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**Assistant Professor**  
**Department of Botany**  
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Date of Birth : 23.03.1982

Designation : ASSISTANT PROFESSOR

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**Educational Qualifications** : **M.Sc., M.Phil., Ph.D.,**

**Area of Specialization** : **Seaweed Biology & Biotechnology**

**List of Paper Publications:**

1. Arinathan, V., Mohan, V.R., and **Maruthupandian, A** 2009. Lesser known wild edible fruits of Western Ghats, Tamil Nadu. *J. Econ. Taxon. Bot.* **33**: 295 -300.
2. Arinathan, V., Mohan, V.R. and **Maruthupandian, A** .2009. Little known wild edible seeds of Western Ghats, Tamil Nadu. *Journal of Non Timber forest products.* 16: 119 – 124.
3. Arinathan, V., Mohan, V.R. and **Maruthupandian, A**. 2009. Chemical evaluation of raw seeds of certain tribal pulses in Tamil Nadu. *Tropical and Sub tropical Agroecosystem.* **10**: 287 -294.

4. Arinathan, V., Mohan, V.R, and **Maruthupandian, A.** 2009. Nutritional and antinutritional attributes of under utilised tubers. *Tropical and Subtropical Agroecosystem.* **10**: 273 – 278.
5. Subramaniam, A., Mohan, V.R., Kalidass, C and **A. Maruthupandian** 2009. Pharmacognostic studies on truck of *Mitragyna parvifolia* (Roxb.) Korth. *J. Herbal. Medi. & Toxicology.* 3: 23 -29.
6. Mohan, V.R, Arinathan, V., and **Maruthupandian, A.** 2009. Wild edible greens used by Palliyars of Western Ghats, Tamil Nadu. *J. Econ. Taxon. Bot.* **33**: 301 – 306.
7. **Maruthupandian A** and Mohan, V.R. 2010. Observations of ethnomedicinal plants from Sirumalai hills in Western Ghats of Tamil Nadu, India. *Journal of Herbal Medicine and Toxicology.* 4: 89-92.
8. **Maruthupandian A,** Mohan, V.R.and Sampathraj R. 2010. Antidiabetic, antihyperlipidaemic and antioxidant activity of *Wattakaka volubilis* (L.f) Stapf leaves in alloxan induced diabetic rats. *International journal of Pharmaceutical Science and Research.* 1: 83-90.
9. Lalitharani, S., Mohan, V.R. and **Maruthupandian, A.** 2010. Pharmacognostical and phytochemical studies on *Pothos scandens* L. *International Journal of Phytomedicine.* 2: 277-283.
10. Subramaniam, A., Mohan, V.R. Kalidass, C, and **Maruthupandian, A.** 2010. Wild edible plants used by Valaiyans of the Western Ghats, Tamil Nadu. *J. Econ. Taxon. Bot.* 34: 466-471
11. Subramaniam, A., Mohan, V.R., **Maruthupandian, A.,** and Kalidass, C, 2010. Ethnomedico botany of the Valaiyans of Madurai district, Tamil Nadu. *J. Econ. Taxon. Bot.* 34: 363-379.
12. Mohan, V.R, Amish Abragam, D., Kalidass, C., and **Maruthupandian, A.** 2010. Pharmacognostical and phytochemical investigation of whole plant of *Blepharis maderaspatensis* (L.) Heyne ex Roth. *Pharmacog. J.* 2: 1-5.
13. Shanmugasundaram.R, Kalpanadevi.V. Tresina soris P, **Maruthupandian A** and Mohan, V.R. 2010.Hepatoprotective activity of ethanol extracts of *Clitoria ternatea* (L.) *Cassia angustifolia* Vahl leaf against CCl<sub>4</sub> induced liver toxicity in rats. *International Res. J. Pharmacy.* 1: 201-205.
14. **Maruthupandian A** and Mohan, V.R. 2011. GC-MS analysis of ethanolic extract of *Wattakaka volubilis* (L.f.) Stapf. Leaf. *International Journal of Phytomedicine.* 3: 59-62.
15. Sutha.S., **Maruthupandian A,** Mohan, V.R and Athiperumalsami, T. 2011. Antiinflammatory activity of *Erythralum scandens* Bl.Bjdr against carrageenan induced paw edema. *International Journal of Pharm.Tech.* 3:24-26.

16. Lalitharani, S., Mohan, V.R. and **Maruthupandian, A.** 2011. Pharmacognostic investigation on *Bulbophyllum albidum* (Wight) Hook. f. *International Journal of Pharm Tech*,3:556-562.
17. **Maruthupandian A** and Mohan, V.R. 2011. GC-MS analysis of ethanolic extract of bark and leaf of *Pterocarpus marsupium* Roxb. *International Journal of Pharm Tech Res.* 3: 1652-1657.
18. **Maruthupandian A**, and Mohan, V.R. 2011. Antidiabetic, antihyperlipidaemic and antioxidant activity of *Pterocarpus marsupium* Roxb in alloxan induced diabetic rats. *International journal of Pharmaceutical Science and Research.* 3: 1681-1687.
19. Arinathan, V., Mohan, V.R and **Maruthupandian, A** .2011. Wild edible unripe fruits used by the Palliyars of Western Ghats, Tamil Nadu. *Journal of Non Timber forest products.* 18: 149-152.
20. Sutha, S, Kalpanadevi.V. Tresina soris P, **Maruthupandian A** and Mohan, V.R. 2011. Pharmacognostical studies on *Alstonia venenata* R. Br – an ethnomedicinal plant. *International Journal of Pharm Tech. Res.*3: 1697-1704.
21. Shanmugasundaram.R, Kalpanadevi.V. Tresina soris P, **Maruthupandian A** and Mohan, V.R. 2011. Antidiabetic, antihyperlipidaemic and anti oxidant activity of *Senna auriculata* (L.) Roxb. leaves in alloxan induced diabetic rats. *International Journal of Pharm Tech. Res.*3: 747-756.
22. Sutha.S., Athiperumalsami, T., Mohan, V.R and **Maruthupandian A** and. 2011. Antiinflammatory activity of leaf of *Alstonia venenata* R.Br. *Journal of Herbal Medicine and Toxicology.* 5: 37-39.
23. Lalitharani, S., Kalpanadevi.V. Tresina soris P, **Maruthupandian A** and Mohan, V.R. 2011. Ethnomedicinal plants used by *Kanikkar* of Agasthiarmalai Biosphere Reserve, Western Ghats. *Journal of Ecobiotechnology.* 3: 16-25.
24. **Maruthupandian A** Mohan, V.R. and R. Kottaimuthu. 2011. Ethnomedicinal plants used by *Palliyar* tribals in Sirumalai hills, Western Ghats, Tamil Nadu, for the treatment of Diabetes and Jaundice. *Indian Journal of Natural Products and Resources.*2: 493-497.
25. **Maruthupandian A** and Mohan, V.R 2012. Ethnomedicinal plants used by *Palliyars* in Sirumalai hills, Western Ghats, Tamil Nadu for the treatment of various poisonous bites. *International Journal of Current Trends in Research.* 1: 86-93.

### **Book Chapter:**

1. **Maruthupandian A**, Mohan, V.R and Muthuchelian, K. 2013. Ethnomedicinal plants used by *Palliyars* in Sirumalai hills, Western Ghats, Tamil Nadu for the treatment of skin diseases. *In Perspectives in Plant Biodiversity* Edited By K. Muthuchelian, 2013. Published by Astral International Pvt. Ltd., New Delhi.

### **Seminars / Conferences presented and attended:**

- Presented a paper “**Bio conversion of Coirpith and groundnut husk into manure using Earthworm *Eudrilus eugeniae***” in “**National Seminar Cum Workshop on Conservation and Inventerization of Soil Biota**” at K.S.R College of Arts & Science, Tiruchengode during 10 and 12, March 2007
- Participated in **Mushroom Technology Training Course** conducted at Saraswathi Narayanan College, Madurai
- Participated in the **Course on Capacity Building of Watershed Development Team Members** at Directorate of Extension Education, Tamilnadu Agricultural University, Coimbatore during June 2007
- Participated in the **National seminar on “Genetics, Breeding and Biotedhnology”** University of Calicut and Gregor Mendel Foundation, Department of Botany, Kerala, India on 11 and 12 December, 2009.
- Presented a paper “**Antidiabetic activity of *Wattakaka volubilis* (L.f) Stapf leaves in alloxan induced diabetic rats**” in **UGC Sponsored National Seminar on Conservation and Sustainable Utilization of Red Listed Medicinal Plants of Western Ghats of India** in Department of Botany, Newman College, Thodupuzha, Kerala, India on 2 and 3, September 2010.
- Presented a paper “**Antidiabetic, antihyperlipidaemic and antioxidant activity of *Pterocarpus marsupium* Roxb. in alloxan induced diabetic rats**” in **International Conference on Bioresource Technology**” organized by Department of Botany, Nirmala College for Women, Coimbatore on 07.10.2010 to 08.10.2010.
- Participated in National seminar on **Youth for Green Environment and Sustainable Future** in Department of PlantBiology and PlantBiotechnology, St.Mary’s College (Autonomous), Thoothukudi, TamilNadu, India on 17 and 18 September 2010.
- Participated in National seminar on “**Recent trends in Bioresources conservation and Management (RTBCM)-2010**” on 15<sup>th</sup> October 2010 organized by Department

of Advanced Zoology & Biotechnology (AZBT), Aditanar College of Arts & Science, Virapandiapatnam, tiruchendur-628 216, Tamil Nadu.

- Presented a paper “**Antidiabetic activity of *Balanites aegyptiaca* (L.) Del in alloxan induced diabetic rats.**” In CSIR sponsored national seminar on “**BIOLOGICAL APPROACHES FOR MONITORING AND PROTECTION OF ENVIRONMENT**” organized by Department of Plant Biology and Plant Biotechnology (DST-FIST sponsored), Advanced Zoology and Biotechnology and Microbial Biotechnology, PSGR Krishnammal College for Women, Coimbatore on 11.01.2011 to 12.01.2011.
- Presented a paper “**Evaluation of anti-inflammatory activity of ethanol extracts of *Pleiospermium alatum* (Wall ex Wight & Arn) Swingle**” in National seminar on “**Nature & Biodiversity Conservation nabico-2111**” on 31<sup>st</sup> January 2011 organized by The Department of Plant Biology and Plant Biotechnology and The Department of Advanced Zoology and Biotechnology, Sadakathullah Appa College (Autonomous), Tirunelveli, Tamil Nadu.
- Presented a paper “**Antidiabetic, antihyperlipidaemic and antioxidant activity of *Pleiospermium alatum* (Wall ex Wight & Arn) Swingle in alloxan induced diabetic rats**” in National seminar on “state level student seminar on Global warming and its Impact” on 8<sup>th</sup> February 2011 organized by the CREGWAV(Centre for Research on the Effect of Global Warming and Environmental Awareness in Virudhunagar District), Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, Tamil Nadu, India.
- Presented posters " **Antidiabetic, antihyperlipidaemic and antioxidant activity of *Senna auriculata* (L.) Roxb. leaves in alloxan induced diabetic rats**” and “**Ethnomedicinal plants used by Palliyar tribals in Sirumalai hills, Western ghats, Tamil Nadu, India**” in “International symposium on Genomics of crops, Medicinal plants and Microbes” on 29-31 May 2011 organized by Department of Botany, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala, India.
- Participated in “Training programme on large scale Seaweeds cultivation and processing for livelihood generation in coastal states and Union Territories of India” In **National Workshop and Training programme on *Sargassum* and *Kappaphycus* cultivation and processing in India**, from 15-17 July 2011, Sponsored by Science

for Equity, Empowerment and Development Division (SEED), Department of Science and Technology, Govt. of India, New Delhi, India.

#### **Awards or Prize /Distinction**

<b>S.No.</b>	<b>Name</b>	<b>Institution</b>	<b>Purpose of Award</b>	<b>Year</b>
1.	<b>University Sixth Rank</b>	<b>Madurai Kamaraj University, Madurai</b>	<b>PG level University rank holder</b>	<b>2006</b>
2.	<b>Rajam Gopal Silver Medal</b>	<b>Saraswathi Narayanan College, Madurai</b>	<b>UG level University first in Tamil Language</b>	<b>2002</b>

#### **Membership in Professional Bodies**

<b>S.No.</b>	<b>Organization</b>
1.	<b>Seaweed Research and Utilization</b>
2.	<b>International Society for Environmental Botanists</b>
3.	<b>The Indian Science Congress</b>
4.	<b>Indian Botanical Society</b>