



Profile

Prof. Dr. RAJENDRAN AANAIMUTHU

M.Sc., Ph.D. A.I.C, F.I.C., C.Chem, P.G.D.M.M.,

Proprietor

LIFE CARE PHYTO REMEDIES / LIFE CARE PHYTO LABS

Prof Dr.A.Rajendran

M.Sc., Ph.D., F.I.C., C.Chem, P.G.D.M.M.,

Proprietor | LIFE CARE PHYTO REMEDIES
LIFE CARE PHYTO LABS

Personal Information

Prof **Dr.A.Rajendran** has an illustrious research career spanning over 30 years in herbal research. He did his Doctorate in science and humanities at Anna University, Chennai. He has an outstanding experience in Phytotechnology Innovation, Cultivation, Extraction, processing and value addition of herbal medicines, nutraceuticals, Cosmeceuticals and bio agro products. He has own patent in Aloe vera cold processing technology through NRDC, New Delhi He has been carrying on Research and Development activities in various herbal formulations and has developed several formulations of Medicines, Cosmetic and Nutraceuticals. Life Care Phyto Labs is a mission started in 2015 to be a primary manufacturer and supplier of active herbal (Indian system of medicines) pharmaceutical ingredients of the highest quality and purity to the traditional pharmaceutical and emerging phytopharmaceutical Industries. Life Care Phyto Labs has expertise in the extraction, Isolation, purification and standardization of various formulations derived from plants and other natural sources that can be incorporated into regulated, finished formulations, prescription and Otc products to be sold by others. Life Care Phyto Labs believes that it has developed a competitive advantage in its ability to source important raw materials through solid relationships.

He has been a member of TTFC-Technology Trade Felicitation Centre, NRDC, New Delhi. Technical Advisor of Tamil Nadu Ayurvedic Siddha and Unani Manufacturers Association, (TASUDMA), Science and Technology Entrepreneurship Development Scheme, STED (N.E.B), Thanjavur (Dept of Science and Technology, Govt of India), International Senior Advisor: ISA-United Nation Industrial Development Organization –Phytomedicine value chain development (UNIDO). Research Advisor: Phyto Medicine, National Industrial Research Development Agency (NIRDA), Rwanda, Research Collaborations: CSIR-National Botanical Research Institute-NBRI Lucknow, India. Life Member: The Indian Science Congress Association (ISCA), Calcutta, Life Member: Indian. Association of Pharmaceutical Scientists &Technologists, Life Member: Chemical Research Society of India, Member: Conserve Africa Foundation, London, Member: Society for Plant Biochemistry and Biotechnology, IARI, New Delhi, Member: Indian Phyto Pathological Society, IARI, Member: Association of Food Scientists Technologists (India), AFSTI, Mysore, Academic council Member:Saveetha University, hennai,India,Member: Board of Studies of the faculty of Science and Humanities, Anna University, Chennai – 600 02 and ASI Fellows: The African Scientific Institute (www.asi-org.net), P.O. Box 20810, Piedmont, CA 94620.



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Ayyappanhangal - Chennai



With his Excellency

DR.A.P.J. ABDUL KALAM,

Former president of India,

at Raj Bhavan, Chennai on 08.01.2012

on Phytotech precision farming innovation helped
in employment generation and achieving social
and economical transformation.

Awards & Achievements



Received “Rajiv Gandhi Award” in the year 2015

“Innovative researcher award 2013” from the honorable chief guest for the outstanding contribution towards the development of new drug delivery system and the activities of **Society of Pharmaceutical Education & Research (SPER)** on 09th March 2013 at Convention Centre, Jamia Hamdard, Hamdard University, New Delhi, India.



“Bharat Jyoti award” for meritorious services, outstanding performance and remarkable role by, former governor of Tamilnadu & Assam at a seminar on economic growth & national integration at New Delhi on 14th February,2012.

Conference-Eminent Speaker,
India Beyond 2020 Challenges &
Oppprtunities On 15.05.2020,
Organized by, **Dr. A.P.J. Abdul Kalam,**
International Foundation
House Of Kalam-Rameswaram



Awards & Achievements

Tamil Nadu BEST ENTREPRENEUR AWARD 2018-19



Tamil Nadu State level THE BEST ENTREPRENEUR AWARD 2016-17.

Tamil Nadu Hon'ble Chief Minister's Award Tamilnadu's The BEST AGRO BASED INDUSTRY AWARD State Level-MSME Department-16.02.2021.

M/s. Life Care Phyto Labs, Proprietor, Prof. Dr. A. Rajendran Perambalur is Awarded the Trophy for **The Best Agro-based Nutraceutical Supplements Manufacturing Firm** That Specialises In Plant-derived Formulations and Pharmaceutical Products Has Been Setting New Benchmarks In The Sector For The Year 2018-19.




Tamil Nadu Hon'ble Chief Minister's Award- THE BEST ENTREPRENEUR AWARD District Level, MSME Department-16.02.2021.

M/s. Life Care Phyto Labs, Proprietor, Prof. Dr. A. Rajendran Perambalur is Awarded the Trophy for **THE BEST ENTREPRENEUR AWARD** Firm That Specialises In Plant-derived Formulations and Pharmaceutical Products Has Been Setting New Benchmarks In The Sector For The Year 2016-17.

Membership At Various Societies


 **Member:** Academic Council., Saveetha University, Chennai, India.



 **Member:** TTFC-Technology Trade Felicitation Centre, NRDC, New Delhi.




NATIONAL RESEARCH DEVELOPMENT CORPORATION

 **Life Member:** ABLE-Association of Biotechnology Led Enterprises.



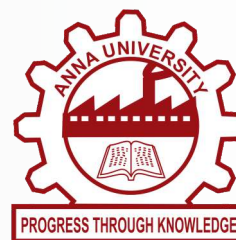
 **Life Member:** The Indian Science Congress Association (ISCA), Calcutta.


 **Life Member:** Indian Association of Pharmaceutical Scientists & Technologists.



 **Life Member:** Chemical Research Society of India.


 **Member:** Conserve Africa Foundation, London.



 **Board of Governor:** Periyar TBI-Periyar Maniammai University, Thanjavur.

 **Member:** Indian Society for Plant physiology.




 **Member:** Society for Plant Biochemistry and Biotechnology, IARI, New Delhi.




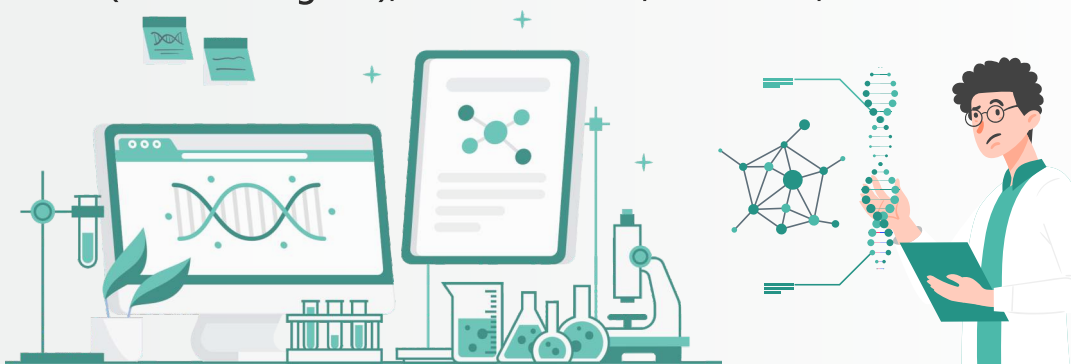
 **Member:** Indian Phytopathological Society, IARI.



 **Member:** Association of Food Scientists Technologists (India), AFSTI, Mysore.

 **Member:** Board of Studies of the faculty of Science and Humanities, Anna University.

 **ASI Fellows:** The African Scientific Institute (www.asi-org.net), P.O. Box 20810, Piedmont, CA 94620.



Main Fields of Expertise

MAIN AREA

ADDITIONAL INFORMATION

EXPERTISE 1

Expertise in Aloe vera Cold Process Technology with 275 value addition downstream products.

Proven & successfully commercialized more than 14 Industries and promoted Entrepreneurs all over India on Turnkey basis from cultivation to end products.

EXPERTISE 2

Expertise in Herbal Health Dietary concentrate Supplement (Noni, Stevia, Amla, Musli & Moringa).

Technology commercialized many formulation in different brand names under registered trade mark.

EXPERTISE 3

Formulation Expertise in Food supplement Powders, capsules, Jams, Drinks, concentrates, RTS & Energy drink Product development & licensing.

Technology commercialized many formulation in different brand names Complete technical services from A-Z (Plant & machineries, processing, quality control, brochures & promotional inputs).

EXPERTISE 4

Expertise in Multi herbal extraction, isolation, purification, soft extract, dry extract, and for formulations technology & licensing.

Technology commercialized many formulation in different brand names.

EXPERTISE 5

Expertise in Food colours Extraction, Skinceuticals, Nutraceuticals, Phytomedicines, & Bio Agro products.

Technology commercialized many formulations in different brand names More than 200 brands are available in the market.

Patent Details

Patented Cold process technology, vide patent No: IPR/FA/11103-L/2012 (Cultivation, Extraction, Designing, Isolation and Characterization of Novel Bio Actives from Plants) based at Chennai, India.

Employment Record

TITLE OF POSITION HELD	NAME OF THE ORGANIZATION PLACE	DURATION
DIRECTOR -TECHNICAL	SRESAN BIO AGRO TECH PVT LTD, CHENNAI, INDIA.	APRIL 1994 to JUNE 1997
PROPRIETOR	LIFE CARE PHYTO REMEDIES 14, kamatchi Nagar, II nd street, Ayyappanthangal, Chennai 600 056, India, Phone: 044-65617503, Fax: 044-24763436, Mob: 94440 22436,	July 1997 to Till date

Description of the Tasks and Responsibilities

Director –Technical ,Research and development of new Bio Agro Eco-friendly products, food products,sppplenets,Nutraceuticals and extraction of Vitamin-E from (Tocopherol acetate) from natural vegetable sources. Commercialized many health care phytochemicals products and pharmaceutical range of products.

Additional Positions Held that You Considered Find Relevant

Chief Chemist – **CONSTER CHEMICALS LTD** (From April 1990-March 1994) Developed Bio derived Eco-friendly Agro products for plant growth promoter/regulator, Bio pesticide, bio fungicide, Nematodes and Urea coating agents for sustained release. Five years worked as a "**CHIEF CHEMIST**" in a Limited Company, Chennai - 600 020.

Developed Neem based Eco-friendly botanical **BIO-PESTICIDES** to Control wide range of Insects and pests. Isolated, Technical grade AZADIRACHTIN from Neem kernels up to 25% purity.

Developed the Isolation Technology of n-**TRIACONTANOL** from Natural vegetable oil source and the formulation used as a Plant Growth Promoter (PGP) for all Agricultural, Horticultural Crops and Plants.

Developed urea coating agent contains Neem TRITERPENES from natural source for the sustained release of nitrogen without any loss and to uptake maximum nutrients from the soil.

Developed Eco-friendly Bio-pesticide, plant growth promoter, micronutrients, Nematicide and fungicide from natural source.

Experience Details

Experience in carrying out and providing scientific risk assessment and advice.

First Time in **INDIA**
Introduced the
COLD PROCESS TECHNOLOGY
used for **ALOE VERA GEL /**
JUICE MANUFACTURING

Implemented
Organic Certification,
GMP, ISO22000, HACCP,
Bio-Inspecta, PFA,
FPO etc

Provided
Rural Employment
Generation.

Successfully **COMMERCIALIZED**
FOURTEEN INDUSTRIES end
product matching with the
international standard.

Analytical skills to deal with complex information



Developed testing protocols / Methods / Standards of Natural herbal products like Dietary supplement, Extracts, Spices, Oleoresins and Nutraceuticals.

Instruments Handled

- ▶ IR ▶ UV ▶ Spectrophotometer ▶ Polarography
- ▶ Flame photometer ▶ Steady state Photolysis Techniques
- ▶ Gouy balance ▶ Chromatographic Techniques of TLC
- ▶ Preparative TLC ▶ High Performance liquid Chromatography (HPLC)

International experience

Participated
**9th RWANDA
International Trade
Fair 2006**, 24th
September to 5th
August 2006 at
Kigali Through NRDC,
Govt of India,
NEW DELHI

Participated
**SME & Technology
fair 2007**, May 30th
to June 3rd, Port Luis,
MAURITIUS
Through NSIC, Govt
of India, New Delhi

Participated
Arab Health Natural,
DUBAI Jan 2008

Participated
**Food Ingredients
Fi EUROPE & Ni**
2011 Paris, **FRANCE**,
Nov 29-Dec 1, 2011

International experience

PHYTO RESEARCH
COLLABORATION
WITH IRST,
BUTERI, **RWANDA**.

INTERNATIONAL
PHYTO PROJECT EXECUTION WITH
KASYAP TECHNOLOGY PVT LTD,
A.P, INDIA.

ALOE VERA
PHYTO PROJECT
TO **MALAYSIA**.

PROJECT PROMOTION
WITH AREU, MINISTRY OF
AGRICULTURE, **MAURITIUS**.

PHYTO PROJECT WITH
INTERFACE GROUP,
SENEGAL

PHYTO PROJECT
WITH **AMEKI GROUPS,**
RWANDA

NATURAL & ORGANIC
PRODUCTS EUROPE,
APRIL 2012, **UK, LONDON**

PROJECT SUBMITTED
TO **LESOTHO**
GOVERNMENT

PHYTO PROJECTS
IN **BALI,**
INDONESIA

PHYTO PROJECTS
IN **AUSTRALIA,**
NEWZELAND

Expertise Domain Functions

Technical consultancy for raising herbal nursery plantation.

Technical advice Cultivation practices

Crop protection and bio control management

Organic certification process

Cold Process Aloe vera gel manufacturing technology

Multiple herbal extraction technology

Raw material screening and end product analysis

Good manufacturing practice standard and documentation

More than 275 phyto Formulation technology

Complete Engineering and Operational Guidelines

Technical training for quality management and process

Documentation guidance for phyto medicine, Cosmetic and Nutraceutical licenses

Product registration/documentation for overseas market

Sales promotional technical inputs and authoritative information

Marketing assistance related to technical concept and global placement

Technical literature of phyto pharmacological studies

Herbal therapeutics pharmacokinetics and utilization of herbal drugs

Safety evaluation of herbal natural products

Will Provide Authoritative promotional materials to market the Products

Detailed product technical specification market the product

Make necessary co-ordination in time throughout the Project implementation

Sufficient training will be given for manufacturing, quality control and further research

Commercial Brands Invention Details

Invented More Than **500 FORMULATIONS OF HERBAL MEDICINES**,
Cosmetic and Health Care Nutraceutical Products.

Countries Visited



GUINEA:
Meeting with Honorary Consulate In Guinea,
Republic of Guinea, Honorary Consular –
Shri Ashok Vaswani



MAURITIUS:
Phyto technology innovation partnership
meeting in Mauritius, Met Her Excellency Mrs
Ameenah Gurib Fakim , **President Republic of
Mauritius** on 9th October 2015 , at the State
House ,Reduit Mauritius



GHANA:
Technology Incubation project Meeting with
the Vice Chancellor **Prof .Daniel Bediako, PhD**
,and his colleagues at ValleyView University,
Accra, Ghana on 23rd June 2017



NIGERIA:
Meeting with Nigerian medicinal plant
company (**NMPDC**) groups @ Nigeria



SRILANKA:
Presentation “An Integrated **ENTREPRENER**
program of Agroherbs farming and their value
added products for Economic development in
Yalpanam”, Srilanka -during Saturday 19th
August 2017 in presence of Indian consular
,Srilanka officials Researchers and Academicians



GREECE:
Signed an MOU with Greece GR company
today 5th October 2017 at our chennai office
for Phyto Technology promotion in Athens

Countries Visited



ATHENS:

Lecture by Prof. A. Rajendran at the **Agricultural University of Athens.**

<http://elinepa.org/2017/12/12/lecture-by-prof-a-raiendran-at-the-agricultural-university-of-athens/?lang=en>



RWANDA:

Phyto technology innovation Meeting with **Rwandan President Paul Kagame** in Kigali in the year 2006 & 2017,



RWANDA-KIGALI:

Senior Advisor-Phyto medicine Value chain "for the **UNIDO** (United Nations Industrial Development Organisation) Technology projects to "National Industrial Research and Development Agency (**NIRDA**) " in Kigali - Govt of Rwanda, Central Africa for their assignment. UNIDO group meet in the year 2017.)

RWANDA:

Meeting with **Dr Edwin Vice Chancellor Mount Kenya University.**



GUINEA:

Business meetings at our chennai office with **Mrs Mariam Bangoura Souare, W/o Prime Minister of Republic of Guinea** ,west Africa

GUINEA:

West African ambassadors meeting, Guinea – 2017



SENEGAL:

Phyto technology innovation partnership meeting with **D'Almeida-Women Entrepreneur-Dhaka, Senegal**

MALAYSIA:

Phyto technology innovation, Malaysian Entrepreneur meeting.



Countries Visited



INDONESIA:

Phytotechnology innovation meeting held at Indonesia- Aloe Bali



NEW ZEALAND:

Phyto tech project meeting held at New Zealand



AUSTRALIA:

Phyto tech project meeting at Brisbane, Australia



MALI:

Meeting with Dr Dofinita T Tiaho, Mali.



SPAIN:

Phyto tech project meeting held at Spain.



SWITZERLAND:

Phyto tech project meeting Dr. Boopathy Dhanapal, held at Switzerland



ISRAEL:

Signed an MOU with Mr Ran Dvir Isrel on 7th October 2017 at our chennai office for the **BioAgro Technology promotion** in Israel meeting with D'Almeida-Women Entrepreneur- Dhaka, Senegal

The following countries are also visited for various purpose such as to present Research papers, phytotech project innovation meeting etc.,
DUBAI, ABUDABI, UK- ENGLAND, FRANCE, HONG KONG, SPAIN, PHILLIPINES, ITALY, TURKEY, GERMANY, CHINA, UNITED STATES, BURKINA FASO, D'IVORY COAST, SINGAPORE, THAILAND..

List Of Publications In Scientific Journals: Total-20

- ▶ Rajendran, A, V. Narayanan and I.Gnanavel. 2007. Evaluation of Therapeutic Efficacy of Aloe vera Sap in Diabetes and Treating Wounds and Inflammation in Animals. Published in Journal of applied Sciences Research, 3(11): 1434-1436, 2007 © 2007 Insinet Publication.
- ▶ Rajendran, A, V. Narayanan and I.Gnanavel. 2007. Separation and Characterization of the Phenolic Anthraquinones from Aloe Vera . Published in Journal of applied Sciences Research, 3(11): 1407-1415, 2007 © 2007 Insinet Publication.
- ▶ Rajendran, A, V. Narayanan and I.Gnanavel. 2007. Photochemical and Electrochemical Stabilities of Aloe Vera Sap. Published in Journal of applied Sciences Research, 3(12): 1871-1878, 2007 © 2007 Insinet Publication.
- ▶ Rajendran, A, V. Narayanan and I.Gnanavel. 2007. Study on the Analysis of Trace Elements in Aloe vera and Its Biological Importance. Published in Journal of applied Sciences Research, 3(11): 1476-1478, 2007 © 2007 Insinet Publication.
- ▶ Rajendran, A and I.Gnanavel. 2007. Agro- Techniques for Production of Medicinal Plant Aloe vera L. Published in Green farming, 1(2): 52-53 (2007) Jodhpur, Rajasthan.
- ▶ Rajendran,A., I.Gnanavel and R.Renalto. 2007. Aloe vera: A new host for Erwinia chrysanthemi in Tamil Nadu. Published in Green farming, 1(3) : 40-41 (2007) Jodhpur, Rajasthan.
- ▶ Rajendran,A., G. Sobiya and I.Gnanavel.2007. Study on the Effective Supplementation of Aloe vera gel antacid to Peptic Ulcer Patients. Accepted for publication in Research Journal Medical and Medicinal Sciences, INSinet publication.
- ▶ Rajendran, A and I.Gnanavel. Effect of Organic Manures and Spacing on Aloe vera L. published in Journal of Medicinal and Aromatic Plant Sciences, (JMAPS) NO: 1 volume 30 March (2008) 40-42 CIMAP (CSIR), Lucknow, India
- ▶ Rajendran, A study on different aloe vera gel process technologies article sent for publication Journal of applied Sciences Research, Insinet publication
- ▶ Rajendran, A and I.Gnanavel. 2008. Commercial Production of Medicinal Plant Aloe vera L. Published in Herbal Tech Industry 4(9): 15-16 (2008) Chennai, India.
- ▶ Rajendran, A and I.Gnanavel. 2008. Erwinia chrysanthemi: A plant pathogenic bacteria in Aloe vera L. Published in Herbal Tech Industry 4(10): 20-21 (2008) Chennai, India.
- ▶ Rajendran, A and I.Gnanavel. 2008. Commercial production of Medicinal Herb Coleus aromaticus (Benth) Published in Herbal Tech Industry 4(112): 12-13 (2008) Chennai, India.
- ▶ Rajendran, A Nasreen S,R.Radha ,N.Jayashree,and B.Selvaraj 2010 Pharmacie globale International Journal of Comprehensive Pharmacy(IJCP) ' Assessment of quality of Tinospora Cordifolia(WILLD.)MIERS.(MENISPERMACEAE):PHARMACOGNOSTICAL AND PHYTO-PHYSCICOCHEMICAL PROFILE",Vol.01.Issue 05.
- ▶ Rajendran, A and I.Gnanavel. 2011 Commercial uses of Natural Color and Production of Annatto (Bixa Orellana L.) Published in Herbal Tech Industry Vol 8, Issue 01, 9-11(2011) Chennai, India.
- ▶ A.Rajendran, K.Shanmuga Bharathi, S.Subramanian and V.Narayanan "Isolation and Electrochemistry of Phenolic anthraquinone derivatives of Aloe vera" JOURNAL OF CHEMISTRY Accepted July 2012
- ▶ A.Rajendran, R.SudeshRaj, Sureshkumar, "Potential antidiabetic activity of medicinal plants –A short "The JOURNAL OF Phytopharmacology and (Pharmacognocny and Phytomedicine research 2018:7(5):456-459
- ▶ A.Rajendran, R.SudeshRaj, Sureshkumar, "Phytonutrition:Moringa Oleifera leaf extracts as incredible health super food supplement "The Pharma Innovation Journal 2019:8(2):29-33
- ▶ A.Rajendran, R.SudeshRaj, Sureshkumar, "Phytonutrition:Flax seeds a vegetarian source of nutraceutical supplement for complete health and wellness "Indo American Journal of Pharmaceutical Sciences" IAJPS 2018,05(11),1-4
- ▶ A.Rajendran, R.SudeshRaj, Sureshkumar, "Phytonutrition:Stress and Relaxation dietary health food supplements" The Pharma Innovation Journal 2019:8(5):799-802
- ▶ A.Rajendran, M.Helan Soundarya Rani, A.Murugan "Seaweed nutraceutical as natural supplement for iodine and other mineral deficiency disorders" Seaweed Research and Utilisation-Vol.40(2),July-December 2018,pp 43-48-ISSN:0971-7560

References

1

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2

Prof. Dr. M.ALAGAR (Rtd)
DIRECTOR-AFFILIATION & RESEARCH

1.Anna University of Technology Chennai,
CPT Campus, Tharamani, Chennai-600 113, India

Declaration:

I declare that the above statements given are true, complete and are correct to the best of my knowledge and belief.

Dr. A. RAJENDRAN