diseases in Madurai District, Tamilnadu (India)" in the International Symposium on Medicinal and Aromatic Plants held in the Empress Hotel, Chiang Mai, Thailand.
21. Evaluation of antipyretic activity of *Canna indica* (L.) In rats in the Interantional Conference on "Current Trends In Medicinal Plant Research" & One day workshop on "Phytochemical Analysis of Therapeutically Active Constituents of Pharmaceutically Important Medicinal Plants" and "Pharmacognostic standardization of leaves of *Aeshynomene indica* Linn. (Leguminosae)" held at University of Pune, Pune.
22. "Pharmacognostic standardization of leaves of *Aeschynomene indica* linn. (Leguminosae)" in the International Conference on "Current Trends In Medicinal Plant Research" & One day workshop on "Phytochemical Analysis of Therapeutically Active Constituents of Pharmaceutically Important Medicinal Plants" and "Pharmacognostic standardization of leaves of *Aeshynomene indica* Linn. (Leguminosae)" held at University of Pune, Pune

#### b) National Conferences

1. Tamilselvan, A., Karuthapandian, S and **Mehalingam P**. Antimicrobial effect of silver nanoparticles synthesized using *Garcinea gummi-gutta* (L.) Robs leaves extract via green route. UGC Sponsored National Seminar on "Recent Advances in Plant Biology" Organized by Department Of Botany with Specialization in Plant Biotechnology, The Standard Fireworks Rajaratnam College for Women, Sivakasi. On 13<sup>th</sup> & 14<sup>th</sup> July 2017.

2. Sinthia Ganesan and **Mehalingam P** Constructing novel Silver nanoparticles using *Paprika spent* and its efficient antimicrobial action . UGC Sponsored National Seminar on “Recent Advances in Plant Biology” Organized by Department Of Botany with Specialization in Plant Biotechnology, The Standard Fireworks Rajaratnam College for Women, Sivakasi. On 13<sup>th</sup> & 14<sup>th</sup> July 2017.
3. Srividhya, P. and P. Mehalingam Green synthesis of Silver nanoparticles using bark extracts of *Mimusops elengi* L. (Sapotaceae) and its antimicrobial activity. UGC Sponsored National Seminar on “Recent Advances in Plant Biology” Organized by Department Of Botany with Specialization in Plant Biotechnology, The Standard Fireworks Rajaratnam College for Women, Sivakasi. On 13<sup>th</sup> & 14<sup>th</sup> July 2017.
4. Siva, V., Jeffrey Bose, N.J. and **Mehalingam, P** A Study On Ethnopharmacological and Phytochemical Screening Of Two Important Medicinal Plants Involved In The Treatment Of Dermatological Infections Used By Paliyars In Southern Western Ghats Of Virudhunagar.. UGC Sponsored National Conference on “Recent Trends in Plant Sciences” Organized by Department Of Botany, ST. Xavier's College (Autonomous), Palayamkottai. On March 1<sup>st</sup> – 2<sup>nd</sup> 2017.
5. Kayalvizhi, D., Irulandi. K., **Mehalingam, P.** and Nirmal Kumar, N. Antimicrobial potentials of three different solvent extracts of *Syzygium laetum* (Buch.-Ham.) Gandhi Leaves. UGC Sponsored National Conference on “Recent Trends in Plant Sciences” Organized by Department Of Botany, ST. Xavier's College (Autonomous), Palayamkottai. On March 1<sup>st</sup> – 2<sup>nd</sup> 2017.
6. Irulandi. K., Geetha, S., Nirmal Kumar, N and **Mehalingam, P.** GC-MS analysis of bioactive compounds in methanolic leaf extracts of *Gymnema Sylvestre* (Retz.) R.br. Ex Sm. - a diabetes medicinal plants. UGC Sponsored National Conference on “Recent Trends in Plant Sciences” Organized by Department Of Botany, ST. Xavier's College (Autonomous), Palayamkottai. On March 1<sup>st</sup> – 2<sup>nd</sup> 2017.
7. Irulandi, K., Geetha, S., Siva, V., Nirmal kumar, N and **Mehalingam, P.** “GC-MS Analysis and Phytochemical screening of methanolic extract of *Atalantia racemosa* Wight & Arn Leaves” One Day International Conference on “Frontiers In Biotechnology”, Organized by Department of Biotechnology. Nandha Arts and Science College, Erode on February 3<sup>rd</sup>, 2017.
8. Tamilselvan, A., Karuthapandian, S and **Mehalingam, P.** One–Pot Synthesis of Ag Doped with *Gymnema sylvestre* R.Br, (Family: Asclepiadaceae) Leaves Extract and Efficient Photocatalyst For Degradation of Mb Dye Under Sunlight Irradiation With

- Antimicrobial Profile. One Day International Conference on “Frontiers In Biotechnology”, Organized by Department of Biotechnology. Nandha Arts and Science College, Erode on February 3<sup>rd</sup>, 2017.
9. Kayalvizhi, D., Irulandi, K., Siva, V., Nirmal kumar, N and **Mehalingam, P.** Evaluation of phytochemical screening and free radical scavenging activity of *Syzygium aromaticum* (L.) Merr. & L.M. berry fruits. One Day International Conference on “Frontiers In Biotechnology”, Organized by Department of Biotechnology. Nandha Arts and Science College, Erode on February 3<sup>rd</sup>, 2017.
  10. Siva, V., Jeffrey Bose, N.J and **Mehalingam, P.** Antipyretic activity of aqueous and methanolic extracts of rhizome of *Canna indica* L. In yeast induced pyrexia. One Day International Conference on “Frontiers In Biotechnology”, Organized by Department of Biotechnology. Nandha Arts and Science College, Erode on February 3<sup>rd</sup>, 2017.
  11. Srividhya, P, and **Mehalingam, P.** Green synthesis of Silver nanoparticles using aqueous leaves extract of *Gliricidia sepium* (Jacq.) Kunth ex Walp. (Fabaceae) and its antimicrobial activity. National conference on Bioresources: Conservations Utilization and Future prospects, Organized by Department of Biology. The Gandhigram Rural Institute – Deemed University, Dindigul On February 16<sup>th</sup> & 17<sup>th</sup> 2017.
  12. Tamilselvan. A and **Mehalingam, P.** Green Synthesis of Silver nanoparticles using *Maranta arundinaceae* L. leaf extract. Effect of temperature on synthesis, antimicrobial activity and *In – vitro* antioxidant assay. National conference on Bioresources: Conservations Utilization and Future prospects, Organized by Department of Biology. The Gandhigram Rural Institute – Deemed University, Dindigul On February 16<sup>th</sup> & 17<sup>th</sup> 2017.
  13. Tamilselvan, A., Karuthapandian, S and **Mehalingam, P.** Green synthesis and antimicrobial effects of aqueous colloidal solutions of AgNPs using leaf extracts of *Aristolochia indica* L. as a reducing and capping agent. UGC Sponsored National Seminar On Recent Advances in Chemical Research, Organized by Department of Chemistry. VHNSN College (Autonomous), Virudhunagar. On 24 – 25<sup>th</sup> January 2017.
  14. Srividhya, P., Karuthapandian, S and **Mehalingam, P.** Phytochemical Screening and Antimicrobial efficacy of Green synthesized Silver Nanoparticles from *Neolitsea sericea* (Blume) Koidz. UGC Sponsored National Seminar On Recent Advances in Chemical Research, Organized by Department of Chemistry. VHNSN College (Autonomous), Virudhunagar. on 24 – 25<sup>th</sup> January 2017.

15. Manjula, M., Nirmalkumar, N and **Mehalingam, P.** Synthesis of Silver nanoparticles using aqueous inflorescence extract of *Heliotropium indium* L. and evaluation of their antimicrobial activities. UGC Sponsored National Seminar On Recent Advances in Chemical Research, Organized by Department of Chemistry. VHNSN College (Autonomous), Virudhunagar. On 24 – 25<sup>th</sup> January 2017.
16. Sherin, J., Senthil kumar, P., Latha, P., Karuthapandian, S and **Mehalingam, P.** Facile greener approach for the Synthesis of Silver nanospheres using *Scoparia dulcis* leaf extract and its superior microbial and photocatalytic activity. UGC, DST – SERB and ACT Sponsored National Seminar On New Trends In Chemistry, Organized by Department of Chemistry. Annamalai University, Annamalainagar. On October 21<sup>st</sup> – 22<sup>nd</sup> 2016.
17. Cherly Anto Frezina and **Mehalingam P** Toxicity Studies of Biologically synthesized Silver Nano Particles. International Conference on Cancer Biology: Drug Discovery and Novel Therapeutics organized by Department of Zoology and Chemistry, Saiva Bhanu Kshatriya College (Autonomous), Aruppukottai on 29-30<sup>th</sup> September 2016.
18. Geetha. S, Irulandi. K and **Mehalingam. P.** *In vitro* Antioxidant and Antimicrobial properties of *Neolitsea sericea* (Blume) Koidz. (Lauraceae) leaves extracts. UGC Sponsored National Seminar On Recent Trends In Botany, Organized by PG & Research Department of Botany. Jamal Mohamed College (Autonomous). Tiruchirappalli. 24<sup>th</sup> February 2016.
19. Irulandi. K, Geetha. S and **Mehalingam. P** GC-MS analysis and phytochemical studies of methanolic fruits extract of *Garcinia cambogia* Hort. Ex Boerl and *Ziziphus trinervia* Roth.. UGC Sponsored National Seminar On Recent Trends In Botany, Organized by PG & Research Department of Botany. Jamal Mohamed College (Autonomous). Tiruchirappalli. 24<sup>th</sup> February 2016.
20. Irulandi. K, Geetha. S and **Mehalingam. P.** Evaluation of Antioxidant Properties and Antimicrobial Activity of *Garcinia cambogia* Hort. Ex Boerl (Clusiaceae) fruit extracts. UGC Sponsored National Seminar On Recent Trends In Botany, Organized by PG & Research Department of Botany. Jamal Mohamed College (Autonomous). Tiruchirappalli. 24<sup>th</sup> February 2016.
21. Geetha. S, Irulandi. K and **Mehalingam. P.** Assessment of the Radical Scavenging Activity and Total phenolic content of Crude Methanolic leaf Extract of *Aristolochia indica* L. (Aristolochiaceae). UGC Sponsored National Seminar On Recent Trends In

- Botany, Organized by PG & Research Department of Botany. Jamal Mohamed College (Autonomous). Tiruchirappalli. 24<sup>th</sup> February 2016.
22. Tamilselvan A., Karuthapandian S and **Mehalingam. P.** Biosynthesis of Silver nanoparticles Using Leaf extracts of *Vateria indica* L and their Antimicrobial efficacy. UGC Sponsored National Seminar On Recent Trends In Botany, Organized by PG & Research Department of Botany. Jamal Mohamed College (Autonomous). Tiruchirappalli. 24<sup>th</sup> February 2016.
  23. J.Sherin, S. Karuthapandian and **P.Mehalingam** Biogenic green route for silver nanoparticles synthesis using the extract of *Syzygium mundagum* leaf extract and evaluation of their antimicrobial activity..UGC Sponsored National Seminar on “Nanomaterials: Synthesis, Characterization And Applications”, Organized by Departments of Chemistry and Physics, G.Venkatasamy Naidu College, Kovilpatti. 6<sup>th</sup> & 7<sup>th</sup> August 2015.
  24. Irulandi K and **P. Mehalingam**, GC-MS analysis of bioactive components from the leaf extract of *Randia spinosa* (POIR.) Golden Jubilee National Seminar On “ Discourses on past, present and Future Scenario on Medicinal Plant Conservation in India”, Organized by PG & Research Department of Botany, Saraswathi Narayanan college (Autonomous), Madurai, 6<sup>th</sup> & 7<sup>th</sup> March, 2015.
  25. S. Geetha and **P.Mehalingam** GC-MS analysis and phytochemical studies of *Baccaurea courtallensis* (WIGHT) MULL.ARG. Fruit extracts., Golden Jubilee National Seminar On “ Discourses on past, present and Future Scenario on Medicinal Plant Conservation in India”, Organized by PG & Research Department of Botany, Saraswathi Narayanan college (Autonomous), Madurai, 6<sup>th</sup> & 7<sup>th</sup> March, 2015.
  26. A. Tamil selvan., S.Karuthapandian and **P. Mehalingam** Green synthesis of silver nanoparticles using *Crataeva religiosa* Forst. f. leaf and its antimicrobial activity Golden Jubilee National Seminar On “ Discourses on past, present and Future Scenario on Medicinal Plant Conservation in India”, Organized by PG & Research Department of Botany, Saraswathi Narayanan college (Autonomous), Madurai, 6<sup>th</sup> & 7<sup>th</sup> March, 2015.
  27. P. Srividhya., N. Nirmalkumar and **P. Mehalingam** Antimicrobial efficacy of Green synthesized Silver Nanoparticles from *Neolitsea sericea* (Blume) Koidz Golden Jubilee National Seminar On “ Discourses on past, present and Future Scenario on Medicinal Plant Conservation in India”, Organized by PG & Research Department of Botany, Saraswathi Narayanan college (Autonomous), Madurai, 6<sup>th</sup> & 7<sup>th</sup> March, 2015.

28. J.Sherin, S.Karuthapandian and **P.Mehalingam** Green synthesis of silver nanoparticles by *Alstonia scholaris* (L.) R. Br. leaf extract and their antimicrobial activity Golden Jubilee National Seminar On “Discourses on past, present and Future Scenario on Medicinal Plant Conservation in India”, Organized by PG & Research Department of Botany, Saraswathi Narayanan college (Autonomous), Madurai, 6th & 7th March, 2015.
29. A. Tamil Selvan., S.Karuthapandian and P. Mehalingam. Green Synthesis of Silver Nanoparticles and Antimicrobial Activity by using *Crinum defixum* Ker-Gawl. bulb extract. National Seminar On “Plant Genetic Resources: Utilization and Conservation”, Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.
30. P. Srividhya., N. Nirmalkumar and **P. Mehalingam**. Green synthesis and antimicrobial activity of Silver Nanoparticles by using *Nothapodytes nimmoniana* (Graham) Mabb. young leaves Methanol extract. National Seminar On “Plant Genetic Resources: Utilization and Conservation”, Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.
31. V.P.Elango and **P. Mehalingam** An ethnobotanical survey of medicinal plants used by the *Paliyars* aboriginal community in Theni district, Tamil Nadu, India). National Seminar On “Plant Genetic Resources: Utilization and Conservation”, Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.
32. S. Geetha and **P. Mehalingam** Evaluation of Antioxidant Properties and Antimicrobial Activity of *Syzygium munronii* (Wight.) Chandrab. (Myrtaceae) leaf extracts. National Seminar On “Plant Genetic Resources: Utilization and Conservation”, Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.
33. K. Irulandi, and **P. Mehalingam** *In vitro* Antioxidant and Antimicrobial properties of *Baccaurea courtallensis* (Wight) Mull.Arg. (Euphorbiaceae) fruit extracts . National Seminar On “Plant Genetic Resources: Utilization and Conservation”, Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.
34. V. Siva., G. Rameshkumar and **P. Mehalingam** Ethnoveterinary practices among *Paliyar* tribal communities of southern Western Ghats in Virudhunagar district, Tamil Nadu, India. National Seminar On “Plant Genetic Resources: Utilization and Conservation”,

Organized by PG & Research Department of Botany, V.O.Chidambaram college. Thoothukudi, On 12<sup>th</sup> and 13<sup>th</sup> February, 2015.

35. Nirmal Kumar. N, Suresh. M, **Mehalingam .P** and Mallika Devi. Assessment of Genetic Variability in *Leucas aspera*.L T 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of Arts & Science Rasipuram – 637 408, Namakkal Dt, Tamilnadu, India. On January 9 & 10, 2015.
36. Tamil Selvan. A, Karuthapandian. S and **Mehalingam. P** Green Synthesis of Silver Nanoparticles and Their Antimicrobial Activity by using *Mimusops elengi* L. bark extract in 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of Arts & Science Rasipuram – 637 408, Namakkal Dt, Tamilnadu, India. On January 9 & 10, 2015.
37. Srividhya. P, Nirmalkumar. N and **Mehalingam. P** Synthesis and evaluation of antimicrobial efficacy of silver nanoparticles using *Myristica fatua* L. leaf extract in 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of Arts & Science Rasipuram – 637 408, Namakkal Dt, Tamilnadu, India. On January 9 & 10, 2015.
38. Suresh. M, Nirmalkumar. N and **Mehalingam. P** Antimicrobial and preliminary phytochemical analysis of *Eugenia singampattiana* Bedd. 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of Arts & Science Rasipuram – 637 408, Namakkal Dt, Tamilnadu, India. On January 9 & 10, 2015.
39. Irulandi. K and **Mehalingam. P** Evaluation of DPPH Radical Scavenging Activity and Phytochemical analysis of *Tillinea pentogyna* and *Crateva religiosa*. 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of Arts & Science Rasipuram – 637 408, Namakkal Dt, Tamilnadu, India. On January 9 & 10, 2015.
40. Geetha. S and **Mehalingam. P** Evaluation of DPPH Radical Scavenging Activity and Phytochemical Analysis of *Garcinia Gummi-Gutta* and *Randia Spinosa*. 12th National Level Biological Congress on “Recent Advances in Biological Sciences towards Sustainable Development” Departments of Biological Science, Muthayammal College of



Arts & Science Rasipuram – 637 408, Namakkal. Dt, Tamilnadu, India. On January 9 & 10, 2015.

41. "Evaluation of Antipyretic Activity of *Canna indica* (L.) in rats", V. Siva., N. J. Jeffrey Bose and **P. Mehalingam**, "UGC Sponsored International Conference on "Current Trends in Medicinal Plant Research", Organized by, Department of Botany, University of Pune, Pune, 10-12 January 2012. (p49-50).
42. Pharmacognostic Standardization of Leaves of *Aeschynomene indica* Linn. (Leguminosae)", S. Aron and **P. Mehalingam**, "UGC Sponsored International Conference on "Current Trends in Medicinal Plant Research", Organized by, Department of Botany, University of Pune, Pune, 10-12 January 2012. (p 171).
43. "Antinociceptive and Anti-inflammatory Activities of Leaf Extracts of Ethnomedicinal Plant, *Kleinia grandiflora* (DC) N. Rani", N. Jeffrey Bose., A. Thanga Thirupathi and **P. Mehalingam**, 42<sup>nd</sup> Aqua-Terr Annual Conference on "Genomic Sciences", Organized by, School of Biological Sciences, Madurai Kamaraj University, Madurai, 28 February 2011. (p12).
44. "Ethnobotanical Study of Medicinal Plants Used for the Treatment of Various Skin Diseases by Native Doctors in Ramanathapuram District, Tamilnadu ", S. Aron, V. Siva and **P. Mehalingam**, "National Medicinal Plant Board Sponsored National Conference on "Conservation, Improvement and Sustainable Use of Medicinal Plants and Non-Wood Forest Products" Organized by Institute of Forest Productivity, Lalguuwa, Ranchi, 08-09 March 2011. (p132).
45. Ethnobotanical Study of Medicinal Plants Used by *Paliyars* in Madurai District, Tamilnadu (India)", P. G. S. Shirley., N. Jeffrey Bose and **P. Mehalingam**, "National Medicinal Plant Board Sponsored National Conference on "Conservation, Improvement and Sustainable Use of Medicinal Plants and Non-Wood Forest Products" Organized by Institute of Forest Productivity, Lalguuwa, Ranchi, 08-09 March 2011. (p132).
46. "Phytochemical Analysis and Antimicrobial Activity of *Mollugo nudicaulis* Lam.", S. Aron., **Mehalingam P** and G. Rameshkumar, "DST, UGC, CSIR, DRDO, TNSCST TNSCHE Sponsored International Conference on "Bioresource Technology" Organized by Department of Botany, Nirmala College for Women, Coimbatore, 07-08 October 2010. (p167).
47. "Studies on the Antimicrobial Activity of *Stachytarpheta indica* and Its Phytochemistry", Sharmila Rani T and **P. Mehalingam**, "Sponsored International Conference on Drug Design & Development" Organized by Department of Chemistry, Microbiology & Biochemistry, Nadar Saraswathi College of Arts & Science College, Theni, 21 January 2011.

48. “Antimicrobial Assay of *Indigofera linnaei* L. Extracts”, **P. Mehalingam**, “Sponsored 9<sup>th</sup> National Level Biological Congress on “Biotechnology: Great Expectations & Achievements”, Organized by Centre for Biotechnology, Muthayammal College of Arts & Science College, Rasipuram, Namakkal, 8-9 January 2010.
49. “Antimicrobial Effect of Garlic (*Allium sativum* L.)”, **P. Mehalingam**, “Sponsored 9<sup>th</sup> National Level Biological Congress on “Biotechnology: Great Expectations & Achievements”, Organized by Centre for Biotechnology, Muthayammal College of Arts & Science College, Rasipuram, Namakkal, 8-9 January 2010.
50. Antimicrobial Assay of *Indigofera linnaei* L. Extracts”, **P. Mehalingam**, “Sponsored 9<sup>th</sup> National Level Biological Congress on “Biotechnology: Great Expectations & Achievements”, Organized by Centre for Biotechnology, Muthayammal College of Arts & Science College, Rasipuram, Namakkal, 8-9 January 2010.

17. Grants received from various funding agencies

<b>Title of the project</b>	<b>Name of the funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
Evaluation of Phenolic Profiles and Antioxidant Activities of Some Rare and Endangered Ethnomedicinal Plants of Western Ghats, Virudhunagar District, Tamil Nadu	U.G.C., New Delhi Amount approved	2014-2016	Principal Investigator
Pharmacological and Phytochemical Studies of Ethnomedicinal Plants of Western Ghats, Virudhunagar District, Tamil Nadu	U.G.C., New Delhi Amount approved Rs. 8,04,300/-	2010-2013	Principal Investigator
Conservation of Rare, Endangered and Threatened Plants of Western Ghats at V. H. N. Senthikumara Nadar College	Ministry of Environment and Forest, New Delhi Amount approved Rs. 6, 88, 500/-	2008-2010	Co-Investigator
Bioconversion of Organic Wastes through Different Technologies.	TNSC & ST, Tamilnadu	2008-2009	Principal

	Amount approved 5, 000/-		Investigator
NEAC Programme on Solid Waste Management	Ministry of Environment and Forest, New Delhi  Amount approved Rs. 7, 000/-	2006-2007	Principal Investigator
NEAC Programme on Solid Waste Management	Ministry of Environment and Forest, New Delhi  Amount approved Rs. 5, 000/-	2004-2005	Principal Investigator
NEAC Programme on Solid Waste Management	Ministry of Environment and Forest, New Delhi  Amount approved Rs. 6, 000/-	2004-2005	Principal Investigator
Senior Research Fellowship	CSIR, New Delhi  Amount approved 2, 52, 000/-	1997-1998	SRF

#### 18. Seminars / Conference / Workshops attended

No	Programme	Date & Venue	Remarks
1	ISHS Sponsored "The International Symposium on Medicinal and Aromatic Plants".	15-18 December 2011 The Empress Hotel, Chiang Mai, Thailand.	Presented two research papers
2	National Medicinal Plant Board, New Delhi Sponsored "National Conference on Conservation, Improvement and Sustainable Use of Medicinal Plants and Non-Wood Forest Products".	08-09 March 2011 Institute of Forest Productivity, Lalgutuwa, Ranchi.	Presented two research papers

3	UGC, New Delhi Sponsored "42 <sup>nd</sup> Aqua-Terr Annual Conference on Genomic Sciences".	28 February 2011  School of Biological Sciences, Madurai Kamaraj University, Madurai.	Presented a research paper
4	UGC, DST, CSIR, DRDO, TNSCST and TNSCHE Sponsored "International Conference on Bioresource Technology".	07-08 October 2010  Department of Botany, Nirmala College for Women, Coimbatore.	Presented a research paper
5	TNSCST Sponsored "In-service Training Programme for Secondary Grade Science Teachers".	14-18 December 2009  V.H.N.Senthikumra Nadar College, Virudhunagar.	Participant
6	Century Foundation, Bangalore Sponsored "4 <sup>th</sup> Global Summit on Medicinal and Aromatic Plants".	01-05 December 2009  The Hotel Four Points, Kuching, Sarawak, Malaysia.	Presented a research paper
7	International Conference on ORBIT 2008.	13-15 October 2008  Wageingen University and Research, Wageingen, The Netherlands.	Presented a research paper
8	Seminar cum Exhibition on Diabetic Care.	27 February 2008  Department of Botany, Sri Parasakthi College for Women, Courtallam.	Participant
9	International Conference on Transcriptomics	18-19 January 2008  Ayya Nadar Janaki Amal College, Sivakasi.	Presented a research paper and won third prize.
10	7 <sup>th</sup> National Level Biological Congress on Biotechnology: Evolution and Revolution	04-05 January 2008  Muthayammal College of Arts and Science, Rasipuram.	Presented a research paper
11	State Level Seminar on Social Applications of Biotechnology.	21 September 2007  V. H. N. Senthikumara Nadar College, Virudhunagar.	Co-Ordinator

12	National Seminar on Recent Advance in Plant Biology.	10-11 August 2006 V. H. N. Senthikumara Nadar College, Virudhunagar.	Presented a research paper
13	State Level Symposium on Vermicomposting Technology for Rural Development.	22-23 December 2005 Vivekananda College, Tiruvedakam.	Participant
14	One Day seminar on Renewable Energy-Energy of the Future.	25 August 2005 V. H. N. Senthikumara Nadar College, Virudhunagar.	Participant
15	National Symposium on Improving Student Learning in Higher Education	18-19 March 2005 Christ College, Bangalore	Presented a research paper
16	4 <sup>th</sup> National Level Biological Congress on Biotechnology: A Boon to Humanity.	28-29 January 2005 Muthayammal Educational Trust, Rasipuram.	Presented a research paper
17	One Day Workshop on Patent Awareness	28 November 2003 Mepco Schlenk Engineering College, Sivakasi.	Participant
18	Young Scientists Talent Development Centre and Science Exhibition	15 July to 28 May 2003 K. V. S. School, Virudhunagar.	Resource Person
19	Young Student Scientists Programme (2001).	29 April to 28 May 2001 V. H. N. Senthikumara Nadar College, Virudhunagar.	Resource Person
20	Young Student Scientists Programme (2000-2001).	01 May 2000 to 30 May 2001 V. H. N. Senthikumara Nadar College, Virudhunagar.	Resource Person

21	UGC Sap National Symposium on Plant Morphogenesis: Molecular and Biochemical Approach.	21-22 December 1998 Department of Biosciences, Sardar Patel University, VV Nagar, Gujarat.	Presented a research paper
22	National Symposium-Cum-Workshop on Plant Morphogenesis.	29-30 December 1997 Department of Biosciences, Sardar Patel University, VV Nagar, Gujarat.	Presented a research paper
23	National Seminar on Recent Advances in Biotechnology	26-27 March 1997 V. H. N. Senthikumara Nadar College, Virudhunagar.	Presented a research paper
24	Regional Workshop on Resource Recycling and Reuse	26-27 February 1994 S. T. Hindu College, Nagarcoil.	Presented a research paper
25	Seminar on Recent Developments in Botany	18-19 January 1991 Vivekananda College, Agasteeswaram.	Participant

19. Details of Conferences, and Symposia organized

Served as Organizing Secretary

National : 7                      International: 3