



BIODATA

Name : **B.CHRISTUDHAS WILLIAMS**
Date of Birth and Age : 26-05-1965, 51 years
Nationality : Indian
Address (Residential) : 226, Joshua Street
Nagercoil - 629001
Kanyakumari District, Tamil Nadu, South India

Academic Qualifications

Exam Passed	Board/College/University	Subject	Year of Passing	% marks
10 th	Board of Higher Secondary Education		1980	54.2
+2	Board of Higher Secondary Education		1982	54.2
B.Sc.	Scott Christian College, Nagercoil, Madurai Kamaraj University	Botany	1985	71.5
M.Sc	Scott Christian College, Nagercoil Madurai Kamaraj University	Botany	1988	63.4
M.Phil	Scott Christian College, Nagercoil Madurai Kamaraj University	Botany	1989	67.5
Ph.D	Department of Biotechnology Cochin University of Science and Technology	Botany	July, 2000	Awarded

Date of Joining:17-8-2000

Designation : Assistant Professor

Teaching Experience:

UG – 13 Years
PG – 13 Years
M.Phil – 07 Years

Research Contribution:

M.Phil Guidance

S.No	Year	University	Registered No	Awarded
1	2006-07	M.S.University	6008	1
2	2007-08	M.S.University	7007	1
3	2007-08	Alagappa University	066160347	1
4	2007-08	Annamalai University	4270600799	1
5	2010-11	M.S.University	10001	1
6	2011-12	M.S.University	110010	1
7	2012-13	M.S.University		1
8	2013-14	M.S.University	13004	1
9	2013-14	M.S.University		1
10	2014-15	M.S.University	14002	1
11	2015-16	M.S.University	15003	1
12	2016-17	M.S.University		
13	2016-17	M.S.University		

Ph.D Guidance

S No	Name of the Registered Student	Year & registration Number	Title of the Thesis	Result
1	Mrs. D. Mercy Leelavathy	3539/09	Studies on the water quality of Mukkudal reservoir of KKDt TN	Awarded 2013
2	Mrs.D.Gladin Pitty Star	3853/09	Studies on the water quality in Kavari River of Dharmapuri DtTN	Awarded 2014
3	Miss. M.Padma Priya	4271/10	Comparative Genomics and Proteomics analysis of <i>Bacillus cereus</i> group genomes with <i>B.subtillis</i>	Awarded 2014

4	Mrs.K. Christal Thanga Padmini	4353/10	Studies on the micro organism in Thambraparani River of KKDt TN	Awarded 2015
5	Ms.S. Alci Rani	4354/10	Studies on water Quality in Pazhayar River of KK.Dt. TN	Awarded 2015
6	Mr.N.R. Chrips	7892/11	Carbon Sequestration of Agasthyamalai Biosphere Reserve (ABR), Western Ghats, India.	Awarded 2015
7	Mr. Gegi G.V	9698/12	Exploration and Reintroduction of Endangered Orchids of Kanyakumari Wildlife Sanctuary Tamil Nadu	Submitted
8	Miss. Soumiya	10322/13	Studies on the mycorrhizal association in orchids of Kanyakumari District, South India	Submitted
9	Ms. R. Mary Suja	11096/2014	“Evaluation of Phytochemical Screening, Antioxidant Potential and Antiproliferative Activity of Cheruthikonam Traditional Siddha Cancer Medicines of Kanyakumari District, India”.	Awarded 2016
10	Ms. R. Mary Subin	12068/2015	Study of Antimicrobial, Antiproliferation and Molecular Variation in <i>Vanda roxburghii</i> R.Br. of Kanyakumari District.	Submitted
11	Mrs. D.M. Merlin Sujatha	12064/16	“Evaluation of Phytochemicals and Antiproliferative effect of Traditional Siddha Drugs Prescribed by the Practitioner of Kanyakumari District, India”	
	S. Ezhil	191230820220 03/19 (Part time)	“Studies on Structural Elucidation, Antioxidant Potential and Antiproliferative Activity of Siddha Cancer Medicines”	

Professional Experience:

1. Farm Manager at the Kairali Orchids(P) Ltd, Thrikkakara, Ernakulam from August 1999 –July 2001.
2. Scientific Assistant at the Kairali Orchids (P) Ltd, Thrikkakara, Ernakulam during May 1992-July 1995.
3. Worked as a Technical manager in a **DST sponsored project on Palmyra Project** assistant at the Haldane research Center, Nagercoil, during October, 1989- March, 1992.

Paper Publications:

1. **R. Mary Suja** and **B. Christudhas Williams** (2016). **Micropropagation, Phytochemical Screening and Antioxidant Potential of a Wild Epiphytic Orchid *Acampe praemorsa* (Roxb) of Kanyakumari District, India.** *European Journal of Pharmaceutical and Medical Research* 3(5), 572-576.
2. **Anju V. Jalaj, B. Christudhas Williams and R. Mary Suja** (2016). **Studies on the Antibacterial Activity of Selected Medicinal Plants against Human Skin Pathogens.** *European Journal of Pharmaceutical and Medical Research* 3(4), 168-171.
3. **Anju V. Jalaj, B. Christudhas Williams and R. Mary Suja** (2016). **Pharmacological Analysis of the Polyherbal Formulation “Kushtakhnani Kwatham.** *World Journal of Pharmacy and Pharmaceutical Sciences* 5 (4), 1016-1021.
4. **B. Christudhas Williams** and **R. Mary Suja** (2015). **Terrestrial Orchid *Habenaria plantaginea* (Wight) of Peninsular India, Kanyakumari District.** *Asian Journal of Science and Technology* 6(8), 1684-1685.
5. **B. Christudhas Williams** and **R. Mary Suja** (2015). **Orchids in Teak (*Tectona grandis*) Plantation of Kanyakumari District, Tamil Nadu – India.** *International Journal of Multidisciplinary Research and Modern Education* 1(1).
6. **R. Mary Suja** and **B. Christudhas Williams** (2015). **Phytochemical Screening and Antioxidant Potential of Paavu Decoction of Kanyakumari District, India.** *European Journal of Pharmaceutical and Medical Research* 2[5], 723-731.
7. **R. Mary Suja** and **B. Christudhas Williams** (2015). **Antibacterial and Antioxidation Assay of Thalipathiri Chooranam Prescribed to Cure Cough by the Cheruthikonam Traditional Siddha Medicinal Practitioner of Kanyakumari District, India.** *Asian Journal of Pharmaceutical and Clinical Research* 8(4), 274-277.
8. **C. Jemila Roshini, B. Christudhas Williams** and **R. Mary Suja** (2015). **Environmental and Morphological analysis of the cultivated rice variety – Kannagi around Thalaiyuth Sankar cement factory of Tirunelveli District – India.** *International Journal of Research in Engineering and Bioscience* 3 (2), 14-18.
9. **B. Christudhas Williams. B** and **R. Mary Suja** (2013) **“Studies on the Medicinal Plants Commonly used in Manjalumoodu of Kanyakumari District, Tamil Nadu”** *International Journal of Functional Management* ISSN.NO. 2319-1406: 118-123.
10. **Chrips N.R and Christudhas Williams.B, 2013** ‘Appraisal of fixed CO₂ in varying tree formations of tropical forest’ *Asian Journal of Plant Science and Research*, 2013, 3(4):123-129.

11. Alci Rani. S and **Christudhas Williams.B**, M., **2013** Microbial Population in Pazhayar River of Kanyakumari District, Tamil Nadu, India. *Journal of Theoretical and Experimental Biology*, Vol. 9 (3 and 4):73-82.
12. Christal Thanga Padmini.K, **Christudhas Williams.B**, Murugan, **2013** Inventory and Population study of fungi from the riverine drinking water. *International Journal of Pharma and Bio Sciences* 4(3): (B) 1119 -1124.
13. Gladin Pitty Star. D, **Christudhas Williams. B** and Mary Sujin. R., **2012** Analysis of physico-chemical parameters and bacterial population in Kaveri river of Tamil Nadu. *Journal of Research in Ecology*, Vol- 1(2): 44-51
14. Muthu Padmapriya and **Christudhas Williams. B.**, **2012**. "Purification and Characterization of neutral protease Enzyme from *Bacillus subtilis*", *J. Microbiol & Biotech. Res.*, 2(4):612-618.
15. Mercy Leelavathy. D and **Christudhas Williams. B.**, **2011**. "Hydrochemical investigation of Mukkadai Reservoir in Kanyakumari District, Tamil Nadu. *J. of Basic and Applied Biology*, Vol. 5 (1&2):89-93.
16. Mercy Leelavathy. D and **Christudhas Williams. B.**, **2011**. "Limnological study of Mukkadai Reservoir in Kanyakumari District, Tamil Nadu, India. *J. Theoretical and Experimental Biology*, Vol. 7 (3):71-75.
17. **Christudhas Williams.B.**, **2009** "Statistical Prediction of Fungal Population associated with Yellow leaves in Orchid farms of South India. *J. Ecobiol.* 24 (2):139-146.
18. **Christudhas Williams.B.**, **2007** 'Primary organization of shoot tip in *Vanda roxburghii*, R.Br. of Peninsular India. *J. Nat. Con. India.* Vol. 19 (1) : 15-20
19. **Christudhas Williams. B.**, **2007** "Prediction of Yellowing leaves by statistical model in Orchid (*Dendrobium* Hybrid) form of Peninsular India. *J. Nat con. India*, Vol 19 (1) : 41-50.
20. Prakash J.W., **Christudhas Williams. B.**, (*et al*) **2006**. "The medicinal plant Diversity of Scott Christian College (Autonomous) Campus Nagercoil, South Tamil Nadu, India. *J. Nat.con. India*, Vol 18 (1) : 81-89.

Details of paper presented in Conferences and Seminars (International, National, Regional)

1. R. Mary Suja and **B. Christudhas Williams** Presented a paper on DBT and ICMR sponsored National Conference regarding "Evaluation of Traditional Siddha Breast Cancer Medicines" and honor **Paper Presentation Award at Dr. N.G.P Arts and**

Science College, Coimbatore, in association with **Indian Association of Applied Microbiologist (IAAM) on 9th and 10th September, 2016.**

2. **B. Christudhas Williams & R. Mary Suja.** Presented a **Paper** “**Evaluation of phytochemicals and antioxidant potential of a wild epiphytic orchid *Aerides ringens* of Kanyakumari District India.** Innovation, Entrepreneurship & Sustainable Value Chain in a Challenging Environment” – 2016 at Primax Foundation, Bengaluru held on 29.08.2016 and 30.08.2016.
3. **B. Christudhas Williams and R. Mary Suja.** Presented a Paper on “**Exploration and Reintroduction of Endangered Orchids of Kanyakumari Wildlife Sanctuary Tamil Nadu, India**” at **Madurai Kamaraj University National Conference on Recent Trends in Modern Biology & 47th Aqua-Terr Annual Conference** during 27-28 February 2016.
4. **R. Mary Suja and B. Christudhas Williams** Presented a paper on “**Evaluation of Antioxidant Potential, Cytotoxic and Apoptotic Activity of Traditional Siddha Breast Cancer Medicine Paavu Chooranam Prescribed by the Practitioner of Kanyakumari District India**” **National Conference** on “Recent Trends in Modern Biology & Aqua-Terr Annual Conference” held on February 27-28, 2016 in **School of Biological Sciences, Madurai Kamaraj University, Madurai.**
5. **R. Mary Suja and B. Christudhas Williams.** Presented a **Paper**” Micropropagation, Phytochemical Screening and Antioxidant Potential of a Wild Epiphytic Orchid *Acampe praemorsa (Roxb)* of Kanyakumari District, India. UGC Sponsored **National Seminar** on “Advancement of Biosystematics on Biodiversity Conservation” held on 8th and 9th October, 2015 organized by Department of Botany, **SREE NARAYANA COLLEGE, Sivagiri, Varkala, Kerala.**
6. **R. Mary Suja and B. Christudhas Williams.** Presented a **Poster** on “Antioxidant Potential, Cytotoxic and Apoptotic Effect of Adaikamani Thailam” at the Fifth **Euro-India International Conference** on “Holistic Medicine” held at Kottayam, Kerala, India during 11-13 September, 2015.
7. **R. Mary Suja and B. Christudhas Williams.** Presented an **Invited Talk** on “Evaluation of Antioxidant Potential, Cytotoxic and Antiproliferative Activity of Traditional Siddha Cancer Medicine Adaikamani Thailam Prescribed by the Practitioner of Kanyakumari District, India” at the Fifth **Euro-India INTERNATIONAL CONFERENCE** on “HOLISTIC MEDICINE” held at Kottayam, Kerala, India during 11-13 September, 2015.
8. **R. Mary Suja and B. Christudhas Williams.** Presented a Paper on “ Positive and Negative Impacts of Joint Family Systems Related with Age Population of India” UGC Sponsored National Seminar on 9th and 10th January, 2015 “Situational Analysis, Rescue,

Issues and Status of Aged Population” – An Interdisciplinary Analysis organized by PG & Research Centre, Department of **Economics**, Scott Christian College (Autonomous), Nagercoil -3.

9. R. Mary Suja and **B. Christudhas Williams**. Presented a Paper “Studies on the Medicinal Plants commonly used in Manjalumoodu of Kanyakumari District”. International Conference held on 22.02.2013 in **Sri Ganesh Engineering** College in the Department of School of Management, **Salem**.
10. R. Mary Suja, **Christudhas Williams. B** and Asha Prayline, E, **2013**. Studies on the Antimicrobial Activity of some Decoctions used in Siddha Medicines of Kanyakumari District. Paper presented in UGC Sponsored National Seminar on Recent Trends in Bioactive Substances-2013 (RTBASS-2013) at Government Arts College, **Karur**. 5 – 6 March 2013.
11. **Williams B.C.**, Suresh, P.V. and M. Chandrasekaran **1995**. Incidence of *Aeromonas* and *Geotrichum sp* as probable pathogens of yellowing of leaves in commercially important hybrid orchid. Paper presented in Louis Pasteur’s Centenary Memorial Symposium. Regional Research Laboratory, Trivandrum, November 20, 1995.
12. A.D.S. Raj and **B.C. Williams, 1991**, “A New Method to prepare super Palm Honey from *Borassus flabellifer* Lin” 101 — 102. Paper presented in J.B.S Haldane Research Centre Nagercoil, **Sponsored by DBT**.
13. Henry Louis. I, **B.C. Williams** and A.M. Mathai, **1991**, “*Palmyra Palm — The State Tree of Tamil Nadu*” 1- 6. Paper presented in J.B.S Haldane Research Centre Nagercoil, **Sponsored by DBT**.
14. Henry Louis. I, A.M. Mathai and **B.C Williams, 1991**, “*An Innovation for Collecting Neera from Palmyra Palm*” 47 — 51. Paper presented in J.B.S Haldane Research Centre Nagercoil, **Sponsored by DBT**

Details of Conferences (International, National, Regional and Seminars) attended

1. One day workshop on **Scientific Writing** on March 22nd 2013 at Krishna Kumar Orthopedic Hospital & Institute of Orthopedic Pvt. Ltd., Nagercoil.
2. **Endowment Lecture on Medicinal Plants** Organized by the Department of Botany & Research Centre on 14th February **2012**
3. **International Conference on Forest: Our Good Neighbor** from 25th to 27th October 2011 at the CSI Centre, Royapettah, Chennai.
4. UGC Sponsored National Seminar on Globalization and Agricultural Labour Market organized by PG & Research Centre of Economics, Scott Christian College (Autonomous) Nagercoil, on 17th & 18th June **2011**.
5. **One day Seminar on Examination Reforms** Organized by Scott Christian College (Autonomous) Nagercoil, on 19th March **2011 Sponsored by UGC**.

6. **National Seminar on Renewable Energy** Organized by the Department of Botany & Research Centre on 15th March **2010**.
7. **State level Seminar on Role of Plant Tissue Culture in Conservation** Organized by the Department of Botany & Research Centre on 27th February **2009**.
8. **National Seminar on Conflict Resolution and Social Harmony** held at Hotel Sea View, Kanyakumari from 9 - 11th March **2007** Conducted and Sponsored by M S University & Indian Red Cross Society, T.N Branch (Youth Red Cross).
9. **State level workshop of District Coordinators / Resource Persons of 14thNationalChildren's Science Congress** held at Yercaud Salem on 26th -28th May **2006**.
10. One Day Seminar on **Role of Biotechnology in Conservation** held at Scott Christian College (Autonomous) Nagercoil, on 07.03.**2006**.
11. **National level workshop on Transforming Congregations**, Organized by **Christian Medical Association of India**, New Delhi from August 22 - 24, **2002**.
12. Represented in the workshop on **Field work of local Relevance/project** conducted by the **Manonmaniam Sundaranar University** on 30.07.**2001** at Holy Cross College for Women, Nagercoil.
13. **Louis Pasteur's Centenary Memorial symposium**, 20 November **1995** - Regional Research Laboratory, Trivandrum.
14. Seminar on Modernising the Palmyra Industry. 18-19, February **1991**. JBS. Halda' Research Centre, Nagercoil.

Guest

1. 29th May 2013 Delivered a Guest Lecture on Cancer Awareness in Cancer Awareness Programme at Neyoor Cancer Centre.
2. 08th October 2011 delivered a Chief Guest Address to the YRC Volunteers
3. 08th September 2011 delivered a Chief Guest Address to the YRC Volunteers
4. 15th July 2011 delivered a Inaugural Address to the YRC Volunteers
5. 30th November 2015 Special Guest **EVANS SCIENCE EXPO – 15** on an innovation of young minds Organized by Evans Matric Higher Secondary School NGO Colony, Kottar (P.O), Nagercoil – 2. Judgment and distributed prizes to the winners.

Meetings Organized

1. Parthenium Eradication Programme in Kanyakumari District on 10-12-2013 at Therikalputhooor.

Orientations Attended

1. **Attended the Orientation training Programme for NSS Programme Officers** held on 18th to 24th July 2012 at Avinasilingam University, Coimbatore.

Distinctions earned

1. Third place in the Veterans Singles Republic day Table Tennis Tournament 2010

2. Represented the Madurai-Kamaraj University Inter University South Zone Chess tournament held at Ernakulam in the year **1986-87**
3. Runners in the intercollegiate Zonal in the year **1984-85**.

Co-curricular Activity

1. **Completed Three days Training Programme on HI-TECH Agriculture concepts & Practices at Jain Hi-Tech Agri Institute, Jalgaon, Maharastra, during 27-29th of June 2010.**
2. **Served as a Resource person in the Tamil Nadu, Science Forum 5 - 7/07/2006 at Kuzhithurai, Thuckaly, Nagercoil.**
3. **Prepared & Submitted an application for Introduction of Vocational Subject At 1st Degree Level to the University Grants Commission from Scott Christian College during April 2001.**
4. **Organized and Conducted a two day UGC Sponsored Extension Education Programme for un employed women, physically handicapped and widows, in the Department of Botany & Research Centre, Scott Christian College, Nagercoil on 26 & 27 November 2001.**

Positions Held

1. **Working as Programme officer, in NSS Unit-93 of S.C. College from August 2011.**
2. **Working as Kanyakumari District YRC Joint District Organizer, from 01-03-2010.**
3. **Organized and Participated in the Basic First Aid Training held during 2008-2009 under the integrated Recovery Programme of the Indian Red Cross Society, Kanyakumari District Branch**
4. **Member of Organizing & Editorial Committee of The First International Conference of Scott Research Forum April – 2008.**
5. **Working as Programme officer, Youth Red Cross S.C. College from 2006 July to till date.**
6. **Treasure of Indian Red Cross Nagercoil from 2015 to 2016 October.**

Extra -curricular Activity

1. **One day District Level Study Camp for YRC Volunteers and Programme Officers at Women's Christian College on 12-01-2013.**
2. **One day workshop for the YRC programme officers of the affiliated colleges held at Manonmaniam Sundaranar University on 27th March 2012.**
3. **One day District Level Study Camp for YRC Volunteers and Programme Officers at S.T. College on 10-01-2012.**
4. **One day workshop for the YRC programme officers held at Manonmaniam Sundaranar University on 28th July 2011.**
5. **One day District Level Orientation Camp for YRC Volunteers and Programme Officers at Women's Christian College on 11-03-2011.**
6. **Attended State level Conference for YRC Zonal coordinators/ Dist Organizers /Joint District Organizers held at Thanjavur IRC District Branch Thanjavur on 2nd of July 2011.**

7. Attended **State level Conference for YRC Joint District Organizers** held at IRCS Tamil Nadu Branch, Chennai on 16th July 2010.
8. Attended **Three day Zonal level Orientation Training Programme** for YRC programme officers of college held at Gramodhaya Social Service Centre, –Tirunelveli from 12th to 14th March 2010.
9. One day zonal level **Orientation Programme for YRC Programme Officers** of Colleges held at MS University, Tirunelveli on 26th February, 2010.
10. Attended **Three day Zonal level Orientation Training Programme** for YRC programme officers of college held at M.S University campus –Tirunelveli from 30th January to 1st February 2008
11. One day zonal level **Orientation Programme for YRC Programme Officers** of Colleges held on 6th March, 2007 at MS University, Tirunelveli.
12. One Day Seminar on **Road Safety Measures** Organized & Conducted by YRC SCC - 2006.
13. Two Wheeler rally Organized & Conducted by YRC to high light the Human Value from SCC to Kanyakumari
14. Passed the certificate for part II Examination **National Cadet Corps Junior Division (Army wing)**

Examiner:

1. **External Examiner** to conduct B.Sc., Botany (Allied) practical examination at Muslim arts College, Kanyakumari District.
2. **Additional Examiner** for B.Sc., Botany allied board from 2006.
3. **External examiner** to conduct B.Sc., Botany (Allied) practical examination at Arignar Anna College April — 2005.
4. **Additional Examiner** for UG Social Value Education November 2004 — at M.D.T Hindu College, Tirunelveli.

Other Information:

1. **Life Member of Indian Red Cross Society through Tamil Nadu Branch No: 4826 of 2011-12**
2. **Hon. President** — William Research centre, Nagercoil -1.
3. **Hon. Managing Trustee** — Environment and Civil Right Protection Trust.
4. **Executive Member of the Kanyakumari District Horticultural Society** during the year 1987 — 1988.
5. **President in (UNI — Y) University YMCA** during the year 1984 — 86.

Appreciation/ Awards

1. **State Award** for the **Best Youth Red Cross Joint District Organizers** for the year **2010-2011** in the world Red Cross Day on Tuesday the 8th May 2012 at the premises of Indian Red Cross Society, Chennai.

2. **District Award for Served in flood Rescue & Relief during 2010** issued by Indian Red Cross Society Kanyakumari District Branch

INVITED PLENARY SPEAKER ABROAD

Drug Formulation & Bioavailability Congress September 05-07, 2016 Beijing, China

The logo for SciTechnol, featuring the word "SciTechnol" in a stylized font with a yellow triangle above the 'i' in "Technol".

International Publisher of Science, Technology and Medicine

Evaluation of paavu chooranam prescribed to cure breast cancer by the cheruthikonam traditional siddha medicinal practitioner of Kanyakumari district, India

Drug Formulation & Bioavailability Congress

September 05-07, 2016 Beijing, China

Mary Suja R and Christudhas Williams B

Scott Christian College, India

Posters & Accepted Abstracts: J Pharm Drug Deliv Res

DOI: 10.4172/2325-9604.C1.015

Abstract

Breast cancer is the leading cause of death in women worldwide among other types of cancers. Paavu chooranam is a siddha polyherbal formulation prescribed to cure breast cancer patients was prepared by using the ingredients kottam and venthayam (1 Kalanchi), illavangam, venkadugu, vasambu and amukkara (2 kalanchi), chukku, milagu, thippili, athimathuram, omam, kadugu rohini and kandankathiri (3 kalanchi), nellikai, kadukkai, thandrikkai, jathikai, jathipathiri, vaalmilagu and indhuppu (4 kalanchi), seeragam, karamjiragam, seenthil, adathodaiver and thoothuvalai (5 kalanchi). The present investigation was mainly focused on the scientific analysis of qualitative, quantitative, antioxidant, cytotoxic and apoptotic activities of paavu chooranam. The phytochemical constituents in the herbal formulation revealed positive response of significant secondary metabolites. The unexplored area of paavu chooranam towards their antioxidation effect of hydroxyl radical scavenging, DPPH, nitric oxide radical scavenging, hydrogen peroxide radical scavenging and reducing power activity in aqueous, silver nitrate and ethanol extracts indicated promising antioxidant activities in a dose dependent manner. The cytotoxic effect of control L929 fibroblast cell line exhibited 100% inhibition. The LC50 value (ED50 plus software V1.0) was obtained at 64.71 µg per mg. The morphological detection of apoptotic and necrotic cells determined by acridine orange and ethidium bromide double staining of control cells observed under fluorescent microscope showed the presence of living cells (normal green nucleus) and absence of early apoptotic, late apoptotic and necrotic cells but paavu chooranam (medicine) showed maximum detection of necrotic cells (uniformly orange stained cell nuclei), followed by early apoptotic (bright green nucleus with condensed or fragmented chromatin), late apoptotic (orange stained nuclei with chromatin condensation or fragmentation) and living cells (normal green nucleus). Determination of apoptosis by flow cytometry revealed that the concentration of control profile 1.45E+06 cells/ml gated 94.74% of live cells (LL), early apoptotic (LR) 3.99E+03 cells/ml gated 0.26%; late apoptotic/Dead (UR) 4.51E+04 cells/ml gated 2.94%; debris (UL) 3.16E+04 gated 2.06% and late apoptotic/dead, debris 4.91E+04 cells/ml gated 3.20%. On the other hand, apoptosis profile of paavu chooranam showed that the concentration of 1.13E+06 cells/ml gated 77.93% live cells (LL), early apoptotic (LR) 2.83E+05 cells/ml gated 19.54%; late apoptotic/Dead (UR) 3.65E+04 cells/ml gated 2.52%; debris (UL) 1.45E+02 and late apoptotic/dead, debris 0.01% cells/ml gated 0.01%. The scientific analysis of siddha breast cancer medicines and case reports highlight the effect of medicine to relapse from cancer. This research work makes the society to believe that treatment is also possible without any significant side effects. Apparently, the promising active principles and underlying mechanism by which this activity was exhibited need to be further investigated.

Biography

Email: rmsuja.83@gmail.com

International Conference on Precision Medicine scheduled during **December 05-07, 2016** at **San Antonio, USA**

International Conference on Precision Medicine scheduled during **December 05-07, 2016** at **San Antonio, USA**

International Conference on

Precision Medicine 2016

Precision Medicine and Personalized Medicine

December 05-06, 2016 San Antonio, USA

Abstract Acceptance Letter

Abstract Ref. No: PM-ABS-SEP-017

Date: 14 Sept, 2016

Christudhas Williams

Assistant Professor

Scott Christian College, INDIA

Dear **Dr. Christudhas Williams**,

Thank you for submitting your abstract to present at the **“International Conference on Precision Medicine and Personalized Medicine”** which will be held from **December 5-6, 2016** in **San Antonio, USA**.

The Scientific Committee of the conference is very pleased to inform you that your abstract entitled **“Evaluation Of Traditional Siddha Karumsurathi Thailam prescribed To Cure Breast Cancer”** has been accepted for **Plenary Speaker**. Abstracts of an extremely high standard were submitted for the conference, and we believe we have selected an excellent mix of abstracts to address the conference theme and objectives. We very much look forward to your presentation.

The aim of this international conference is to provide for all those closely connected with Precision Medicine a forum for sharing experience and expertise in creating innovative and successful learning, teaching, research and outreach environments fit for Precision Medicine in the 21st century.

We look forward to your participation at the conference and seeing you at San Antonio, USA

Sincerely,

Samantha Olivia

Program Manager

Forth coming Conference

Plenary Speaker “10th Asia-Pacific Pharma Congress” Australia May 2017

Projects

UGC Major Project for three years - Exploration and Reintroduction of Endangered Orchids of Kanyakumari Wildlife Sanctuary Tamil Nadu. Amount Sanctioned- Rs. 8,85,000