

## RESUME

### I General Information

Name : Dr. (Mrs) R.Murugalakshmi kumari  
Father's Name : Mr. K.Ramar  
Age : 38 yrs  
Designation : Assistant Professor  
Department : Department of Botany  
Email ID : Lakshmimahe4@gmail.com  
Service in other colleges : 2 Years 6 Months  
Date of appointment : 05.09.2013  
Date of retirement : 30.04.2033



### II Educational Qualification

Examination Passed	Board/University	Subject	Year of Passing
SSLC	Board of Secondary Education		1987 -1989
Higher Secondary	Board of Higher Secondary Education	Maths, Science	1990-1992
Bachelor's Degree	S.F.R College, Sivakasi	Botany	1992- 1995
Master's Degree	ANJA College, Sivakasi	Botany	1999-2001
M.Phil	ANJA College, Sivakasi	Botany	2001-2002
PhD	Madurai Kamaraj University, Madurai.	Botany	2007- 2012

III Teaching Experience : UG : 2 Years  
Field of Specialization : Stress Physiology, Toxicology, Pathology, Genetics, Ecology

### IV Research Experience Minor Research Project

Topic	Period	Funding Agency	Amount sanctioned in Rs.
Studies on the impact of heavy metals on the growth, biochemical and enzyme characteristics of Crop plants.	2014-2016	UGC	4,50,000/-

#### No. of articles published in Journals

International : 14  
National : 3

#### No. of papers presented in Seminars / Conferences

International : 5  
National : 57

No. of articles published in Books / Conference Proceedings : 3

**Articles published**

Title of the Article	Name of the Journal
Effect of <i>Sargassum wightii</i> on the growth and biochemical characteristics of heavy metal treated <i>Vigna radiata</i> (L.)Wilczek.	Inter. Nat. J. Res. Che. Environ., 2011. <b>1(2)</b> :70-75.
Stress ameliorating effect <i>Abutilon indicum</i> dried powdered on the growth and biochemical characteristics of metal treated <i>Vigna radiata</i> (L.)Wilczek.	Ind. J. Nat. Sci . 2011. <b>11</b> :9
Bio removal of nickel using seaweed as biosorbent.	J. Basic. Appl. Biol., 2012. <b>4(3)</b> :207-212. ISSN:0973-8207
Utilization of seaweeds as an organic fertilizer on the growth and biochemical characteristics of black gram and cumbu	Seaweed Res. Utiln. 2012., <b>24(1)</b> :125-128
Studies on the impact of lead acetate on the growth and biochemical characteristics of <i>Abelmoschus esculentus</i>	Int. J. Nat. Environ .Sci and Technology, Vol. 3, No <b>2</b> , 2014, 591 – 596
Agricultural waste for the remediation of some physic chemical characteristics of textile industry effluents	Multidisciplinary Research Journal of vvv College, 2014. 1:201-203
Evaluation of Phytochemical analysis and Antimicrobial activity of different solvent extracts of <i>Sargassum wightii</i>	Int. J. Res in Plt Sci., 2014. 4(4):96-99, ISSN:2249-9717
Nutritional states of Dalit Women in Tamil Nadu	Int. J.of Applied Management Research,2015. 7:110-113
Pains and Gains of Self Help Group	Int. J.of Applied Management Research,2015. 7 : 140-143
Ameliorating efficacy of <i>Sargassum wighith</i> on paper mill effluent and its Impact on the growth and biochemical characteristics of <i>Vigna radiate(L)</i> Wilczek	International Journal Refereed peer reviewed & Indexed Quarterly journal Vol:V (XIV),Oct 2015, ISSN 2277-7601
Agricultural Waste material as Potential adsorbent for heavy metal treated <i>Vigna radiate(L)</i> Wilczek Sequestering heavy Metal Ions from Aqueous	International Journal of Science and Research ISSN:2319-7064 Vol4,(6),2015
Analysis of Physico Chemical Characteristics of Bioadsorbent Treated Paper Mill Effluent	International Journal of Science and Research ISSN: 2319-7064Volue(2013)6.14,impact factor(2013)4.438
Fertilizer of <i>Dictyta dichotoma</i> on the growth and pigment. wntent of <i>vigna radiate (L)</i> Wilczek	V.V.V.College International Journal 2016

Evaluate of Phytochemicals and antimicrobial activity of <i>Cheilosporum spectabile</i>	V.V.V.College International Journal 2016
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### Papers presented

Date	Seminar / Conference	Title of the paper	Level	Venue
24.02.2000 - 26.02.2000	State level Workshop on Mass Cultivation of Bioferrtilizer	Mass Cultivation of Bioferrtilizer	State level Workshop	Department of Botany, A.NJA.College Sivakasi
25.03.2000 - 27.03.2000	Conference on Recent Trends in Biotechnology	Utilization of seaweeds as Fertilizer in Green gram & Cumbu	National Level	Department of Bio-technology, Sanatana Dharma College, Alappuzha
23.03.2001 - 24.03.2001	Seminar on Conservation of Biodiversity – the present and future scenario	Effect of Spermine & their role in plant growth and development	State Level	Department of Botany, ANJA College, Sivakasi
23.03.2001 - 24.03.2001	Seminar on Conservation of Biodiversity – the present and future scenario	Biochemical characteristic of 2 medicinal plants	State Level	Department of Botany, ANJA College, Sivakasi
23.03.2001 - 24.03.2001	Seminar on Conservation of Biodiversity – the present and future scenario	Relevance of biochemical characteristics and medicinal values in few common medicinal plants	State Level	Department of Botany, ANJA College, Sivakasi,
23.03.2001 - 24.03.2001	Seminar on Conservation of Biodiversity – the present and future scenario	A comparative study of some biochemical characteristics of young, mature leaves of <i>Azadirachta indica</i>	State Level	Department of Botany, ANJA College, Sivakasi,
09.01.2006	Intercollegiate seminar	Stem call Technique	State Level	Department of Microbiology,

				VPMM College, Srivilliputhur
12.08.2008 - 13.08.2008	National Seminar on Biodiversity- Status, Conservation and Management	Zinc chloride induced growth and biochemical changes in the seedlings of <i>Vigana radiata (L)</i> Wilczek	National Seminar	Department of Botany, Kong unadu Arts and Science College, Coimbatore
12.02.2008 - 13.08.2008	National Seminar on Biodiversity- Status, Conservation and Management	Studies on the analysis of physicochemical and bacteriological parameters of drinking water samples in few places of southern parts of Tamilnadu.	National Seminar	Department of Botany, Kongunadu Arts and Science College, Coimbatore
12.08.2008 - 13.08.2008	National Seminar on Biodiversity- Status, Conservation and Management	A survey on the sacred trees and sacred groves in and around Malappuram and Calicut District, Kerala	National Seminar	Department of Botany, Kongunadu Arts and Science College, Coimbatore
21.08.2008 - 22.08.2008	symposium SUACOMP-08	Ametiorating effect of polyamines on reduced growth and biochemical parametiers of by water stressed <i>Solanum surattence</i> , Burn	National Symposiu m	Department of Plant Biology & Plant Biotechnolog y, Nirmala College for women, Coimbatore
21.08.2008 - 22.08.2008	National Symposium on Sustainable Utilization and Conservation of Medicinal Plants	Conservation of Medicinal Plants	National Symposiu m	Department of Plant Biology & Plant Biotechnolog y, Nirmala College, Coimbatore

24.03.2008 - 26.03.2008	Conference on Cultivation, Processing and Bioprospecting of Ethnomedicine	Impact of polyamines on changes of growth and biochemical parameters in water stressed <i>Phyllanthus amarus</i> Schum & thonn	National level	Department of Botany, SP College, Kutralam
24.03.2008 - 26.03.2008	Conference on Cultivation, Processing and Bioprospecting of Ethnomedicine	A comparative analysis on the antibacterial activities of <i>Vitex negundo</i> (L) and <i>Pongamia glabra</i> against pathogenic microorganism	National level	Department of Botany, Kutralam
24.03.2008 - 26.03.2008	Conference on Cultivation, Processing and Bioprospecting of Ethnomedicine	A survey on the sacred grouse and sacred trees in and around two taluks of Virudhunagar District	National level	Department of Botany, SP College Kutralam
24.03.2008 - 26.03.2008	Conference on Cultivation, Processing and Bioprospecting of Ethnomedicine	Bio-fertilizing efficiency of seaweeds liquid extract of <i>Gracilaria corticata</i> on <i>Eleusine coracana</i> .	National level	Department of Botany, SP College, Kutralam
05.01.2009 - 06.01.2009	Conference on Modern Trends in Plant In vitro Biology	Effect of lead acetate on the growth and biochemical changes in the seedlings of <i>Vigan radiata</i> (L) Wilczek	National Conference	Department of Plant Science, Bharathidasan University, Tiruchirappalli
01.10.2009	Seminar on Biogmo challenges	Phytoremediation of Nickel treated green gram using Vetiver	National Seminar	Department of Biotechnology, Karpagam University, Coimbatore
01.10.2009	National Seminar on Biogmo challenges	Bioremediation of heavy metal treated <i>Pennisetum Americanum</i> (L.) Leeke using seaweeds	National Seminar	Department of Biotechnology, Karpagam University, Coimbatore

11.12.2009 - 12.12.2009	National Seminar on Marine Resource-Sustainable Utilization and Conservation	Biosorption of heavy metal by ubiquitous <i>Sargassum wightii</i>	National Seminar	Department of Plant Biology & Plant Biotechnology, Tuticorin
11.12.2009 - 12.12.2009	National Seminar on Marine Resource-Sustainable Utilization and Conservation	Phytoremediation of heavy metal treated <i>Vigna radiata (L)</i> Wilczek using seaweeds	National Seminar	Department of Plant Biology & Plant Biotechnology, Tuticorin
02.02.2010 - 03.02.2010	National Seminar on Frontiers in Biotechnology	Phyto remediating efficiency of <i>Abution</i> Sps on stressed caused reduction in growth and biochemical characteristics of <i>Pennisetum americanum (L.)</i> Leeke	National Seminar	Department of Biotechnology & Bio-informatics , ANJA College,Sivakasi
02.02.2010 - 03.02.2010	National Seminar on Frontiers in Biotechnology	Analysis of dye effluent and its impact on the growth and biochemical characteristics of <i>Cyamopsis teragonoloba (L.)</i> Leeke	National Seminar	Department of Biotechnology & Bio-informatics , ANJA College, Sivakasi
02.02.2010 - 03.02.2010	National Seminar on Frontiers in Biotechnology	Antibacterial activity of <i>Aloe vera</i> against pathogenic micro organism	National Seminar	Department of Biotechnology & Bio-informatics , ANJA College, Sivakasi
02.02.2010 - 03.02.2010	National Seminar on Frontiers in Biotechnology	Phytoremediation of cadmium treated green gram using seaweed (ulva lactuca)	National Seminar	Department of Biotechnology & Bio-informatics , ANJA College,

				Sivakasi
05.02.2010 - 06.02.2010	National Symposium on BioS 10	Bioremediation of Heavy metal treated <i>Pennisetum americanum</i>	National Symposium	Department of Biosciences SNMV College, Coimbatore
04.02.2010 - 05.02.2010	National Seminar on Emerging Trends in Plant Biotechnology	Assessment of bio adsorption efficiency of <i>Abutilon</i> Sps on lead acetate caused reduction in growth and bio chemical characteristics of <i>Vigna radiata</i> (L) Wilczek	National Seminar	Department of Plant Biology & Plant Biotechnology, Government Arts College, Coimbatore
12,13 & 14.02.2010	Conference on Indian Association	Medicinal plants and uses	Conference	King Institute of Preventive medicine and research, Chennai
17.02.2010 - 18.02.2010	Seminar on Modern trends in Microbiology and Genetics	Studies on the bioadsorption efficiency of <i>Abutilon</i> Sps. On zinc chloride caused reduction in <i>Vigna radiata</i> (L) Wilczek	National Seminar	Department of Micro Biology & Genetics, AJ College, Sivakasi
17.02.2010 - 18.02.2010	National Seminar on Modern trends in Microbiology and Genetics	Influence of Azospirillum on paper mill effluent treated <i>Lycopersicum esculentum</i> , Mill	National Seminar	Department of Micro Biology & Genetics, ANJA College, Sivakasi
01.03.2010 - 02.03.2010	National Seminar on Conservation and Management of wet lands in an area of Climate Change	Effect of <i>Sargassum wightii</i> on the growth and biochemical characteristics of heavy metal treated <i>Vigna radiata</i> (L.) Wilczek	National Seminar	Department of Botany, Nesamony Memorial college, Marthandam
01.03.2010 - 02.03.2010	National Seminar on Conservation	Impact of various agricultural wastes on asbestos effluent and		Department of Botany, Nesamony

	and Management of wet lands in an area of Climate Change	its impact on <i>Pennisetum americanum (L)</i> Leeke	National Seminar	Memorial college, Marthandam
01.03.2010 - 02.03.2010	National Seminar on Conservation and Management of wet lands in an area of Climate Change	Dye effluent caused ameliorating efficiency of seaweed on growth and biochemical characteristics of <i>Cyamopsis tetragonaloba (L)</i> Taubert	National Seminar	Department of Botany, Nesamony Memorial college, Marthandam
01.03.2010 - 02.03.2010	National Seminar on Conservation and Management of wet lands in an area of Climate Change	Bio removal of nickel using seaweed	National Seminar	Department of Botany, Nesamony Memorial college, Marthandam
04.03.2010 - 06.03.2010	International Conference on Medicinal Plants and Herbal Drugs	Impact of polyamines on water stressed medicinal plants	International Conference	Department of Botany, Pachaiyappa College, Chennai
25.07.2011 - 26.06.2011	National Conference on Role of Chemist in Advanced Chemistry	Bioremoval of lead using bagasse as biosorbent	National Conference	Department of Chemistry, ANJA College Sivakasi
09.10.2011 - 11.10.2011	International Conference on Environment Genes Health and Diseases	Effect of <i>Abutilon indicum</i> dried powder on the growth and biochemical characteristics of metal treated <i>P. americanum</i>	International Conference	Department of Zoology, Bharathiar University, Coimbatore
14.12.2011 -	National Seminar on ETBS	Utilization of sugarcane bagasse as a biosorbent to nullify the reduced growth caused by	National Seminar	Department of Biotechnology, Kunthavai Naachiyar College,



15.12.2011		metal stress		Thanjavur
19.01.2012	State level Workshop	Mushroom Cultivation	State level Workshop	Department of Botany, A.J.College Sivakasi
27.01.2012 - 28.01.2012	National seminar on Herbal Wealth	Impact of agricultural waste on lead acetate and its impact on <i>Vigna radiata (L)</i> Wilczek	National Seminar	Department of Botany, Christian college, Nagercoil
22.01.2012	National Seminar on Recent Trends Plant Science and Biodiversity in Changing Environment	Bioadsorption of Nickel chloride by seaweeds	National Seminar	Department of Plant Biology & Plant Biotechnology, Kovilpatti,
28.02.2012 - 01.03.2012	National level Workshop on Crash Course On Angiosperm Systematics	Crash Course On Angiosperm Systematics	National level Workshop	Department of Botany, A.J.College Sivakasi
09.03.2012	National Seminar on Global Warming and its Impact	Effect of <i>Gracillaria corticata</i> on the growth and biochemical characteristics of <i>P. americanum</i>	National Conference	Department of Plant biology and Plant biotechnology, ANJA College, Sivakasi
09.03.2012	National Seminar on Global Warming and its Impact	Effect of <i>Vertivera zizanioides</i> on the growth and biochemical characteristics of <i>Vigna radiata</i>	National Conference	Department of Plant biology and Plant biotechnology, ANJA College, Sivakasi
15.03.2012 - 17.03.2012	National Conference on Frontier Areas in Applied Zoology	Phytoremediation of heavy metals	National Conference	Department of Zoology, ANJA College Sivakasi

15.03.2012 - 17.03.2012	National Conference on Frontier Areas in Applied Zoology	Studies on the sacred groves of Thalavaipuram , Virudhunagar, District, Tamil nadu	National Conference	Department of Zoology, ANJA College Sivakasi
09.03.2012	National Seminar on Global Warming and its Impact	Effect of 2,4,D, on the the growth and biochemical characteristics of <i>Abelmoschus esculentus</i>	National Conference	Department of Plant biology and Plant biotechnology , ANJA College,Sivakasi
28.03.2012 - 30.03.2012	National Conference on Biodiversity & Biotechnology	Effect of <i>Ulva lactuata</i> on the growth and biochemical characterists of heavy metal treated <i>Pennisetum americanum</i>	National Conference	Department of Botany, Prist University, Thanjavur
27.01.2012 - 28.01.2012	National seminar on Herbal Wealth	Role of polyamines in the production of medicinal plant against water stresse	National Seminar	Department of Botany,Christian college,Nagercoil
22.02.2013	National Conference on Environment and Sustainable Development	Phytoremediation of metal using seaweeds	National Conference	Department of Plant Biology & Plant Biotechnology, Kovilpatti,
12.12.2013 - 13.12.2013	National conference	Role of spermine in the protection of medicinal plants	National conference	Department of Botany, V.H.N. S. College, Virudhunagar
18.02.2014	National seminar on Frontiers in Environment Research and Application	The effect of seaweed liquid fertilizer of <i>Sargassum wightii</i> on the growth and pigment content of <i>Vigna radiata</i>	National conference	Department of Environmental science, Periyar university, Salem
21.02.2014	State level seminar on Environment	Sewage pollution and its control measures	State level seminar	Department of Botany, Thiyagarajer

	Disasters			college Madurai
21.02.2014	State level seminar on Environment Disasters	Biosorption of heavy metals by seaweed in textile industry	State level seminar	Department of Botany, Thiyagarajer college Madurai
26.02.2014	Symposium on Marine Algal Research in India	Utilization of Seaweeds as a Fertilizer in black gram & Cumbu	National level	Department of Botany, Bharathidasan University, Thiruchirappalli
27.02.2014	State level Seminar on Modern Biology	Application of the agro waste product as organic biofertilizer for improving plant growth	State level seminar	Department of Biochemistry, V.V.Vanniaperumal College for Women, Virudhunagar
06.03.2014	National seminar on Growth of Education and Learning in Tamil Nadu	Education of Indian girls- Need of the hour	National seminar	Department of History, Manonmaniam Sundaranar University-Tirunelveli
03.07.2014 - 05.07.2014	National level - Workshop - Analytical tools for researchers	Workshop - Analytical tools for researchers	National level	Department of Maths, Commerce and Computer Science, V.V.Vanniaperumal College for Women, Virudhunagar
05.09.2014 - 06.09.2014	National seminar on Recent trends and Future Perspectives of Biosciences	Seaweed as a organic liquid fertilizer on the growth of <i>Abelmoschus esculentus</i> (L.) Medicus	National seminar	Department of Botany & Zoology, Arumugam pillai seethai ammal college, Thirupathur
17.09.2014	State level seminar on Environment	Phytochemical in Medicinal Plants	State level seminar	Department of Botany, Thiyagarajer

	Disasters			college Madurai
18.09.2014 - 19.09.2014	National seminar on Recent trends in Plant Sciences	Impact of heavy metal stress on <i>Pennisetum americanum</i>	National seminar	Department of Plant Biology & Plant Biotechnolog y, A.J.College, Sivakasi
18.09.2014 - 19.09.2014	National seminar on Recent trends in Plant Sciences	Ameliorating effect of <i>Sargassum wightii</i> on the growt and biochemical characteristics of textile effluent treated <i>Vigna radiata</i>	National seminar	Department of Plant Biology & Plant Biotechnolog y, A.J.College, Sivakasi
18.09.2014 - 19.09.2014	National seminar on Recent trends in Plant Sciences	Employment of tea waste as biosorbent to mitigate metal toxicity to plants	National seminar	Department of Plant Biology & Plant Biotechnolog y, A.J.College, Sivakasi
25.09.2014	State level Workshop- Mushroom Cultivation	Mushroom Cultivation	State level Workshop	Department of Botany, G.V.N.Colleg e, Kovilpatti
09.10.2014	National Symposium on Ways to Achieve Green Environment and its Impact on Indian Economy	Environmental Pollution: A Global Health Concern	National Symposiu m	Department of Economics, S.N.College Madurai
07.01.2015 08.01.2015	Conference on Frontiers in Life Science	Utilization of Coconut shell and coconut husk as adsorbents for Green Gram	Internation al Conference	
09.01.2015	International Seminar on Health Economy and Management	Nutritiona Status of Dalit Women in Tamil Nadu	Internation al Seminar	Department of Economics, Rajah Serfoji College,

				Thanjavur
22.01.2015	State level Workshop-Beeking	BeeKeeping	State level Workshop	Department of Zoology, V.V. Vanniaperumal College for Women, Virudhunagar
25.02.2015	State level seminar on Biodiversity Conservation of Medicinal Plants	Medicinal and Traditional use of <i>Aloe vera</i>	State level seminar	Department of Botany, Sourastra college Madurai
10.02.2015 - 11.02.2015	State level Workshop on Modern Approaches in Plant Biotechnology	Modern Approaches in Plant Biotechnology	State level Workshop	Department of Botany, A.J.College Sivakasi
03.02.2015	National Seminar on Biodiversity – Sustainable Management and Development	Biodiversity Conservation	National seminar	Department of Botany & Zoology, Sadakathullah Appa College, Tirunelveli
05.03.2015	National Seminar on Discourses on Past Present and Future Scenario on Medicinal Plant Conservation in India	Bioadsorption of Heavy metal by <i>Vertivera zizanioides</i>	National seminar	Department of Botany, S.N.College Madurai
16.03.2015 - 17.03.2015	National Seminar on Towards Stronger and Sustainable of Self Help Groups	Pains and Gains of Self Help Groups	National Seminar -	Department of Economics Rajah Serfoji College Thanjavur
30.03.2015	National Conference on	Effect of different Agro waste on mass	National conference	Department of

- 31.03.2015	Recent Advances in Industrial Biotechnological Skill Development	production of edible mushroom	–	Botany Thiagarajar College (Autonomous) Madurai
25.09.2015	State Level students seminar	Chaired a Session	State Level	Thiagarajar College (Autonomous) Madurai
25.02.2016	Students Seminar	Medicinal and traditional uses of Aloevera	State Level	Thiagarajar College (Autonomous) Madurai
05.04.2016 - 06.04.2016	Seminar	Challenges and opportunities in life Sciences	International Conference	Sree Meenakshi Government Arts College Madurai

V **No. of Seminars/Conferences/Workshops attended -9**

VI **Course attended (Refresher / Orientation / any other )**

Name of the Course	Venue	Duration
Orientation Course	Madurai Kamaraj University, Madurai	17.12.2014 – 13.01.2014

VII i. Any other information (Membership in various academic related bodies / societies / associations)

**Personal Meritorious Achievement Certificate**