

Dr. Aruna Devaraj Rajendran

**DR. Aruna Devaraj Rajendran** is an eminent herpetologist, Herbal Scientist , a leading magneto therapist & a pioneer in Holistic Herbal Rejuvenation Therapy **50 years frontline experience in Academic Research and practice of Herbal Medicine publications and presentation in National, International /State level Seminars, Workshops, Symposium and Science Congress with a motto ‘Give endless hope to people at Hopeless ends’** have won laurels awards, and prizes in the field of Academic Research, Herbal Medicine, Environmental Biology,& Health Care. (CollegeTeaching Experience.37yrs,Research.45years,Books-4)



Date of Birth : 16.08.1948  
Institution : Former Head, Postgraduate & Research Department of Zoology  
Jayaraj Annapackiam College for Women, (Autonomous)  
Periyakulam-625601, Theni District, Tamilnadu, India  
**Research Guide. Madurai Kamaraj University, Madurai**

Father : **Dr MV Rajendran,**  
**Founder Trustee,** **Former Head, Dept of Zoology,**  
**Madras Snake Park** **St. Xavier’s College,**  
**Guindy, Chennai** **Palayamkottai, Tirunelveli Dist.**  
**Past-RotaryGovernor,** **Tirunelveli**

Address for : **W/O ER. P. Devaraj, B.Sc, B.E, (TNEB)**  
Communication 15.2/32,RajdevBhavan,ShastriNagar,Kallipatti,Periyakulam,  
Theni District -625605, TN. India  
Tel: 914546 230110; Mobile: 9842131434  
Mail id: [snakearuna@yahoo.com](mailto:snakearuna@yahoo.com) / [dr.arunadevaraj@gmail.com](mailto:dr.arunadevaraj@gmail.com)

Area of : Herpetology and Herbology,Entomology,Nematology  
Specialization Magneto Therapy/ Biochemic Therapy/Herbal Medicine  
**Environmental Biotechnology & Women Entrepreneurship**

Projects : a) Principal Investigator. UGC project. **Clinical Nutrition**  
b) Co. Investigator Herbal QPM, –NMPB –St. Joseph’s College

Awards c) **Best Citizen of India Award 2005 , Sewa Ratna Award .**  
d) **Joseph Lister Research Award 2015 in Herpetology Ph.D- Guidance(8)**  
**Degree awarded(7)Post retirement Papers Published(25)**

### **ACADEMIC Qualification**

<b>Course</b>	<b>Year</b>	<b>Institution/ Board/ University</b>	<b>Area of Specification/ Award/ Distinction</b>
BSc	1964	Sarah Tucker College,	I Class <b>State First Rank</b>
	1967	Madras University, Chennai	<b>Prof. Gopal Ayyar Prize</b>
MSc	1967	Thiagarajar College,	I class <b>University 1st rank.</b>
	1969	Madurai Kamaraj University Madurai, TN, India	Sri. M. Bhakthavatsalam 69th Birthday Com. Prize
Ph D	1986	Madurai Kamaraj University	Biology of <i>Echis carinatus</i> , a viperine snake
Research Guide	2003	Madurai Kamaraj University	<b>Life Science / Herbalism / Environmental Biotechnology</b>
Resource	1999	University Grants Commission	Holistic Herbal Health (Motivation to Educators)

### Special study in Alternative medicine

Course	Year	Institution/ Board/ University	Area of Specification/ Award/ Distinction
First Aid	1970	Ministry of Health, GOI, New Delhi, India	John Ambulance Association
FAZ	1986	Academy of Zoology	Fellowship
RMP	1993	IBAM, Kolkata, WB, India	Indo Allopathy IBAM/RMP/8235dt29-06-1993
FRHS	1994	IBAM, Kolkata, WB, India	Fellowship
MBBS(BIO)	1995	IBAM, Kolkata, WB, India	Biochemic System of Medicine
MD	2000	IBAM, Kolkata, WB, India	Magneto therapy, Acupressure and Electro Homoeopathy
DSc (AM)	2005	IBAM, Kolkata, WB, India	SEWA RATNA AWARD Herbal Science

### Teaching Experience: UG: 37y 6m; PG: 19y 7m

Institution	Duration	Designation
Holy Cross College Nagercoil, KK Dist, TN	01.07.1969 to 03.04.1971	Asst. Professor in Zoology
JA College, Periyakulam (Madurai Kamaraj University) Theni, TN, India	19.06.1972 to 01.07.1979	Asst. Professor in Zoology
JA College, Periyakulam (Madurai Kamaraj University) Theni, TN, India	01.07.1979 to 01.07.1988	Professor and Head Department of Zoology
JA College, Periyakulam (Mother Teresa University) Theni, TN, India	20.10.1986 to 01.07.1988 01.07.1998 to 31.01.2007	Reader and Head Post Graduate Department of Zoology (ENVIRONMENTAL BIOTECHNOLOGY)
JC College, Periyakulam (Madurai Kamaraj University) Theni, TN, India	04.02.2008 to 01.04.2008	Principal
JA College, Periyakulam (Madurai Kamaraj University) Theni, TN, India	Research Guide 2003.till date M K University	Rec. of guides/2003/ Reg. No.715/19.09.03 Guide recog.2009/973 (Extension)

## Honors and Awards

1. **Best Professor Award**, instituted by Gangai Cultural Trust, Madurai, 1999
2. **OutStanding Health Service Award**, by Tamilnadu Cultural Academy, 1999
3. **Eminent Physician Award**, Indian Board of Alternative Medicine, Kolkata, 2000
4. **Allwin Award for Outstanding Service rendered to Society**, Indian Integrated Trust, 2001
5. **Best Scientist Award** 32 years of Research, Bharat Social and Cultural Academy, 2001
6. **Best Researcher Award (2001)** by Bharat Social and Cultural Academy, Tamilnadu, 2001
7. **Best Woman Award (2002)**, Vaigai District by Maya Manamahil Mantram, Theni, 2003
8. **Health Excellence Award**, Indian Board of Alternative Medicine, Kolkata, 2004
9. **Sewa Ratna Award**, Indian Board of Alternative Medicine, Kolkata, 2005
10. **DSc (Herbalism)**, Indian Board of Alternative Medicine, Kolkata, 2005
11. **Best Citizen of India Award** (International Publishing House), 2005
12. **Best Health Service Award**, Vaigai District Lion's Club, Theni, 2006
13. **Sathanai Pengal Virudhu** – Penkal Munnani, 2007
14. **Best Natural Resources Management Award**, Chennai, 2007
15. **Herbal Research Centre Award**, South Indian Cultural Academy, 2007
16. **Best Woman Award** –Ajantha Fine Arts, 2008
17. **Manitha Neya Award** – M G R Mantram, 2008
18. **Best Achiever Award (2009)**, Mahalir Murasu, 2009
19. **Best Woman Herbal Researcher Award**, 2010
20. **Joseph Lister Research Award 2015 in Herpetology**
21. **Sathanai Virudhu for Herbal Research, Jan 10<sup>th</sup> 2018**

**22. 88<sup>th</sup> A.P.J Abdul kalam award & Book release-**

Manavame-Sothanaiei Sathanaiyakku 14<sup>th</sup> Oct.2019

**Administrative Experience, University Service**

1. **Chair Person, Commission for Affiliation in B.Sc, Zoology** – GTN Arts College, Dindigul, Tamilnadu, India
2. Member, Selection Committee, University Grants Commission, FIP, 8<sup>th</sup> plan, HKR College, Uthamapalayam, Theni District, Tamilnadu, India
3. Member, Academic Council, Madurai Kamaraj University, Madurai, Tamilnadu, India
4. Member, Academic Council, Mother Teresa University, Kodaikanal, Tamilnadu, India
5. Member, Board of Studies, UG Zoology, Madurai Kamaraj University, Madurai, Tamilnadu, India
6. Member, Board of Studies, PG Zoology, Madurai Kamaraj University, Madurai, Tamilnadu, India
7. Member, Board of Studies, UG Zoology, Mother Teresa University, Kodaikanal, Tamilnadu, India

**Member, Board of Examinations, PG Zoology; M Phil Zoology**

1. Madurai Kamaraj University, Madurai, TN, India
2. Annamalai University, Chidambaram, TN, India
3. Ayya Nadar Janaki Ammal (Autonomous College), Sivakasi, TN, India
4. Manonmaniam Sundaranar University, Tirunelveli, TN, India
5. Bharathithasan University, Tiruchirapalli, TN, India
6. Gandhigram Deemed University, Dindigul, TN, India
7. Mother Teresa University, Kodaikanal, TN, India
8. Vinayaka Missions University, Salem, TN, India

**Member, Board of Examinations, UG Zoology**

1. Manonmaniam Sundaranar University, Tirunelveli, TN, India
2. The American College, Madurai, TN, India
3. Fatima College, Madurai, TN, India
4. Thiagarajar College, Madurai, TN, India
5. Madura College, Madurai, TN, India

6. GTN Arts College, TN, India

7. Mother Teresa University, Kodaikanal, TN, India

**Question paper setter for B Sc, M Sc, M Phil, in University/Autonomous College**

1. Annamalai University
2. Madurai Kamaraj University
3. Mother Teresa University
4. Gandhigram University
5. ANJAC, Sivakasi
6. Madura College Autonomous , Madurai
7. Thiagarajar College Autonomous
8. Yadhava College For Men ,Autonomous
9. Loyola College, Autonomous, Chennai

**Projects Undertaken as Principal Investigator**

1. UGC Sponsored Project on “Clinical Nutrition and Dietetics” Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam-625601, Theni, Tamilnadu, India
2. Carrier Oriented Course for B.Sc. Zoology Students, Jayaraj Annapackiam College for Women, ( **Clinical Nutrition and Dietetics** )
3. UGC sponsored Project on Clinical Nutrition and Dietetics (Hygienic Technology to culture *Centella asiatica* & *Evolvulus alsionoides* to boost immunity AIDS patients) .

**Co Principal Investigator in the Research Projects**

1. Co. Investigator, Biotechnology to Cultivate **Medicinal Plants** in Wasteland and **Transfer of Technology to Farmers.Herbal QPM** -St. Joseph’s College, Tiruchirapalli.

**Coordinator in Research Projects**

1. **100 Species of Common Snake** ‘Snake Diversity Field Level Project’ Prof. Madhav Gadgil, Biodiversity, Jawaharlal Center for Advanced Research, IISc, **Bangalore**
2. Olive Ridley **Turtle Conservation** Project, Dr. S. Boopathy, Salim Ali Center for Ornithology and Nat. History, **Coimbatore**, TN, India
3. **Neem Project** – Sponsored by Dept. of Science and Technology – as a coordinator to entire state. Dr. R. Sathesh, School of Environment Studies,
4. **‘Harmless Snakes in Rodent Control’**, Dr. Sakunthala Sridhara, University of Agricultural Sciences, AICRP on Rodent Control, **Bangalore..**
5. **Herbal Biodiversity Assessment Project**, Dr. G. Kulandaivelu, Coordinator, School of Plant Sciences, Madurai Kamaraj University, **Madurai**, TN, India

6. Project on “**Beauty Therapy Packages**” – Thiagarajar Polytechnic College- Salem
7. **Madras Snake Park Research Committee**- Rat Snake & Viper census.

### **Self Funded Projects**

1. **Biodiversity of Herbs in Palani Hills** of Tamilnadu undertaken by Natural Resources Management Centre, Periyakulam, Theni
2. **Conservation of 30 Herbs, Helping in Rejuvenation of Snake Bite**, undertaken by Natural Resources Management Centre, Periyakulam, Theni
3. **Integrated Magnetic Treatment** towards Kidney Stone Clearance, undertaken by Natural Resources Management Centre, Periyakulam, Theni
4. **Herbal treatment towards Thyroid Imbalances**, undertaken by Natural Resources Management Centre, Periyakulam, Theni and Rajendra Herbal Research and Training Centre, Theni
5. **Integrated Herbal treatment towards Skin Ailments** undertaken by Natural Resources Management Centre, Periyakulam, Theni and Rajendra Herbal Research & Training Centre, Theni
6. Trap crops as the Best Biological Control technique undertaken by Natural Resources Management Centre, Periyakulam, Theni and Rajendra Herbal Research Centre, Theni
7. **Rodent control by Non Venomous Snakes** undertaken by Natural Resources Management Centre, Periyakulam, Theni
8. **Foraging behavior of Snakes** undertaken by Natural Resources Management Centre, Periyakulam, Theni
9. **Life table and life span analysis of Ovoviviparous Snakes** undertaken by Natural Resources Management Centre, Periyakulam, Theni
10. **Studies on Cosmetic Herbs** undertaken by Natural Resources Management Centre, Periyakulam, Theni
11. **Herbal solutions for Weight Reduction, Obesity and Cholesterol** undertaken by Natural Resources Management Centre, Periyakulam, Theni

### **Scientific Extension Activity through Mass Media/Electronic Print Media**

“**Reaching the Unreached is the spirit of the Science**” in this way, **Dr. Aruna Devaraj** is very keen in stretching the knowhow to the needy people in the society. Every year she has been healing of an average of 200 kidney stone patients and 150 snake bite cases. She attends more than 150 programs (extension activities) in various section of the society viz., Rural Health Camp, Blood Donation Camp, AIDS Awareness Campaign, Medicinal Plant farmers meet,

**Herbal Technology for Women, Environmental Seminars and Snake Awareness programmes** for Tribes, Students, Officials, Farmers etc. in the Southern part of Tamilnadu.

### **Membership in Professional bodies and Societies**

1. Member, Wildlife expert committee for analyzing the ban of Snake Skin in Tamil Nadu
2. Member, Madras snake park trust, Chennai
3. Member, Snake Specialists Group, Chennai
4. Member, Snake Park Research Committee, Chennai
5. Member, Madras Naturalist Society, Chennai
6. Member, Executive committee, Ethological Society of India
7. Member, Academy of Zoology – India
8. Member, Women Development Forum – Theni
9. Member, Women Development Cell , Periyakulam, Theni
10. Member, Indian Science Congress, Bangalore
11. Member, Consumer Protection Council, Periyakulam, Theni
12. Member, Telephone Consumer Council, Periyakulam, Theni
13. Member, Varsanadu Social Service Society,
14. Member, Periyakulam “Reaches” Society for rural Uplift, , Periyakulam, Theni
15. Member, ACLF – Asian Council for Life and Family – Philipplines
16. Member, Indian Society of Invertebrate Reproduction
17. Member, Home Guard (Ex), Tamilnadu
18. Member, Palani Hills Conservation Council, Kodaikannal
19. Member, Eco-friendly Nature Club, JAC, Periyakulam, Theni
- 20. Member, Governing Body, Justin’s B.Ed., College, Madurai**
21. Member, Academic Council, MK University, Madurai 1990-1993
22. Member, Academic Council Arulanandar College, Karmathur, Madurai Dist 1996-1998
23. **Director & Founder Trustee** .Natural Resource management Centre Trust 2005
- 24. Member- Madurai Kamaraj University Library Garden Committee 2012**
- 25. Member Editorial Committee –Journal of Pharmaceutical and Scientific Innovation JPSI**
- 26. Associate Member –IJPDA**
27. Review Com. Member Jssem /IRPAC/2013

## **Special Accomplishment –Sharing of Traditional Health Expertise**

1. **Snake and Scorpion Bite Treatment** since 1969 (over 1600 cases)
2. **Herbal Medicine for Skin ailment** (Training for Self help groups)
3. Herbal Medicine for the **management of Asthma & Hypothyroid**
4. **Kidney Stone removal by Herbal Medicine** (over 500 calculi for research)
5. **Micro propagation of *Jatropha* and *Pongamia*** – SHGs
6. **Obesity caps & pain relievers** –Herbal Chocolates

## **Special Lectures/ Awareness programmes**

1. Snakes-Friend of man –Awareness programmes for Forest officials and College students of Theni, Madurai, and Sivagangai Districts.
2. Herbal Rejuvenation Workshops cum Short term Training Programmes on Dietetics, Juice Therapy and Herbal Cosmetology jointly undertaken with Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai
3. Biomedical Research on Phytochemistry, Entomology, Toxicology and Vector biology a joint venture with Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai and Natural Resources Management Centre, Theni
4. AIDS awareness and Herbal treatment towards Entrepreneurship, a joint venture of Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai and Natural Resources Management Centre, Periyakulam, Theni
5. Environmental Education and Training programmes, organized by Natural Resources Management Centre, Periyakulam, Theni
6. Biotechnology Research towards Green Revolution, organized by Natural Resources Management Centre, Periyakulam, Theni
7. Training cum workshop on Biodiversity and Conservation of Medicinal Plants, organized by Natural Resources Management Centre, Periyakulam, Theni
8. QPM production of prioritized medicinal plants in Theni and Madurai Districts under the auspice of National Medicinal Plant Board, New Delhi organized by Natural Resources Management Centre, Periyakulam, Theni
9. Training Program on Biodiversity Conservation Techniques organized by Natural Resources Management Centre, Periyakulam, Theni
10. Clinical nutrition –Immunity boosting Herbal rusk for children organized by Natural Resources Management Centre, Periyakulam, Theni
11. Herbal Research and Training jointly organized by Natural Resources Management Centre, Periyakulam, Theni and Rajendra Herbal Research & Training Centre, Periyakulam , Theni Dist.



12. Snake bite and First aid for Youth at Natural Resource Management Centre, Periyakulam, Theni District.
13. Poisonous Medicinal Plants for the treatment of Pulmonary and Asthmatic problems undertaken by Natural Resources Management Centre, Periyakulam, Theni
14. Herbal solutions for Weight Reduction, Obesity and Cholesterol undertaken by Natural Resources Management Centre, Periyakulam, Theni

### **Extension Activity through Radio program**

1. Delivered several lectures on **Snakes, Birds, Mammals and Nature cure** in AIR
2. Delivered a radio lecture on **Snakes**, All India Radio, Madurai.
3. Delivered a radio lecture on **medication through plants**, All India Radio, Tuticorin.
4. Delivered a radio lecture **Herbal Health Programme** in Vanavil, Kodai FM, Kodaikanal
5. An address on the **Environment** Day Programme, Suriyan FM, Madurai

### **Extension Activity through Television program**

1. A 20 minutes long programme on snakes, a special telecast on the Sun News Network Channel, Chennai
2. A 20 minutes long programme on snakes, a special telecast on the Jaya News Channel, Chennai
3. A special program on “**Snakes - my pets**”, Sun TV, Sun Network Channel, Chennai
4. A special program on “Snakes” in Niya Nana –Vijay TV, Chennai
5. A special program “Ippadikku Rose” in Vijay TV, Chennai
6. **Know your Snakes** for Madurai, Theni, Sivaganga Region in Madhura TV, Madurai.

### **Extension Activity through articles in Local/National Newspapers/ Magazine**

1. Wrote several news/ popular articles in daily National Newspapers viz., Times of India, Indian Express, Dhina Malar, Dhina Thanthi.
2. Wrote a special article **Snakes are my pets** in Deepavali malar, Kumudham.
3. Wrote a special article **Snakes are my pets in India Worldwide**.
4. Wrote an article on **Scorpions in Health Action** Magazine.
5. Wrote a special article on Snakes in Ariga Ariviyal, Magazine by CECRI.
6. Wrote a special article on **BP and cholesterol** in Devi Magazine (fortnightly).
7. Dietary Schedule to **Control Diabetes** in Devi Magazine (fortnightly).
8. **Herbal Management- Stomach disorders** in Children in Devi Magazine (fortnightly).

9. **Skin care & other useful hints for youth** in Devi Magazine (fortnightly).
10. Yesuvini Arulmozhi Spiritual Magazine for Students –**Learning methods**.
11. Wrote a special article on **Snake Friend of Farmers** in Magazine Vivasayee.
12. Lady Researcher on Snake in Magazine Anbuveli.

### **Other Extension Activities through Workshop on Snakes and useful Herbs**

1. Organized a workshop for District Forest Officials, Theni District
2. Conducted a workshop for School Students, Theni District
3. Organized a training program for Elementary School Teachers, Chinnamanur, Theni Dist
4. Organized a training program for Middle School Teachers, Chinnamanur, Theni District
5. Conducted a workshop for Zone III Rotary club members, Theni District
6. Organized training programs for High School Headmasters and Headmistress, Theni Dist
7. Delivered a special lectures to College teachers, Academic Staff College, MKU, Madurai
8. Special Workshop on Holistic Herbal Health, Healing Herbs & Herbal Cosmetology  
-Students of Lady Doak college, Aditanar College of Engineering, Holy Cross College, Trichy
9. Herbal Health-Intercollegiate Seminars at Holy Cross College & Ayyappa College, Kanyakumari.
10. Herbal Health Entrepreneurship- Food Science Dept.-Karunya University.
11. Holistic Herbal health Programme for Self-help groups

### **Improvement of Professional Competence**

**(through participation in Orientation/ Refresher courses/ Workshops/ Seminar)**

Project India Seminar: US Information Service & Cultural centre (1968). American College, TN  
New Techniques in Religious and Moral Instruction 5<sup>th</sup> .15<sup>th</sup> May 1970 .

Summer Institute in English Language Teaching–MKU Univ..18<sup>th</sup> May to 5<sup>th</sup> June 1970.

Workshop on Orientation and Advertising. Youth welfare Bodi.29.06.1975

Teaching Techniques and Question Bank.30.03.76 - .01.04.76

Workshop on Semester System .UGC ,MKU.8<sup>th</sup> .10<sup>th</sup> 1977

Orientation Programme for College Autonomy –Madras. 21.04.80 .26.04.80

Human relations in Educational Management .UGC MKU to 14.02.1981.

UGC Teachers II .MKU 06.08.1983.National Integration. Women's Forum Theni 27.02.1986

Nature Conservation and Development, Kodaikanal 27.07 .87 to 29 .07.87

Women's Equality Mother Teresa Univ., Madurai.30.11.1988

Statistics for Biologists –Madurai 14<sup>th</sup> .22<sup>nd</sup> Feb.1989

Population Education and Public Health, PKM 06.01.1990

Recent Developments in Biotechnology.20.10.1990

Survey Report on Social Problems of Women .26.12.1990

Training for Resource persons of Consumer Awareness –Madurai Medical College 04.02.1993 to 05.02.1993.

Workshop on Computer Applications. Wordstar, Lotus1.2.308.11.1995 to 09.11.1995.

Seminar on Conflict management 26.01.1996. 28.01.1996

### **Resource person on Stress Management /Herbal Technology 1997 on**

Date	Subject	Beneficiaries
2.8.97	Stress Management Keeping Yourself fit mentally, Physically.	Engineers of Theni Electricity distribution circle Engineers.- 40 engineers
16.2.98	Poisonous Snakes Types. Identification Uses of venom.	M.Sc Applied Biology Students of Gandhigram Rural institute -.20 scholars
22.2.99	Herbal Technology for womenMr. Valampuri John & Dr Aruna Devaraj	Participants of the National Seminar of Mother Teresa Univ. staff - 120 participants
15.3.99	Nature cure of Environmental Biology.	M K university. Academic staff college.26 <sup>th</sup> orientation programme.-50 Professors
14.5.99	Ecological awareness	MKU.27 <sup>th</sup> orientation programme.-50 professors
9.6.99	Medicinal Plants.(Refresher Course)	School of Biological science of MKU Env't. physiology of photobiology (50 Biology Professors )
2.10.99	Conservation of Endangered herbs.	P.G Diploma Course Students on Medicinal Plants.12 doctors Siddha/ Allopathy/Homoeo
1.7.2000	Poisonous Medicinal Plants	Practicing doctors 25.

### **Resource person on Environmental Education, Awareness Programme**

Date	Workshop/Seminar/Lecture	Institution/Media	Beneficiaries
10.02.01	WS. Natural medicine and Preparatory Techniques	M.K. University Biology department	15 Siddha Doctors and graduates

14.02.01	Seminar.Snakes and useful herbs	Meenakshi College Madurai	180 Biology Students
18.02.01	Religious Harmony meet .Divine Nature	Periyakulam	250 Hindu, X'tian and Muslims
03.03.10	Snakes and Snake Parks	Gandhigram Univ.	40 postgraduates. Biology
10.03.01	Herbal medicine for Diabetes, Arthritis and Skin Problems.	Madurai University	20 Univ. Students.
16.05.01	Conservation of Reptiles.Turtles and Snakes	Theni Forest Department	120 Forest Guards and Officials
30.05.01	Seminar.Naturopathy and Health	Theni	150 School teachers
24.07.01	Interaction. Action plan –AIDS and family Councelling	Periyakulam –Soport.NGO	12 Executive members
28.07.01	Herbal Cosmetology for Beauticians. National conference	Tuticorin –Geetha Hotel	75Entrepreneurs 50 Beauticians
01.08.01	Project .Environment .2001	Periyakulam.J.A.College	80 zoology students
04.08.01	Guest Lecture.Cosmetic herbs Demo. Aroma oil extraction	M.K.U. –School of Biology	12 Doctors (Siddha, Ayur vedha, Homoeo Naturo, and Allo)
10.08.01	Herbal Health	Malligai mahalir mantram.Theni	120 Ladies
16.08.01	Indian Express Interview.SNAKES are nature'sgift.not enemies	Madurai Edition. 29.08.01	Indian Express readers.
19.08.01	Seminar –Conserve Nature.Know your Herbs	Chinnamanur – NSS camp	250 villagers. Muthulapuram
19.08.01	Jeya T V Video. Anup and his wild friends Snakes and Turtles	TV Programme on 20.08 .01at 1.30 and 6 p.m	Jeya TV Viewers
29.08.01	Lecture. Role of Computer Education In seeking Jobs	Periyakulam APTECK	200 youth

04.09.01	Snake bites and treatment First Aid.Demonstration	Vaigai Dam	200 Junior Red Cross Boys.
08.09.01	Colloquium on Genomics. Round Table Discussion	Madurai kamaraj Univ. _ Immunology	50 Scientists
13.09.01	Resource Person Refresher course. Holistic Herbal health	Gandhigram Deemed Univ.	30 Biology Lecturers
02.10.01	Farmer's training Programme. Green Revolution	Theni Presentation convent.SHG	40 Farmers
20.10.01	National Seminar .Cultivation of Herbs .Paper Presentation	Trichi. Sri Sankara Educational Trust	250 Scientists, Farmers and Agri Students
31.10.01	Awareness lecture –Blood Donation	Theni. Health and Education Departments.	800 School students
10.11.01	Resource person. Seminar on Personality development	Kodaikanal –PCK Centre	57 computer students
16.12.01	One day National Seminar and Orientation. Herbal Beauty Therapy	Pondicherry. Ministry of HRD and Social Welfare	75 Beauticians

## Achievements in 2002- 2006

### **Motto : Herbal awareness towards Entrepreneurship**

#### **1.Herbal Health Awareness Programme.**

26.06.02 . Govt. Girls Higher Secondary School, Periyakulam 1080 students

Govt. Higher Secondary School, Lakshmipuram .1200 students

27.08.02 Members of the Rotary Club,Theni.76 rotarians &guests

Members of the Beauty Therapy Association, Madurai 80 Beauticians

#### **11. Short Term Training Programmes.**

Jointly with the Dept. of Plant Sciences, M.K. University on Dietetics and  
Juice Therapy and Herbal Cosmetics.

June 2002 . 40 participants

July 2002 . 9 participants

Dec. 2002 . 24 participants

March 2003 . 10 participants

27.07.05 . Snakes , Snake bite and herbal Solutions –Einstein science association , S.K.A. Training institute, Aundipatti.

30.07.05 . Training programme for Zoology P.G Assistants of Theni Dist

**Coaching in effective teaching of Bioinformatics**

26.09.05 – **In.Service Training** to Teachers. Zoology P.G. Assistants  
Muthu thevanpatti Matriculation School, Theni.

**111.AIDS Awareness programmes with Presentation Convent ,Theni.**

06. 10 .2002 . Adhoc Committee meet(AIDS Rehabilitation Centre)

01. 12. 2002 . AIDS awareness Quiz.Higher Sec. students of Theni District. (400)

05.06.2004 . AIDS awareness programme

19.06.2004 Meet at jeevan Jyothi Hospice for AIDS affected families..

**IV . Spiritual Awareness Message**

24.11.02 . 54<sup>th</sup> Women's year –CSI Church ,Vadagarai 87 ladies  
Multi religious meet for youth at Periyakulam. .

**V. Publication of Health Manuals .Rajendra Herbal Research and Training Centre.**

1 .Dietetics and Juice therapy. 2.Herbal cosmetology

**VI . State level Workshops/ seminars –Participation and Paper presentation**

Seminar on Industrial Opportunities at Theni . 23. 10 . 02

Cultivation and Export opportunities in Medicinal Aromatic and Cosmetic plants.

04.10.05 . **District Industrial Seminar** in Tamil nadu chamber of  
commerce and Industry– Presentation of a paper on **Tissue culture of  
medicinal plants and Industrial opportunities.**

26.07.05 . Paper presentation at the national Seminar on water Quality –Govt.  
Arts Cllege, Kumbakonam (Visit to the Panic stricken school which lost 98  
children & planting of 98 medicinal plants in memory of them

23.09.05 . Participation – **State level Workshop on Quality Sustenance and  
Enhancement through Collaboration of CPE andCluster Colleges.**

## **VII . Bio-medical Research & Entrepreneurship programmes**

- June 2003. **Biodiversity Register**– Assessment of Ecosystems of Kumbukarai falls and Chothuparai Dam area.
- 28.06.03. **Seminar of potential opportunities in Madurai district.**
- “Made in Madurai 2003” – Horizon of Herbal cosmetology**
- 22.10.05 . **Dietetics Training Programme** for B.Sc . Zoo students of at JAC Horticultural College and Research Institute , TNAU ,Periyakulam.
- 27.10.05 – **Dist.Industrial Seminar.**Herbal Entrepreneurship ,Theni.

## **VIII. . Human resource development.“Herbal Home Remedies” /Academic–**

- July 2003 **Biocaps with coir pith manure for nursery plants.**
- Entrepreneurship seminar.** – District Industrial centre. Madurai Collectorate
- Agro based Herbal entrepreneurship..** Paper on Agrobased production of Herbal packs and mosquito repellents –DDC hall, Collectorate at Theni
- 27.06.05 – Board of Studies meeting at SFR College, Sivakasi.

## **IX Workshops and Guest Lectures**

- August 03 **Guest lecture** – “Hallucinogenic Herbs” - MKU – Madurai.
- Formulations and dosage forms of plant drugs in different Systems of medicine –
- Retired E.B. officials forum.. guest lecture** on cholesterol and cardiac problems
- October Workshop.75 college students of SFRC college, Sivakasi.
- Workshop for 32 farmers. ”Herbal cultivation”. PKM.
- Inter collegiate seminar – Inaugural and keynote address – Environmental issues and remedies – Thiagarajar college, Madurai.**
- Ladies club –State Bank officers regional centres.
- Holistic herbal health .The institution of Engineers of India ,Madurai.
- International Women’s day celebration.** Special lecture on Women and health at Madurai Kamaraj Univ.Women’s forum.
- Guest lecture on Population census. a tool for conservation”
- Workshop on “snakes and healing herbs”.Forest officials of Virudhunagar, Sivaganga and Ramnad at Sivaganga collectorate .

Walker's club .,Theni – walking ,an exercise towards progress.

21.03.05 –One Minute leadership. Guest lecture for Executive Engineers.MDU

20.07.05 –‘Effective situational Leadership’ –Guest lecture for Women

Executives of TNEB –MDU &,Virudhunagar . Lake view Hotel,

27.09.05 . Tamilnadu Electricity board Women Executive Engineers III batch.

Leadership - alemTharmapuri Region, , K.K. nagar, MDU.

23.11.05. **Holistic Health Care and Stress Management.**TNEB Women Exec.  
of Thermal power stationsof Ennore, Tuticorin,andTharmapuri.

**X . Registration No.R3/Ph.d/2003/No.715 Dt. 19.09.2003.**

**Research guide recognition in Life Science for 6 Part time Ph.D. candidates.**

.Attend orientation programme for research guides at Yadhava College,Madurai.

Registrants for Ph.D. – Biomedical research.(Zoo,Bot, Bio-chem,Bio tech).

**XI Health Excellence Award** .Indian board of alternative medicine , Calcutta.

**XII Round table discussion.** State level.Seminar on medicinal plants.ar

Agricultural university,Periyakulam.

. **XIII Inauguration of the “Smart Look A/C Herbal Beauty parlour** for ladies and  
kids”at Thillainagar,Trichy.

**XIV Population Census of Snakes with** forest officials at squirrel sanctuary,  
Srivilliputhoor.

**XV Rajendra Herbal Garden with98 species of Medicinal Plants Got ready at**  
**Genguvarpatty**

**Herbal Rejuvenation, Dietetics and Juice Therapy, Snake Bite Treatment Workshops**

Date	Beneficiaries	No	Venue	Town
26.01.05	JA College students B.Sc., and M.Sc.	54	J A C St.Anne's Auditorium	Periyakulam, Theni Dist
12.02.05	Officials and Agriculturists Theni District.	28	Jeevanjyothi Seminar Hall	Lakshmipuram
04.03.05	Microbio,Biotech,biochem students,Sourastra College	98	Seminar Hall Sourastracollege	Madurai



15.08.05	Training School Trainees.	95	SKA Training School,	Aundipatty
20.08.05	Mother Teresa Women's University, Post graduates	70	Hostel Seminar Hall, MTWU	Kodaikanal.
13.11.05	Self-help groups of Theni District.	41	Horticultural Coll and Research Inst.	Kamatchipuram, Periyakulam.
28.11.05	Arts and Home Science Students of Nilakkottai	69	Govt Art's Women's College.	Nilakkottai
10.12.05	Friends of Nature –Self help Group. Usilampatty	13	Rajendra herbal training Centre	Periyakulam
20.12.05	NSS Volunteers. Haji KRH College	78	Golden jubilee Auditorium	Uthamapalayam
24.12.05	Kalangiam Self help group	150	SRV Mahal	Batlagundu
18.01.06	Women Executives of Tamil Nadu Electricity Board (TNEB)	25	Hotel Tamil Nadu	Madurai
03.09.06	Cultivation of Andrographis For farmers	15	Natural Resource Management Centre	Theni district.
18.09.06	Cultivation and Export of Senna	50	JAC graduates	Tuticorin
29.09.06	Phytochemical properties of Gymnema sylvestre of theni	100	National conference .Chem Dept. JAC	Periyakulam
3.10.06	Herbal Health Awareness Programme .	105	NSS. Girls Higher Secondary School .	Periyakulam.
07 and 08. 11.06	Environmental biotechnology for Human welfare	150	National Seminar .Zoo Dept. JAC	Periyakulam.
18.11.06	Value added Herbal Cosmetics	120	NSS. Villagers and	Erumalainaicken

	Industry for women		SHGS	Patti
12.12.06	Bio.medical Research.M.Phil Registration	5	Manonmaniam, Bharathidasan and Periyar Universities	Tirunelveli,Trichy.
18.12.06	Release of Diet Rusk as Herbal Supplement	90	Foster mothers of Boys Town Orphanage	Genguvarpatti.
19.12.06	Conservation of Ecological Diversity. Guest Lecture .	30	Panchayat Presidents of Theni.	Chothuparai Dam.
20.12.06	Holistic Herbal Treatment	80	NSS. High school Students	Thamaraikulam .
01.02.07	Biodiesel project	35	Technology Transfer	Theni District
08 and 09 .02 .07	Micropropagation of Jatropha curcas and bottle irrigation.National Seminar	125	University Professors	Gandhigram deemed University Dindigul dist.
13.02.07	Herbal Entrepreneurship. Workshop	120	Thangamuthu Polytechnic Students	Kamatchipuram, Periyakulam Taluk.
23.02.07	Medicinal plants for Human Health and Nation's Wealth..State level Seminar – Keynote Address	120	Participants of the Seminar.	St.Mary's College Tuticorin.
05.03.07	Herbal health for women	270	VSSS ladies	Kadamalaikundu
10.03.07	Herbal health for women	350	SHG Ladies	Vasavi mahal, Theni
15.03.07	Women's day celebrations	450	SHG Ladies,PKM	Ramanujam hall
23.03.07	National Seminar-Holistic Herbal health for Women	120	Seminar participants.	Periyakulam.
18.07.2007	Workshop on Life Skill Development Training	90	Fostermothers of Reaching the unreached Inst.	RTU G. Kallipatti

## **Contribution since 2008 (Post retirement Achievements )**

**04-02-2008- As principal ,Jayaraj Chelladurai College(Co-Education ),affiliated  
To Madurai Kamaraj University,**

**Got affiliation& introduced BIOTECHNOLOGY,  
Microbiology,**

**Commerce with e-commerce at Under graduate  
Level.**

**09-03-2008 Best woman award (Ajantha fine Arts Chennai )  
Chennai**

### **Best woman award**



**07-06-2008 Manitha Neya Award (MGR Manithaneya mantram )  
Chennai**

**07-06-2009 Mini Projects for Biotechnology Post graduates towards  
Agro Bio Entrepreneurship  
Inauguration of Revolution Biotech centre for Youth at  
Dharmapuri .**

## Research Guidance-at Madurai Kamaraj

### University

Co –guides :1) Dr. Muthuchelian , Vice Chancellor ,Periyar University,Salem

2) Dr. Gunasekaran , Dept. of Genomics ,MK university, Madurai Currently Vice-Chancellor,Thiruvalluvar Univ.,Vellore

1. Dr Emimal Victoria E, Associate Professor in Zoology, Sri Meenakshi College Madurai Dist, R6/ PhD/ Regd/ PT/ 3136 (**PhD Degree Awarded**) Ref. No. R5/ ST/ PhD/ Zoo/ 697/ 08 dt.04.01.2010 (**Broncho dilatory** studies of *Adhatoda vasica*)
2. Tmt Santhi M, Associate Professor in Botany, SFR College for Women, Sivakasi, Virudhunagar Dist, , R6/ PhD/ Regd/ PT/3137 (**Ph.D.awarded** ) Ref. No. R2/ ST/ Botany/698/08&488/10 dt 21.07. 2011 (**Ulcer studies** on *Solanum nigrum*)
3. Sr. Irudhaya Kalaichelvam, Assistant Professor, Department of Zoology, JA College for Women, (Autonomous) Periyakulam.625601, Theni District, Tamilnadu, India, **Nematicide Formulation with marigold** R6/ PhD/ Regd/ PT/ P8631/ 2010; dt. 20.01.2010.( **Ph.D awarded on 24-07-2013** )
4. Tmt Arifa Banu, Asst, Professor in Microbiology, HKR College, Uthamapalayam, Theni District, Tamilnadu, India, **Formulation of a Herbal pesticide** using *Wedelia chinesis* , **a wound healing plant** using Vermiculture Technology. Research R6/ PhD/ Regd/ PT/ P8734/2010 dt.03.03.2010 .( **Ph.D awarded on 03-03-2014**)
5. Tmt Karpagam T, Lecturer, Department of Biochemistry, Shrimathi Indira Gandhi College, Trichy, TN, India; R6/ PhD/ Regd/ PT/ P8556. (**Anti ulcer& wound healing properties of Aloe vera – Ph.D. awarded on 19-09-2014** )
6. Tmt Sathia Nachiar, Bangalore **Micropropagation of *Jatropha curcas* & Biodiesel Quality**, R6/PhD/Regd./PT/P8597/2009(**PH.D.awarded on 26-08-2015**)
7. Tmt Geetha S. Lecturer in Microbiology, HKR College, Uthamapalayam, Theni District, Tamilnadu, India, R6/ PhD/ Regd/ PT/ P8864/2010 dt.29.04.2010.**Ecological impact of microbial fertigation on viticulture (Ph.Dawarded on 14-01-16)**
8. Tmt. Margret G. Rosaland Fathima Mary, Lecturer, Department of Biochemistry, Shrimathi Indra Gandhi College, Trichy, TN, India; R6/ PhD/ Regd/ PT/ P8555 (**Analgesic effect of *Chamellia sinensis***)

Natural Resource Management Trust Project- **Clinical Nutrition-Herbal Supplementary diet**

**Patent Application Submitted :Hygenic Technology to culture Medicinal plants without toxic effects :** Dr. Aruna Devaraj, ER. Devaraj , Er. Rajeev Joseph & Er. Raveena Judie Dolly

<http://www> Infoined.com contest-**Article published**– Lightup your Life with green Therapy **Editorial com. member 19-03-12 on- Pharmaceutical & Scientific Innovation , ISSN JPSI online . Editorial Com. Member as Associate-Editor: ijpda.com**

**Reviewer –** 1)Journal of Soil Science and Environmental Management -JSSEM -12-053 **Peer Review - 2)** [International Research Journal of Pure and Applied Chemistry](#)-2013\_IRJPAC\_8592

3)British Microbiology Research Journal -BMRJ -2014-11001

4) Manuscript no.AJAR\_31-12-13-8460

**Self Enrichment: Seminar on Bio-informatics -Attended at NIT,Calicut,Kerala ,& Lady Doak College, Madurai .** Participation in **National conference on Molecules To Materials –Solving the problems of Mankind ( NCMM-13)-15<sup>th</sup> and 16<sup>th</sup> Feb,2013. At Karunya University of Technology,Coimbatore**

**Participation & presentation of Papers in conferences at Madurai Kamaraj University :**

- Darwin 2000 at MU.V
- Mu.Va .Arangam-, MKUniversity.13-02-2010-Organised by Dr. Dharmalingam.Emeritus Prof.,Biotechnology.
- Biodiversity for sustainable Development: Threats,Indicators,Climate change,Poverty alleviation and Targets for safeguarding Biodiversity “25<sup>th</sup>-27<sup>th</sup> august2010 -Organised by Dr. Muthuchelian ,School of Environment & Energy,MK University **Conservation of Snakes & Herbs.**
- **International Conference on Science, Society & Sustainability at Lady Doak college** 11-13<sup>th</sup> Jan 2012-**Traditional Herbalism, A boon to snakebite after-effects.**
- **National Seminar on Computational Analysis in Medical Image Processing**-Information technology

Department, Karunya University. (20<sup>th</sup> -21<sup>st</sup> July 2012 )-  
Participation

**Participated as Resource person** –Three Days Workshop on Artemesia annua for Holistic Health- Holy Redeemer Hospital,Theni.. Herbal Garden at MADURAI KAMARAJ UNIV Library-Action Committee member -2012  
**56 Medicinal plants at MKU Library campus**

**Resource Person -Workshop on Herbal Health Technology &Press Highlights.**

- 1) **Herbal Cosmetology For Health & Beauty Therapy-**  
Economics Dept. 80 U.G. students of HOLY CROSS COLLEGE ,Trichy.
- 2) **Herbs for Health & Snake Bite.-Aditanar College of Technology.** Trichendur. 150 Engineering students.
- 3) **Herbal Stress management -** KMCT College of Technology- 75 Engineering Students , **CALICUT,Kerala.**
- 4) **Herbal Home Remedies** -7-12-2009 to 9-12-2010  
Preparation of OILS & ointments Skin problems.14 Nurses of S H M Congregation. Karnataka.
- 5) **Bio entrepreneurship** –TNAU-CBE, 50 B.Tech Students,12-03-2010
- 6) **Herbal Health** -Bharathi mahalir SHG –(100)–Theni  
24-03-10
- 7) **FACT Programme- Horticulture College TNAU**  
**,Coimbatore**  
16 B.Tech students of (23-04-2010 -25-04-2010)\*\*\*\*
- 8) **Herbal Health Technology for Women- Lady Doak College,** 54 Botany & Biotech Students( 3-05-10 &4-05-10)\*\*\*\*

9) **Rejuvenative Herbal remedies- 42 Rotarians** –  
Madurai West 24-05-10

10) **Environment day celebration-Highlight lecture for 50 Engineers** at The Institution of Engineer's (India) Auditorium , Madurai- 5-06-2010

11) **The Hindu –Metro plus ,Madurai , CBE& Chennai Edition** - Soma Basu 's interview on Dr.Aruna Devaraj - 10-07-2010 & 15 -07-2010

12) **Dhinakaran daily– Herbal Census**17-07-10 & **Sun T V News 8 -7-10**

13) **Food Biotech - Interactive seminar at Karunya University - 160 B.Tech Participants-** 24-07-10

14) **Biodiversity & Conservation** 24<sup>th</sup> Sept. 2010 .  
**Resource person- Intercoll. seminar– Zoology Dept.**150 participants , Holy cross College, Trichy.

15) Jeevan Jyothi **AIDS Hospice – Advisory Committee**  
Meet at Theni 25-9-10 .

16) **Biomedical images** - Guest Lecture for **85 ECE & IT** 8<sup>th</sup>  
October2010 Information Technology Dept. of **Karunya University, Coimbatore** .

17) **Domestication of Snakes an effective tool for  
Consevation of Green Snakes**

24<sup>th</sup> October 2010 –Wild Life Week Celebration 150 students–Fatima college .

18) **Seminars to Women Self Help Groups &  
Students :100participants ,Theni**

19) Anemia in Women- Prevention - 9-11-11 ,Holy Redeemer hospital,Theni.

20) Basic Health for all - Queries master checkup  
women groups - 13-11-11.

21) Atrocities against Women -Legal approach -  
25-11-11

### **2012-2013 -Dedicated to Pre clinical trials & Kidney stones study**

**Invited lecture** in National Conference at J.A.College on New frontiers in Biology- **Next generation sequencing technology-A boon to Biomedical informatics.(19-12-2012 )**

Collaborative research work with **Dr. Felicitas,A German Physician** on Herbal immunity Boosters for CD4 count in non ART AIDS Patients at JEEVAN Jyothi Hospice,Theni dist.

Herbal Fertility Booster & Anaemia Studies in women at Presentation Hospital in collaboration with **Dr. Rajapushpam Fernando.,M.B.,B.S.,**

Glaucoma & Zinc supplementation studies with **Dr. Ganesan, M.B.,B.S.,D.O.,M.D. Microbiologist,** Govt. Medical College,Theni.

Participation in **International conference** on NATURAL PRODUCTS IN THE MANAGEMENT OF CANCER/ DIABETES AND VIRAL INFECTIONS 7<sup>th</sup> & 8<sup>th</sup> march 2013 at Sastra University ,Thanjavoor.

Guest lecture on **Childhood marriages & Physiological Risks for Self help groups –Theni-19<sup>th</sup> Feb.2013**

Guest Lecture -**Contribution of women in Society Interdistrict Leadership camp for NSS volunteers** at Mary Matha CBSE School , Theni .organized by Directorate of Schools ,Chennai . on 22.02.2013 –.

**Student Project Activity** on “Wild Animals-Snakes & Tortoise as Pets” - For Velammal School Volunteers of Theni **Demo with live animals** on 1-03-2013 at Rajendra Herbal Research & training Centre , Periyakulam.(Motto- Train the youth to love Nature).

### **Papers Presented:**

**International Conference on Science, Society & Sustainability at Lady Doak college**

11-13<sup>th</sup> Jan 2012-**Traditional Herbalism, A boon to snakebite after-effects.**



**National Seminar on Computational Analysis in Medical Image Processing**-Information technology Department, Karunya University. (20<sup>th</sup> -21<sup>st</sup> July 2012 )-Participation

**Herbal Clinical Trials**- Kidney & Gall bladder Stones, Skin, Ulcer , Wound healing, Bites,

Cosmetic health, Hair Health ,Psoriasis., Arthritis , & Paralysis,Platelet Boosters.

Infertility & Adolescent problems ,Diabetes & Cholesterol ,IQ Immunity Boosters-

Spiritual & Health Counselling –Geriatric Centres.

**International Conference on Science, Society & Sustainability at Lady Doak college** 11-13<sup>th</sup> Jan 2012-Traditional Herbalism, A boon to snakebite after-effects.Orientation Programme for I Year Undergraduate students at Holy Cross College, Trichy-17-08-2013 .

**2014 : Motto : Motivate the Facilitators to Facilitate**

**Motivation For Science students-YSST** Programme at K R H College ,Uthamapalayam. 7-05-2014 Resource person–Environment is Student's Laboratory

**Resource Person – Academic staff college,Madurai Kamaraj University,Madurai.**

HolisticHerbal Health Care-Teachers of Colleges & Universities Academic Staff College- 70<sup>th</sup> Orientation Programme on -17-02-2014 & 71<sup>st</sup> Orientation Programme on19-03-2014 at MKUniversity.

**Facilitating the Facilitators at MK University-Academic Staff Orientation Programmes : 3hrs 75<sup>th</sup> Orientation Programme 11-1-2015 / 76<sup>th</sup> 18-11-2015 & 77<sup>th</sup> Orientation on 3-12-2015.**

**Papers published after retirement- International (16) National (4) Infoined.com ;Health (2)**

1) **R. Aruna Devaraj & L. Nirmala Anbu Rani** (2012) Herbal Solution for the Treatment of Diabetes mellitus. Journal of Pharmaceutical & Scientific Innovation-JPSI 1(1) Jan -Feb12,27-31.

2) **Ramya Subramaian, Gopinath Krishnasamy, Aruna Devaraj, & Ramaraj Jayakumararaj** Wound Healing Ethnopharmacological potentials of Selected medicinal plants used by Malayali Tribes. International Research journal of Pharmacy-ISSN 2230-8407-IRJP X (X) 2011

3) **R. Aruna Devaraj, T. Karpagam** Evaluation of anti inflammatory Activity & Analgesic effect of *Aloe vera* Leaf extract in Rats. International Research Journal of Pharmacy –ISSN 2230 -8407 –IRJP 2 (3) 2011;103 - 110

4) **T. karpagam, R. Aruna devaraj** ( 2011 ) Studies on the effect of *Aloe vera* on Antimicrobial activity IJRAP , 2(4),2011: 1286 -1289

5) **Iruthaya kalai selvam & Aruna Devaraj** (2011) Effect of root Exudates of *T. tagetes* sp. On egg hatching behavior of *Meloidogyne incognita*. ISSN 2230-8407 - IRJP 2011,2(10),93-966). **6) T.**

**Karpagam, R. Aruna Devaraj**, 2011 Anti diabetic and antioxidant potential of *Aloe vera* gel on experimentally induced Diabetic Rats .Exploring techniques in Biological Science 2011.39-47 Thanjavur.14-15<sup>th</sup> Dec. 2011  
7) **K. Arifa Banu & Aruna Devaraj** - Formulation of Herbal pesticide towards effective Biological control of Scale Insects in *Psidium guajava* L. International Journal of Pharmaceutical Research & Pharmacy vol.1,issue3 (2012)88-93 IJPRAS

8) **Subramanian Ramya, Gopinath Krishnasamy, Ramaraj Jayakumararaj, Nagoorgani Periathambi, Aruna Devaraj** Bioprospecting *Solanum nigrum* Linn. (Solanaceae) as a potential source of Anti-Microbial agents against selected Bacterial strains . Asian journal of Biomedical & pharmaceutical Sciences. 2(12)2012,65-68 . Research article. AJBPS

9) **K.Arifa Banu and Aruna Devaraj** Biochemical changes in *Mangifera indica* Linn Fruit due to infestation of Scale insects . International Journal of Pharmaceutical Research & Pharmacy vol.1,issue 4 (2012) 71-74 IJPRAS

10)**Panneerselvam A., Jayakumararaj R, Aruna Devaraj** ( 2013)  
Biopesticidal effect of Ethyl acetate in Leaf Extracts of *Datura metel* L.  
(Solanaceae ) on the larvae of *Helicoverpa armigera* (Hubner ) .Int. J..  
Pharm.Sci. rev. Res.18(1) Jan-Feb2013,nº 22,150-154

11) **Arifa Banu K. Aruna Devaraj** .A Novel Herbal Pesticide to control  
Adult Scale insects. JPSI 2 (4). Jul-Aug 2013. 22-25

12)**S. Sathianachiyar and Aruna Devaraj** .Biopolymer production by  
Bacterial species using Glycerol , a byproduct of Biodiesel . International  
journal of Scientific and Research Publications, Volume3, Issue8,  
August2013 .ISSN 2250-3153 [www.ijsrp.org](http://www.ijsrp.org)

13) **S.Geetha and Aruna Devaraj** -EFFECT OF MICROBIAL FERTIGATION  
AND PANCHAGAVYA ON THE GROWTH OF *VITIS VINIFERA* GRAFTINGS .  
International journal of Bioscience research-(IJBR)August 2013-Vol.2 Issue 4

14) **Sathianachiyar and Aruna Devaraj** .The Effect of Biofertilizer application on  
Chemical composition of oil from Micropropagated *Jatropha curcas* L.seeds IJPRAS Research  
article  
ISSN 2277-3657 International Journal of Pharmaceutical Research & Allied Sciences Volume 2, issue 4 (2013),42-50

15)**Aruna Devaraj R. & Devaraj P.** Revival of an Insulin Dependent Diabetic Teenage Girl By  
Herbal Therapy . Research Article World Journal of Pharmacy and Pharmaceutical Sciences  
ISSN2278-4357 [www.wjpps.com](http://www.wjpps.com) Vol3,Issue8 2014 ,pp 2000-2006

16) **Aruna Devaraj R. and Pushpam Fernando SR.** Research Report on 150 Primary  
Infertility Couples and case study of Chocolate cyst with Herbal Success.World Journal of  
Pharmaceutical Research [www.wjpr.net](http://www.wjpr.net) Vol 3,Issue6,2014 (Impact Factor5.045)

17) **S.Geetha and Aruna Devaraj R.** Research Article on Acute Oral Toxicity Studies of *Vitis  
vinifera* (Grapes) produced by microbial fertigation and foliar spray of panchagavya. Journal of  
Pharmaceutical & Scientific Innovation [www.jpisionline.com](http://www.jpisionline.com)JPSI3(3) may-june-2014,pp245-248

18)**Aruna Devaraj R.,Devaraj P, Rajeev Joseph D. & Raveena Judie Dolly D** Viperine  
snakebite after-effects and Traditional Herbal solutions. World Journal of Pharmaceutical  
Research ISSN-2277-7105 [www.wjpr.net](http://www.wjpr.net) Vol 3,Issue 9,pp1021-1028(Impact Factor5.045)

19) **Aruna Devaraj R.,Devaraj P, Raveena Judie Dolly D & Dinesh Peter,J.,**A Multifactorial approach to management of CKD due to struvite stones. World Journal of Pharmaceutical Research ISSN-2277-7105 [www.wjpr.net](http://www.wjpr.net)Vol.4.Issue2015 , 8,1978-1994 .(SJIF 5.990)

20) **S. Iruthaya Klai Selvam ,R.Aruna Devaraj ,C.Sagaya Rani** Allelopathic effect of *Tagetes erecta* on soil microbes and nematodes of papaya.Indo American journal of Pharmaceutical Research 2015 ;5(10) pp 3210-3219

### **ACUTE ORAL TOXICITY STUDIES OF *VITIS VINIFERA* (GRAPES)& *Artemisia annua* PRODUCED BY MICROBIAL FERTIGATION AND FOLIAR SPRAY OF PANCHAGAVYA.**

*\*Rajendra Herbal Research and training centre, Periyakulam-625601,Theni Dustrict*

**Herbal Clinical Trials- Kidney Problems , Gall bladder & Pancreatic Stones, Skin, Psoriasis, Arthritis , & Paralysis , Infertility & Adolescent problems ,Diabetes & Cholesterol ,IQ AIDS Syndrome- Immunity Boosters - CD4 & Thrombosis Joint Action Research with Dr. Med. Felicitas ANAMED GERMANY &Sr. Anastasia , Jeevan Jyothi Hospice, Theni Dist. **Spiritual & Health Counselling** –Oldage Nuns- Anne’s convent,Periyakulam. Future Scope- ICMR registered Human Clinical trials with Sastra University , Thanjavoor. Member- ANIMAL ETHICAL COMMITTEE, Government Theni Medical College,Theni.**

Joseph Lister Research Award-2015 -in Herpetology

**Dawn of 2016 -New wave-New Life –New Goals.**

**Workshops offered in 2016 for colleges. By Rajendra Herbal Research & Training Centre.Holistic Herbal Health programmeS & workshops /Herbal Technolgy for Teenagers & 40 plus**

- Facilitating the Facilitators - Effective Teaching, Learning and Research methods
- Students and scholars- SPA Excellence(Spiritual/ Personal/ Academic )
- Botany & Biotech Students - Herbal Entrepreneurship /Herbal Garden -Agri business)
- **Herbal Cosmetics for students- Workshop Health in your Hands.**
- Herbal First Aid for Snake bites, Scorpion bites and wounds- NSS & Extension programme.
- Teenagers- Haircare & Lady’s special Problems – workshop.

**Green Club Inauguration at Fatima College, Madurai .**

Future wellness programme for women at Bonsecours college, National Seminar on Biotechnology at Bon Secours College for women ,Thanjavoor.  
Motivation and Learning Technology for Matriculation & CBSE students. –Montfort – Trichy, Matriculation students at J C Mat. School, Periyakulam.

## 2016 –Book for children- Dew DROPS - snakearuna's Adventure

### 2017-Workshops /Seminars on Health for 20 plus /Self awareness/ Social awareness programmes for 60 plus / Skill training etc.

- Chief guest- Sports day at J C Mat School on 26-1-2017
- Seminar Resource at Karunya Institute of Technology & Sciences on Snake bites/First Aid & Treatment 11-02-2017
- Presented a paper on “Thembavaniyil Illaram vizhumiyangal ”-National Conference at J A .College For Women on 22-02-2017
- 8-03-2017- Women's Day celebration-Special Lecture on Women Empowerment. Rhythem S S Society,Nirmala College (Autonomous),Coimbatore (1300 women)
- Varusanadu (Sathanai pengal ) at Kadamalai Kundu (1000 women)on25-03-2017
- Retiring TNEB staff at Pasumalai-Workshop on Health Management 60 plus (7-04-17)
- Theni Bharathi Mahalir mantram – Health in your Hands 11-04-2017
- Chief Guest- Bible Day Celebration-Trichy Holy coss college (Autonomous)27-10 -2017
- Chief guest- Leema Martin Homoeopathy College- Founder's Day & 18<sup>th</sup> annual day & Sport's day 17<sup>th</sup> November 2017
- Resource person- one day workshop on Herbal care-cure at Holy Cross college,Trichy on 18<sup>th</sup> December 2017
- Chief guest –Christmas Celebration at Infant Jesus Matriculation School-Rayappanpatti- 22<sup>nd</sup> Dec.2017.

- Book published by NOTION PRESS- 28-10-2017 (Gj;Jzh;r;rpA+l;Lk; %ypiffs;) 6- 60 snakearuna's health talk available at Amazon.com

- Puthunarchiuttum mooligai anupavangal – 6 mudhal 60 varai :

**Snakearuna's Health Talk (NOTION PRESS)**

- **Dr.Arunadevaraj Rajendran's Author page-Notion Press/India's largest book Publisher notion press.com Rs. 165/-**



## **2018 -Goal - Training youth & women in Herbal Entrepreneurship**

- Herbal Research **Sathanai Virudhu** for Medicinal Plants Research – Jan 10<sup>th</sup> 2018 – awarded by Bennyquick Muthamil Mantram & KSK Medical Foundation ,Theni Dist.
- **Science Day Celebration** at Blossom CBSE School, **Thanjavoor** –March 6<sup>th</sup> 2018  
( Beneficiaries 187 Std IX and Std X1 students & 5 teachers)
- Biodiversity of MEDICINAL HERBS- ACADEMIC STAFF COLLEGE-MKU- March 12<sup>th</sup> 18  
( College Asst . Professors of various Colleges & universities of T .Nadu 110 )
- **Women's Day Celebration** at Sona Group Of Colleges, **Salem** - March 16<sup>th</sup> 2018
- (2000 college students of Sona Engineering & Polytechnic Colleges )
- Presides the 24<sup>th</sup> School day function at **NSN Mahal ,Periyakulam- 07-04-2018**
- Experiencing travel by air and land to enjoy - cultural heritage - 24<sup>th</sup> May to 27<sup>th</sup> May  
Visit to India's capital **DELHI- Agra** trip by AirIndia Express-HO HO Travels-Gatimaan Express train, Panjab mail and Indigo flight. From Madurai back to Coimbatore
- Seminar on Guidance & counselling- Motivation towards Effective Teaching.Teaching Technology- St. Anne's College of Education - 160 Budding teachers.21-06-18
- Good health programme for Electronics & Communication Engineers of karunya Institute of Technology (deemed to be University)
- PG Science Teachers of Theni District (GOVT &Aided Schools)- Orientation Programme at Kammavar College of Engineering College Auditorium,Theni
- As Chief guest -Children's Day Celebration at Govt. High School, Kallipatti. On14-11-2018 Periyakulam,Theni Dist.
- Holy cross college.Zoology Dept. –Homage to Dr Sr Dona,Former HOD & Principal till 1984.-23-11-2018

- Library week celebration as Chief guest.-Key note address on Reading leads to Excellence at Mary Matha Matric & C B S C School. Theni29-11-2018
- Resource person- 2 Orientation programmes-10-1 and 2-5p.m at MKUniversity Academic Staff College,1-12-2018
- Bio-Diversity Conservation Meet of School Teachers of Green Club of Theni District at Kadamalaikundu-Organized by LAW Trust in Collaboration with National Bio-Diversity Authority 12-12-2018.
- Resource person- Biodiversity of snakes Refresher Course-10-1 pm at MKUniversity Academic Staff College,20-12-2018

## **2019-Year of Fulfilment and contribution**

### **(Resource Lectures on Biodiversity and Herbal Informatics)**

- **Resource person**- 2 programmes refresher course- Religious and Moral values for teachers-10-1 and 2-5p.m at M KUniversity Academic Staff College,02-01-2019
- **As Chief Guest** -Sports meet Celebration at Hayagreeva Vidhyalaya,Kadamalaikundu, Theni District on 12 – 01- 2019
- **Resourceperson.** Drug Abuse and deaddiction measures- Training seminar for Tansac workers of Theni Dist,at Jeevan Jyothy Hospice Seminar hall – 11- 1.p.m. 25-02-2019
- **Chief guest & guest lecturer -Women's day Celebration 08-03-2019** Govt. Arts & Science College,Nilakkottai (MTWU) **Students 2223** , Asst & Associate professors 98.
- **Painthamil Vizha & Women's Day Celebration 12-03-2019** Nadar Saraswathy B.Ed College,Theni . B.Ed. & M. Ed students, Teachers and guests.
- **Illakia malai & Urathasinthanai** -Felicitation to Director S.P Muthuraman (75 films) &Tamil chemmal Teacher turned writer(206 books) S. Kuppusamy.on 13-04-2019 at Hotel Theni International,Theni. **2019** Resource person Bio-Diversity -Refresher

course in Value Education at MKUniversity Academic Staff College 2-5 p.m on 02-01-2019

- Independence Day address-Seventh day Adventist School, periyakulam , 15-08-2019
- Medicinal plants and health- 87<sup>th</sup> orientation programme batch 1 - MK University UGC Human Resource Development Centre 10-1p.m 88<sup>th</sup> orientation programme 2-5 m11-07-2019
- St Anne's Community college- Herbal Cosmetology workshop10-1.0pm 8.8.2019
- Independence Day address-Seventh day Adventist School, periyakulam , 15-08-2019
- Seventh day South zone competitions on Drug abuse Motivation lecture -22-08-19
- **Herbal Informatics for Integrated Health Management, -Key note address 26-9-19**  
National Conference on **Latest trends in Life Sciences-Hajee Karutha Rawther College, Uthamapalayam**
- Sathanaialar virudhu- 88<sup>th</sup> A.P.J Abdul kalambirthday award & Book release-  
Manavame-Sothanaiei Sathanaiyakku 14<sup>th</sup> October 2019
- **UGC HRD online programme resource person - M K University -Environment and Health-Biodiversity- 7-12-2019**
- **You tube Channel on Self care traditions-Health Talk.**
- **50 videos on Health, Pain,teenage problems and Snakebite aftereffects.**  
**Ongoing (40pains and 40 solutions).**

## **2020 –Contribution to Health**

- **7-1-2020- Presides annual Day - Bharathy mahalir mantram, Theni**
- **2-2-2020 –inaugurates and waves flag for Marathan from Chothuparai**
- **3-2-2020 Tylophora -drug for corona -**
- **3-4-2020 Research on Tinospora,Gymnema,Alpinia and Blepharis**

## **2021 Golden Jubilee Celebration**

## **2022-Biodiversity & Conservation of snakes and medicinal plants.**

**Feb7th -Rat snake**



11 th -at trichy18th march

**AYUSHDHARA**

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An International Journal of Research in AYUSH and Allied Systems  
An Integrated Herbal Therapy for Psoriasis.

ARUNADEVARAJ RAJENDRAN<sup>1\*</sup>, D.RAJEEV JOSEPH<sup>2</sup>, R.ANUP RAVEEN  
JAISON<sup>3</sup>.



For College Students/Engineering graduates

Nature, God's Gift for You.  
Know your snakes & Save our Snakes.  
How to win your Race  
Be an EFFECTIVE learner /teacher.  
Be a Healthy YOU.  
Problems of a teenager.  
Dare to be different to Reach the goal.  
Be an over achiever.  
E-Learning Techniques.  
Tone Your IQ to tune your intelligence.  
Herbal Cosmetics

**One day Seminar on**

FACT programmes-Family Agro Care Technology/Herbal Health Programmes.

*DR.Aruna Devaraj, Madurai Kamaraj University Research Guide,  
Director, Rajendra Herbal Research & Training centre,  
Natural Resource Management centre Trust, Reg. No. 53/2005 ,  
15-2/32, Shastri Nagar, kallipatti ,Periyakulam , Theni Dist 625605.  
E-mail id [snakearuna@yahoo.com](mailto:snakearuna@yahoo.com). Mob ;9842131434*

<http://www.infoined.com/lifestyle/light-up-your-life-with-rejuvenative-green-therapy-1>

**THE BEST IS YET TO BE.**

**DR. R. Aruna Devaraj** is an eminent herpetologist, Herbal Scientist , a leading magneto therapist & a pioneer in Holistic Herbal Rejuvenation Therapy. **50 years frontline experience in Academic Research and practice of Herbal Medicine publications and presentation in National, International /State level Seminars, Workshops, Symposium and Science Congress** with a motto ‘**Give endless hope to people at Hopeless ends** ‘ have won laurels awards, and prizes in the field of Academic Research, Herbal Medicine, Environmental Biology, & Health Care.

As Former Head, Post graduate and Research Dept of Zoology, Jayaraj Annapackiam College for Women, Periyakulam is a Registered Research guide of Madurai Kamaraj University in Life Sciences. has received more than 20 awards as best Professor 1999, Best Researcher and herbal Scientist 2000, Best Citizen of India 2015 award Sathanai pen award 2007 Joseph lister Herpetological Research 2015, Dr. Abdul kalam award 2019. During her tenure as Reader in Zoology, Has 1800 graduates, more than 300 postgraduates, 20 M.Phil scholars and 7 Ph.D scholars.

Being a Resource person to various universities, Executives, Self help groups, Forest officials and people from all walks of Life on Clinical Nutrition and Dietetics, Stress Management, Biodiversity Conservation of snakes and medicinal plants, Snakes and Snake bites, First Aid, Holistic Herbal Health Care, Herbal Cosmetology, Herbal Rejuvenation and Herbal Heritage of India.

Nutraceuticals can make you healthy, Pharmaceuticals can cure but only Herbaceuticals can heal you whether you are 6 or 69 years of age. Research on Herbal medicine continues and presently Herbal Informatics leading to Standardization, Drug designing and patenting Traditional Herbal medicine and aggressive precision farming agro technology with herbal pesticides is the Passion of Dr. Aruna Devaraj. Her area of Specialization are Herbology, Herpetology Environmental Biotechnology Magnetotherapy and women Entrepreneurship.

Dr. M. V. Rajendran, Ph.D. BHMS Founder Trustee of Madras Snake Park, Professor of Zoology, St Xavier's College, Palayamkottai had been the Father, Guru, Guide and guardian of Dr. Aruna & ER. Devaraj, who had trained the couple in Field trekking, Snake census and Family Agro Technology. Having scored state first Rank in B.Sc. Zoology 1967 and University First rank in M.Sc. Zoology in the first batch of Madurai Kamaraj University won Sewa Ratna award for clearing Skin and Kidney problems. Biology of *Echis Carinatus* a viperine snake was her Ph.D work. A text book of Zoology, for Pre University students 1975, Lab Guide for Ecology in 1977, Manual on Clinical Nutrition and Dietetics, Herbal Cosmetology, Problems of Youth and Herbal Solutions, Dew Drops - snake Aruna's adventure for Children, Puthunarchiyootum mooligai anupavangal for 6 to 60 years, Manavamae - Sothanaiei sathanaiyakku were a few books and manuals published apart from the 25 papers published on Biomedical Research.

**Go green –Enjoy green health- Nurtue Nature's Biodiversity. Give Endless hope to People at Hopeless ends.**