

ACADEMIC YEAR 2008 - 2009

# ANNUAL QUALITY ASSURANCE REPORT

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
BANGALORE



MADRAS CHRISTIAN COLLEGE (AUTONOMOUS)  
Tambaram, Chennai - 600 059

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**INTERNAL QUALITY ASSURANCE CELL**

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## **MISSION STATEMENT**

**T**he Madras Christian College with the inspiration of the love of God offers to people of all communities education of the whole person which is congruous with God's revelation in Christ of the true nature of humanity and is appropriate to the needs of India and the world.



National Conference at the Anderson Hall

## **ANNUAL QUALITY ASSURANCE REPORT**

**2008 - 2009**

The thrust area for quality enhancement for the current academic year 2008-2009 was on the revision of curriculum at the undergraduate and postgraduate levels. The curriculum revision took into consideration the various recommendations of the Board of Studies and Academic Council of the College and the instructions from the Tamil Nadu State Council for Higher Education.



Bell Tower

## Part A

**Plan of Action:** *Streamline the Choice Based Credit System*

**Outcome:**

- The Choice Based Credit System (CBCS) introduced during 2003-05 was subjected to thorough revision incorporating the recommendations of Tamil Nadu State Council for Higher Education (TANSCHE).
- The credits required for award of degree for UG was increased from 108 to 140 and for PG from 72 to 100.
- Based on the recommendation of TANSCHE, a common structure was developed for the CBCS to facilitate student mobility and enhance quality of the programmes offered.
- Introduced more elective courses in major subjects to help students choose courses of their interest and aptitude.

**Plan of Action:** *Enhance the Employability Skills of Students*

**Outcome:**

- The curriculum revision was carried out in the current academic year by incorporating courses and activities that will enhance the skills of students to meet the expectations of the employers. Courses were tailored to impart employability traits like Leadership, Team Work, Problem-Solving, Decision-making and Self-motivation.
- A mixture of inter-disciplinary and inter-departmental programmes has been reinforced to ensure not just practical but pragmatic learning.
- Computer education is made mandatory for all students to attain cent per cent computer literacy for our students both at undergraduate and postgraduate levels.
- Internship available in Media Houses, Industrial and Corporate sectors and NGOs, have increased during the current academic year.
- Revitalized some of the extension units like Pammal Medical Centre for neighbourhood community service and thus to create service-learning opportunities for students.

**Plan of Action:**      *Appreciation of Tamil Culture and Language*

**Outcome:**

- Tamil is introduced as a mandatory course for students who have not done a course in Tamil during their school education.
- The programmes and activities of the Tamil Cultural Association in the campus were noteworthy for the current academic year.

## Part B

### 1. Activities reflecting the goals and objectives of the institution:

#### Academic Excellence

- Efforts were made to enhance the quality of the programmes offered in the college to remain as one of the premier institutions of higher education in the country.
- Changes were brought in the curriculum to evolve a teaching and learning system that meets national and international standards.
- Efforts were made to develop a student-centric education with 'teacher as facilitator' mode of instruction.
- Changes were brought in the admission and recruitment policy to attract students and faculty with academic excellence.
- Enhanced facilities that will encourage faculty and students to engage in research and consultancy.
- Increased the number of research publications.

#### Spiritual Vitality

- All programmes are structured in tune with the mission of the college and all the Christian values are reflected in the activities of the college.
- Every effort is made to maintain the values of the college, namely love, unity, brotherhood, industry and courage in creating wholesome personality.
- Students are given training in Christian values and in the practice of ethical principles which will make them distinct in the sphere of their activity.
- Students were encouraged to participate actively in outreach activities and work towards the development of neighbourhood community.
- Students and faculty were given an opportunity to engage in inter-faith dialogue through activities of Students Christian Movement and Staff Study Circle.

#### Social Relevance

- One of the objectives of the college is to extend and direct students' activities adequately towards social needs. Efforts were made to continue the pioneering efforts of the college in fostering the social involvement of students.

- The needs of the neighbourhood community were surveyed and priorities were set through our extension programmes.
- Students were sensitized and trained to take care of the underprivileged and the socially marginalized.
- Create an environment where the needs of the differently abled are given importance.

## 2. New academic programmes initiated by the college (UG & PG):

Several new programmes were initiated this academic year. However, the CBCS introduced in 2003-05 was revised to incorporate the decisions of the Academic Council of the college and the recommendation of the TANSICHE.

## 3. Innovations in curricular design and transaction:

The CBCS introduced in 2003-04 and 2004-05 was revised in the academic year 2008-09 to incorporate the recommendations of TANSICHE. The credits required for award of degree for UG was increased from 108 to 140 and for PG from 72 to 100.

All the departments incorporated major changes in their curriculum based on the uniform credit structure that was developed for the college.

Revised CBCS Structure for U.G

Components	Credits	Total
Part – I (Language)	12	12
Tamil/Other Languages		
Part – II (English)	12	12
English		
Part - III (Major & Allied)	75/85	95/105
a) Major courses (17 – 20 Papers) (including practical & project work)		
b) Allied [Allied I, Allied II] (4 – 8 Papers)	20	
Part – IV (Non-Major Courses)		
a.1) Basic Tamil (BT)		
(OR)		



b.2) Advanced Tamil (AT)		
(OR)		
a.3) General courses (GC)	4	
b)Skill Based Course	3+3+3+3	20
[Personality Development]		
[Inter Disciplinary Courses]		
[General Elective]		
[Computer Training]		
c)Environmental Studies	2	
d)Value Education	2	
Part – V (Extension Activities)	1	1
Service-Learning – 2 credits		
Physical Education – 2 credits		
Dept. Association Activity		
NCC		
NSS		
Sports		
Scrub Society		
<b>Total</b>		<b>140/150</b>

### Revised CBCS Structure for P.G

Component	Credits
Major (including Practical, Field work & Project work)	70
Elective	20
Soft Skill Programme	8
Internship	2
<b>Total</b>	<b>100</b>

### Some of the highlights of the restructured curriculum are:

At the undergraduate level: Choice is offered in Major courses, study of Tamil as a language at different levels, Skill Based courses, mandatory credit for Extension Activities, Interdisciplinary courses and compulsory computer training.

At the postgraduate level: The introduction of 8 credits for Soft Skill Programme and 2 credits for Internship was made mandatory. The Soft skill Programme offered by MCC is unique since it is developed by our faculty. Three broad areas are included under soft skill, namely:

- Group A: Personality Enrichment: 4 credits
- Group B: Communication skills: 2 credits (students can choose any one of the languages offered, namely, English, French, German)
- Group C: Career Coping skills: 2 credits (students can choose any one of the following skills: Computer Training, Public Relations, Quantitative Aptitude)

In addition to the structural changes that were brought in the CBCS some of the changes made in the curriculum were:

- The Department of Tamil renamed the paper 'Literary Criticism' as 'Modern Literature and Trends in Literary Criticism', considering the constraints of the paper for the B.A. Tamil students. The department also introduced the book 'Karuvarai Vasanai' by poetess Ms. Kanimozhi. It was also decided to make necessary changes in the content based on the knowledge level of the students of each class.
- The Department of History made necessary changes in the title and content of the courses 'Modern World-An Introduction to the Modern World since 1945' (General course), and 'Tourism and Hospitality Management' (Inter-disciplinary course). Changes were also brought in the core course 'Nationalism in South East Asia'

#### 4. Inter-disciplinary programmes started:

The college offers the following inter-disciplinary programmes at the UG level: General Course (First year), Inter-disciplinary Course (Second year) and General Elective (Third Year).

- **General Course:** It is a mandatory course to be chosen from other departments every semester.
- **Inter-Disciplinary Course:** It is offered for the II year students. Students can choose course offered by the parent department.

- **General Elective:** It is offered for the III year students in the fifth semester. Students can choose courses offered by the parent department.

The following inter-disciplinary courses offered in various departments:

Discipline	Courses offered
English	Eco-criticism Literature and Music English for Careers
Tamil	Literature & Psychology
History	Indian Culture Civil Services in India Entrepreneurship Development
Political Science	Political Economy of India Political Sociology Public Policy
Economics	Health Economics
Philosophy	Introduction to Christian Theology
Commerce	Tourism Marketing Accounting Package - Tally Business Economics Advertising Theory & Practice Human Resource Management Web Application
Mathematics	Mathematics for Competitive Exams
Statistics	Actuarial Statistics
Physics	Astrophysics Biophysics
Chemistry	Environmental Chemistry Biological Chemistry
Plant Biology & Plant Biotechnology	Biodiversity

	Ethnobotany Plants in International Affairs Plant-Animal Interaction
Zoology	Wildlife Management
Business Administration	Business Economics
Computer Application	Multimedia Systems
Media Studies	Media Management Presentation skills Public Relations
Microbiology	Floriculture
Physical Education	Research Methods & Report Writing in Physical Education
Geography, Tourism & Travel Management	The entire curriculum for this programme is interdisciplinary in nature. They also offer a course in Computer Integrated Geography

#### 5. Examination reforms implemented:

The CBCS pattern was revised both for under graduate and post graduate programmes and this necessitated revision in the examination system. The regulations for M. Phil were revised and the changes introduced were incorporated into the mark sheet. *Viva-voce* examination for M. Phil dissertation was made mandatory.

#### 6. Candidates qualified for NET/SLET/GATE etc:

A considerable number of students clear these competitive examinations. However the college does not maintain any record of these results.

#### 7. Initiative towards faculty development programme:

##### Orientation Course

- P. Rukmani Sampath Kumar, Head, Department of History, attended Orientation Course conducted by the Academic Staff College, University of Madras, 2008.
- Vasanthi Vijayakumar, Department of History, attended Orientation Course conducted by the Academic Staff College, University of Madras, 2008.

- P. Krishnan, Department of Chemistry, attended Orientation Course, conducted by the Academic Staff College, University of Madras, September 2008.
- P. S. Raghavan, Department of Chemistry, attended Orientation Course, conducted by the Academic Staff College, University of Madras, 27 August to 23 September 2008.
- E. Joyce Sudandara Priya, Department of Plant Biology and Plant Biotechnology, attended an Orientation Course organized by the Academic Staff College, University of Madras, Chennai, 01 to 28 November 2008.

### **Refresher Course**

- S. Mathivanan, Department of Philosophy, attended the Refresher Course in 'Educational Technology', organized by the Academic Staff College, University of Madras, 05 to 25 February 2009.
- Hannah Fredrick, Department of Commerce, attended the Refresher Course, organized by the Academic Staff College, University of Madras, 09 to 29 July 2008.
- D. Minnie, Department of Computer Science, attended the Refresher Course in 'Information Technology', conducted by the Academic Staff College, University of Madras, Chennai, 06 to 26 August 2008.

### **Faculty Development Programme (FDP)**

The following faculty members were selected for FDP to pursue doctoral research, April 2009- 2011:

- N. Jayaselvi, Department of English.
- S. Sudha, Department of Political Science.
- Merlin Juliet Arul Thangam, Department of Economics.
- S. Adeline, Department of Economics.

### **Other Faculty Development Programmes**

- P. George, Department of Tamil, participated in a short-term course for Research Guides organized by the Academic Staff College, Bharathiyar University,

Coimbatore,

27 to 31 January 2009.

- R. Venkataramanujam and V. Chitra, Department of History, attended a Workshop on 'Basic Skills in Counseling', Project of the Institute of Gender Studies, UBCHEA and Department of History, MCC, 26 & 27 June 2008.
- J. Ramesh Sundar, Department of Political Science, participated in a Workshop on 'Nuclear Disarmament on Regional Security', by Institute of Peace and Conflict Studies, New Delhi & MCC, 04 & 05 September 2008.
- T. Johnson Sampathkumar, Department of Public Administration, completed an 'Online Mentor Development Programme for Young Entrepreneurs on Business Management', with the International I.D. No. 01199500236, October 2008.
- D.A.O. Abel Rajan, Department of Economics, participated in a Workshop on 'Nuclear Disarmament and Regional Security' conducted by the Institute of Peace and Conflict Studies, New Delhi & MCC, 04 & 05 September 2008.
- Jacqueline Raja Bai, Department of Economics, participated in the workshop on 'Writing and Publishing Articles in National and International Journals', organized by LISSTAR, Loyola College, March 2009.
- S. Mathivanan, Department of Philosophy, attended a training programme on 'Learner-centered Teaching', organized by U.S. Consulate General and Tamil Nadu Principal's Association - Madras Chapter, January 2009.
- Shirmila.T, Department of Commerce, Prince Edwin Das and C. Amirthavalli, Department of Chemistry, participated in the Workshop on 'Environmental Awareness', organized by the Environmental Studies Programme, Madras Christian College, July 2008.
- Renchy Koshy Verghese, Department of Social Work, attended a workshop on 'Field Work Training' held at Roshini Nilaya School of Social Work, Mangalore, 01 to 03 October 2008.
- Prince Annadurai, Department of Social Work, attended a 'Leadership Seminar' at the Baptist University of Hong Kong, organized by UBCHEA, July 2008.

- Prince Solomon Devadass, Department of Social Work, visited Kenya and Uganda representing NGO, Little Drops Global Outreach, Chennai, for Setting up a Mission, September 2008.
- T. Robinson, Department of Mathematics, attended a Workshop on ‘Learner – Centered Teaching’ organized by the U.S Consulate General, Chennai and Tamil Nadu Principals Association – Madras Chapter, January 2009.
- N. Lakshminarayan, Department of Physics, attended a ‘Short-term Course for Research Guides’, Academic Staff College, Bharathiar University, Coimbatore, 27 to 31, January 2009.
- Larny Mary Jayan, Department of Physics, attended a Workshop on ‘Nanotechnology’ organized by the University of Madras, August 2008.
- T. Jaba Priya, Department of Chemistry, participated in the Seminar on ‘High Performance Liquid Chromatography’, organized by Waters, February 2009.
- G. Johanna Johnsi Rani, Department of Computer Science, Visiting Scholar Programme sponsored by the UBCHEA to Augustana College, Rock Island, Illinois, USA.

#### **8. Total number of seminars / workshops conducted:**

##### **Endowment Lectures**

- Gift Siromoney Endowment Lecture on ‘Markov Sampling’, delivered by Prof. K. Suresh Chandra, Former Head & Professor Emeritus, Department of Statistics, University of Madras, Chennai, March 2009.

##### **International Seminars/Conferences**

- ‘Human Rights and Mental Health’: International Study Conference conducted by the Department of Social Work. Dr. K. Sekar, Head of the Department of Psychiatric Social Work, NIMHANS, Bangalore, gave the inaugural address and Dr. Anbumani Ramodoss, the Union Minister for Health and Family Welfare, delivered the valedictory address. Dr. Julie Drolet from Thompson Rivers University, Canada; Dr. Leon Ginsberg from Appalachian State University, USA; Dr. Frank Tesoriero from Flinders University, Australia; Dr. Kris Ryan from The University of South Australia; Rev. David Ingleton from Australia and Dr. Nambi,

the Director for Institute for Mental Health, Chennai, were some of the resource persons of this conference that had participation from 35 Colleges, 24 to 27 September 2008.

- Department of Social Work conducted a one-day International Seminar on 'International Social Work Practicum'. Students and faculty of Bridge Waters State College, USA and other international interns participated, 06 January 2009.
- Centre for International Social Work, Department of Social Work, organized (i) International workshop on 'Research Methodology' for the research on 'Rebuilding Lives Post-Tsunami: The Long-term Economic, Social & Gender Implications' with international partners from USA, Canada & Australia, 29 & 30 September 2008; (ii) Two-day Workshop for international students of Taiwan on 'Social Work in India' and service-learning programme for a group of 16 students and staff led by Dr. Chaohsing of the Department of Social Work, Chang Jung Christian University, Taiwan, 02 to 05 September, 2008; (iii) Two-day 'Service-Learning Programme' for 15 students and staff of Maryville College, USA at Family Life Institute, Mappedu, which is an outreach wing of the Department of Social Work, 19 & 20 January 2009; (iv) Workshops for MSW students by international resource persons: (a) Workshop on 'Mediation' for I & II MSW students, by Dr. Marjan Detert, Professor of Saxion University, Netherlands & Mr. Simon, Trainer, Netherlands, 09 & 10 and 23 & 24 January 2009 and; (b) Workshop on 'Group Work Skills' for I MSW students by Dr. Jim Bijlsma, Netherlands, 23 & 24 January 2009.
- 'Frontiers in Chemical Sciences': International Conference conducted by the Department of Chemistry in connection with the birth centenary of late Professor. S.V. Anantkrishnan. Dr. R. Wilfred Sugumar was the Convener and Dr. K. Mohandoss was the Organizing Secretary for the above mentioned conference. The faculty of the department were members of the Organizing Committee and participated in the conference, October 2008.

#### **National/Regional Seminars/Workshops**

- Department of History in collaboration with the Centre for Gender Studies, Madras Christian College, conducted a two day workshop on 'Basic Skills of Counseling', June 2008.



- Department of History in collaboration with Department of Public Administration organized a seminar on 'Cyber Crime – Violence against Women' funded by UBCHEA. The main speakers were Mr. Sanjay Arora, IPS, DIG of Southern Railways (Specialist in cyber-crime) and Mrs. Shiela Jayaprakash, a leading lawyer, August 2008.
- Department of History with Department of Political Science conducted a two-day national workshop on 'Nuclear Disarmament and Regional Security' in collaboration with the Institute of Peace and Conflict Studies, New Delhi. Eminent personalities like Major General Dipankar Banerjee and Professor P.R. Chari delivered lectures in the Workshop, 04 & 05 September 2008.
- The Department of History conducted an UGC sponsored one-day Seminar on 'Contemporary Issues in Tamil Nadu'.
- Department of History organized 'Madras Perspectives', an exhibition of rare photographs, maps, stamps, first day covers, coins, books, etc. relating to Madras, including exhibits from Archaeological Survey of India and Madras Police Museum.
- Department of Political Science organized a one-day seminar on 'Right to Information Act' in collaboration with the Indian Institute of Public Administration, Tamil Nadu Regional Branch, Chennai. Mr. G. Ramakrishnan, IAS (Retd.) gave the keynote address. Eminent personalities like Ms. Sudha Ramalingam, Advocate, High Court, Chennai and Mr. P. R. Sampath, IAS, Honorary Secretary, I.I.P.A., Chennai gave the special address, December 2008.
- Department of Political Science, organized a one-day regional seminar on 'India at the Cross Roads', 19 March 2009.
- Department of Economics organized a national level economic symposium on 'Maintaining India's Growth in the Context of External Shocks', September 2008.
- Department of Economics organized a one-day seminar on 'Global Economic Trends: Impact on Indian Economy', March 2009.
- Sarprasatha Joe, Department of Commerce, organized workshops on (i) 'Preparation for Campus Placement' for students of Department of Social Work

(HRM) of MCC: (ii) 'Entrepreneurship' for senior students of Business Administration at Asan Memorial College, Chennai, 2008-09.

- Department of Social Work organized a one-day workshop for women of self-help groups in and around Tambaram on 'Women's Empowerment' to celebrate International Women's Day, 07 March 2009.
- The Mathematics Association of the Department of Mathematics organized an inter-collegiate math competition 'Math Woods'.
- Department of Statistics organized a National level UGC Sponsored Workshop on 'Statistical Analysis using MS-Excel' which was well received by the academicians of other disciplines like Computer Science, Social Work and Life Sciences who apply Statistics to a large extent, 28 March 2009.
- D. Narasimhan, Department of Plant Biology and Plant Biotechnology organized a Two-day workshop for College Students and Teachers on 'Environmental Studies – An Interdisciplinary Approach' as part of Environmental Studies Unit, Madras Christian College, Chennai, 09 & 10 July 2008.
- D. Narasimhan, Centre for Floristic Research, Department of Plant Biology and Plant Biotechnology organized a workshop on 'Plant Taxonomy for Taxonomy Teachers and Researchers', jointly with M. S. Swaminathan Research Foundation, Wayanad at MSSRF Centre, Wayanad, 19 to 23 February 2009.
- The Department of Plant Biology and Plant Biotechnology organized a one-day seminar on 'Climate Change – Biodiversity and Livelihood' for college teachers and students with D. Narasimhan as the Organizing Secretary, 13 March 2009.
- Bioinformatics Centre of BTISnet, Department of Zoology conducted a one-day seminar on 'Prospects of Biotechnology', by Dr. Madan Mohan, Director, Bioinformatics Division, DBT, Government of India, 20 September 2008.
- Department of Zoology in association with the Entomology Academy of India organized a National Conference on 'Impact of Climatic Factors on Insect Abundance – Changing Scenario and Future Research Threats', 25 October 2008.

- Bioinformatics Centre of BTISnet, Department of Zoology organized a three day workshop on 'Introduction to Bioinformatics for Higher Secondary Biology Teachers', 29 to 31 October, 2008.
- Department of Zoology and Department of Marine Studies and Coastal Resource Management (SFS) organized a national symposium on 'Current trends in Marine Science and Technology' CUTMAST-2009, January 2009.
- Department of Computer Science (SFS) conducted a 'Train-the-Trainer' programme for twenty members of faculty from various colleges in order to enable them to offer courses in computer training for under graduate students.
- Department of BCA (SFS) conducted a National Symposium called 'Techwoods', 2008.

### **Lectures Organized**

- Department of Statistics organized lectures by eminent personalities and subject experts during 2008–09: (i) 'Role of Statistics in Industries' delivered by Dr. D. Sampangi Raman, Director, Indian Statistical Institute, Chennai, September 2008; (ii) 'Clinical Trials in Drugs Manufacturing', delivered by Prof. David Ipe, Project Statistician, Pharma Development Medical Science, USA, December 2008.

### **9. Research projects:**

- An Investigation into Possible Etymological and Grammatical Connection between Tamil and North Indian Languages: Project led by Dr. G. Rajendran, Department of Tamil, Madras Christian College, Sponsored by Central Institute of Indian Languages, Mysore with a grant of Rs. 2.5 lakhs 2006-2009 (Ongoing Project).
- Developing Computational Tool for Tamil Hyphenation: Project led by Dr. P. David Prabhakar, Department of Tamil, Madras Christian College, UGC Project, Rs.72, 000; 2007-2009 (Ongoing Project).
- Digitalizing the Manuscripts and Photographs in the MCC Archives: Project sanctioned to Dr. Vasanthi Vijayakumar, Department of History, funded by the UBCHEA, US \$5000.

- Economics of Wind Energy: Project sanctioned to Dr. A. Duraisamy, Department of Economics, funded by the Malcolm & Elizabeth Adiseshiah Trust, Chennai, Rs.1, 00,000.
- A Study on Working Women in Chennai City: Project led by Dr. A. Annadurai, Department of Economics, funded by Malcolm & Elizabeth Adiseshiah Trust, Chennai, Rs. 40,000.
- Working Performance of NREGP in Cuddalore District, Tamil Nadu: Project led by Dr. A. Annadurai, Department of Economics, funded by the Malcolm & Elizabeth Adiseshiah Trust, Chennai, Rs. 1,00,000.
- S. John Gabriel, Department of Commerce was granted a sum of Rs. 95,000.00 by UGC for a study on 'Problems of Marketing of Products Produced by Women Self-help Groups in Chennai City', 2008.
- Thomas Rosy, Department of Mathematics, has undertaken a UGC Minor Research Project on 'Studies on Univalent Functions and Harmonic Functions in the Unit Disc'.
- N. Lakshminarayan, Department of Physics was granted Rs 1.9 lakhs for UGC funded project on 'Preliminary Investigations in Digital Process Control of Chemical Methods to Form ZnO Films', March 2009 onwards.
- The Department of Statistics conducted a Socio-economic Survey in the villages around Pulicat Lake to know the needs of the fishermen in the area, March 2009.
- As a part of the practical exercise, students of the Department of Statistics conducted a survey at Vedanthangal in March 2009 to know and understand the environmental issues in the area as a follow up of the previous visit in 2008.
- Endemic and Threatened Trees of Western Ghats of Kanyakumari District: Biology, Population and Mapping: Dr. D. Narasimhan, Department of Plant Biology and Plant Biotechnology, major UGC Project with a grant of Rs. 6,09,600, May 2006 to May 2009.
- Herbivorous Arthropod Fauna Associated with Ferns of Western Ghats of Southern India: Dr R.W. Alexander Jesudasan, Department of Zoology, Sponsored by the Ministry of Environment and Forests, Government of India, New Delhi, Sanctioned Amount is Rs. 12, 56, 000, 2006-09.

- The Department of Marine Studies & Coastal Resource Management (SFS), has been sanctioned an amount of \$ 14,000 for a project on 'Profiling the Biodiversity & Conservation of Pulicat Lake' by UBCHEA

#### **10. Patents generated, if any:**

No patents were generated for this year.

#### **11. New collaborative research programmes:**

- Department of Social Work, Madras Christian College, in collaboration with Thompson Rivers University, Canada: Miriam Samuel, Department of Social Work as Co-investigator, in collaboration with Julie Drolet (Principal Investigator, Thompson Rivers University, Canada), for a project on 'Rebuilding Lives Post Tsunami: the Long Term Socio, Economic and Gender implications in Tamil Nadu', funded by the Social Science and Humanities Research Council of Canada, amount of Rs. 9 lakhs, 2008-2009.
- Department of Social Work, Madras Christian College, in collaboration with Bridge Waters State College, USA: Miriam Samuel and Prince Solomon, Department of Social Work as Co-investigators, and Dr. Jude Gonsalvez, (Principal-Investigator Bridge Waters State College, USA) conducted a collaborative research project on 'Resilience of Women Survivors of the Tsunami 2004 in TN', Rs. 25.000, June 2008 to March 2009.
- Department of Social Work, Madras Christian College, in collaboration with University of South Australia and Dr. Frank, Flinders University, Australia: Miriam Samuel, Prince Annadurai and Prince Solomon, Department of Social Work, as Co-investigators and Dr. Frank, (Principal Investigator, Flinders University, Australia), for a 'Healthy District Project' funded by Myers Foundation, Australia, Amount of Rs. 2 lakhs.
- Centre for International Social Work, Department of Social Work, Madras Christian College, in collaboration with Mediant Mental Health Centre, Netherlands: Project on DOORS – Community Mental Health Initiative- A Post Tsunami Project, that emerged as a response to the devastation of the Tsunami in December 2004. The project mainly focuses on the mental health needs of the communities affected by the tsunami within the Sadras Region, TN. It worked in

four different villages namely Sadras Kuppam, Meyyur Kuppam (Fishing Villages), Meyyur Marathottam and Kalvaikarai (Dalit Village). The Project reflected the need for mental health services in this area and responded to the same, sanctioned amount of Rs. 10 lakhs, January 2005 to March 2009.

- B. Adolf Stephen, Department of Mathematics, collaborative research with University of Sains, Malaysia on 'Complex Analysis', June 2008 – 2009.
- Department of Statistics has collaborations with the Indian Statistical Institute (ISI), Chennai, National Sample Survey Organization (NSSO), University of Madras and the Department of Statistics of other colleges for research activities and the academic benefit of the students.
- Department of Chemistry has an MoU with Orchid Chemicals and Pharmaceuticals Ltd. and conducted a training programme for their employers under the programme 'OLIVE'.
- Department of Chemistry has collaborative arrangements with leading research institutions like CLRI, CSIR, CECRI, NEERI, Asthagiri Research Institutions, IGCAR, Hindustan Photo Films-Ooty, to carry PG research projects.
- Department of Plant Biology and Plant Biotechnology has collaborative research programmes with organizations such as: National Biodiversity Association (NBA), Botanical Survey of India (BSI), Tamil Nadu Forest Department - Chennai, Department of Environment - Tamil Nadu, Chennai, FRLHT - Bangalore, C.P. Ramaswamy Research Foundation (CPRRF) - Chennai, Krishnamurthy Institute of Algology (KIA) - Chennai.
- Department of Zoology, collaborative research with Corporate sectors such as, Himalaya Drug Company, Bangalore; Cavin Kare Research Centre, Chennai; Sree Ramcides Chemicals Pvt. Ltd., Chennai and MoU for collaborative research with international universities namely, Liverpool Hope University, UK.
- Department of Marine Studies & Coastal Resource Management (SFS) has collaboration with Silliman University, Philippines; Artha Wacana Christian University, and Sam Rathulangi University, Indonesia.

**12. Research grants received from various agencies:**

Grants for research was received from various agencies both National and International and Government and Non-governmental. Some of the reputed organizations from where the college received grants are:

Department	Sponsoring Agency
History	United Board for Christian Higher Education in Asia (UBCHEA).
Economics	Malcolm & Elizabeth Adhishesiah Trust
Commerce	UGC
Social Work	Social Science and Humanities Research Council of Canada; Bridge Waters State College, USA; Myers Foundation, Australia; Mediant Mental Health Centre, The Netherlands
Mathematics	UGC; University of Sains, Malaysia.
Physics	UGC
Chemistry	FIST/DST
Zoology	Ministry of Environment & Forest; DBT; Department of Biotechnology( DBT); CSIR; FIST/DST; Department of Biotechnology, Government of India.
Marine Studies & Coastal Resource Management (SFS)	United Board for Christian Higher Education in Asia (UBCHEA).

**13. Details of research scholars:**

- Number of Departments Conducting M.Phil Programme : 13
- Number of Departments Conducting Ph.D Programme : 13

Name of the Dept	M.Phil		PhD	
	Recognized Guides	Students Enrolled	Recognized Guides	Scholars Enrolled
History	6	4	1	2
Political Science	6	1	4	8
Public Administration	4	2	4	2

Economics	4	3	2	1
Philosophy	8	-	5	4
Tamil Literature	9	5	9	12
English Literature	10	12	8	6
Mathematics	10	9	10	3
Statistics	4	3	2	1
Physics	7	9	6	-
Chemistry	8	6	7	4
Plant Biology and Plant Biotechnology	6	3	3	3
Zoology	9	4	8	-

#### 14. Citation index of faculty members and impact factor:

Name	Name of the Journal	ISSN No	Impact factor	Citation
Title: <i>Heavy metal Mercuric chloride induced biochemical changes in fresh water cat fish</i>				
Dr. R. Raveen	Journal of Ecotoxicology and Environment	0147-6513	2022	2788
Title: <i>Knowing Cephalopods – Octopus macropus</i>				
Dr. Deepak Samuel	Journal of Coastal Management	0892-0753	0426	242

#### 15. Honors / awards to the faculty:

- Felix Moses, Department of English was the Convener for the Academic Audit Committee of Loyola College, January 2009.
- Ann Thomas, Department of English was elected Vice-Chairperson of the Gender Equity Committee of the Asia and Pacific Alliance of YMCA's, 2008 to 2011.
- K. Joshua, Department of Philosophy, was appointed to coordinate the philosophy section in the Oxford Companion to Christianity, edited by Prof. Sebastian C. Kim, York University.
- Miriam Samuel, Department of Social Work, (i) Member, Inspection Committee, University of Madras, for granting provisional affiliation for BSW degree, Madras



School of Social Work, Chennai, August 2008; (ii) Subject Expert approved by the Vice-Chancellor of the University of Madras for the staff selection committee of the Madras School of Social Work, Chennai, 2008.

- T. Robinson, Department of Mathematics was conferred 'Innovation Award' by the confederation of Indian Industries [CII] for his device 'Tactile Graphic Tool'.
- Bala Srinivasan, Department of Statistics was (i) Elected 'Member of the Academic Council', University of Madras during 2007-10 and (ii) Member of the 'Board of Studies in Statistics', University of Madras 2007-2010.
- R. Wilfred Sugumar, Department of Chemistry is appointed as reviewer of African Journal of Food Science.
- Prince Edwin Dhas, Department of Chemistry, was invited to attend the interactive sessions at the Science Conclave: A congregation of Noble prize winners, at the Indian Institute of Information Technology, Allahabad.
- D. Narasimhan, Department of Plant Biology and Plant Biotechnology, (i) Awarded Dr. V. Sivarajan Gold Medal, given for taxonomist by Indian Association for Angiosperm Taxonomy for the year 2008-2009; (ii) Member of the committee appointed by Honorable High Court to look into cutting of trees for construction of grade separators and widening roads; (iii) Member of the Advisory Panel for the Adyar Poonga Trust formed by the Government of Tamil Nadu for restoration of Adyar Creek; (iv) Elected Member, Advisory committee, Environmental Information System (ENVIS) Centre, Ministry of Environment and Forests, Government of Tamil Nadu, Chennai; (v) Convener for Environmental Studies at MCC from 2008; (vi) Member, for the selection of Prof. R. Kalyanasundram Memorial award for Ph. D Scholar, for the year 2008, University of Madras, Chennai; (vii) External Subject Expert (University Nominee), Board of Studies, Department of Plant Biology and Plant Biotechnology, Presidency College, Chennai.
- R. Moses Inbaraj, Department of Zoology was selected as an Executive Council Member, for Indian Society of Comparative Endocrinology.
- Manu Thomas Mathai, Department of Zoology was elected as Vice-president of the South Asian Council of Odonatology, affiliated to the International Society, The Netherlands.

- V. Deepak Samuel, Department of Marine Studies and Coastal Resource Management, got the best research paper award for his paper titled 'Marine Eels-The Gunk Unknown' presented at the National conference on Biotechnological Intervention for Conservation and Sustainable Utilization of Bioresources, Sathyabhama University, Chennai.
- V. Deepak Samuel, Department of Marine Studies and Coastal Resource Management got the best research paper award for the paper titled 'Studies on the Enlarged Suckers of the Reef Dwelling Octopus *O. marginatus Taki*', presented at the National Conference of Coral Reef Ecosystem - NACCRES 08, Tuticorin Fisheries College and Research Institute.

#### **16. Internal resources generated:**

##### **Grants and Projects**

- The departments were able to generate funds for purchase of new equipments for the laboratories and to enhance class room teaching / learning.

##### **Alumni and Well Wishers**

- The alumni and well wishes of the concerned departments have magnanimously come forward with scholarships for students and also other accessories like Liquid Crystal Display, Laptops, Printers, Camera to promote and enhance the teaching-learning environment.

#### **17. Details of departments getting SAP, COSIST (ASSIST)/DST, FIST, etc:**

##### **Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)**

- Zoology (2004-2009): FIST Funding agency sponsored Rs.19 lakhs towards the purchase of equipments and the students are exposed to Endocrinology and Molecular Biology special papers offered by the Department of Zoology. Both staff and students avail this facility. Internal networking with server has been established. Students have published papers. Neurosteroid work has been identified and initiated. Students from neighboring colleges have also benefited.

- Chemistry (2004-2009): FIST funding agency sponsored 32 lakhs towards the purchase of equipments. Students are exposed to Computer-aided Chemistry and Scientific Research Methodology. Apart from staff, and students from both UG and PG, researchers from other Universities like MK University, Bharathiar University and Bharathidasan University avail the instrumentation facility of the department for their projects.

### **Other Funding Agencies**

- Department of Zoology, Physics, Chemistry, & Botany, are part of the Star College Scheme of DBT, Ministry of Science and Technology, have received a grant of Rs. 36 lakhs for an initial period of two Years (from 2009). The funds will be equally shared between the four science departments for the purchase of equipments and consumables. This initiative is part of the efforts made by the Central Government to attract and enhance science learning in the present scenario.
- Department of Zoology received funds to the tune of Rs.20 lakhs from BTISnet Department of Biotechnology (DBT), to learn and teach bioinformatics.
- Department of Zoology has got a research project entitled 'Sequence analysis and expression of MIS receptor gene in *Labeo rohita*' Rs. 5.8 lakhs, sanctioned by CSIR.

## **18. Community and support services:**

### **A. SUPPORT SYSTEM**

#### **MCC School of Continuing Education**

- The primary purpose of MCCSCE is to augment the academic, technological and human resources of the college for promoting self-reliance and enhancing the talents and potentials of both the underprivileged and career oriented youth by offering a number of occupational courses. Since its inception, the unit has offered more than 50 need based skill oriented courses, prudently structured and administered.
- The objectives are (i) to provide affordable courses for the less privileged youth who cannot afford to join the mainstream of the university education for economic

and other reasons; (ii) to provide opportunity for students of the mainstream college to acquire one or more diplomas which may ensure them a job when they leave the college on graduation; (iii) to encourage additional learning in the area of their interest irrespective of age.

- Emphasis is laid on the practical oriented training of the students in all the courses conducted. For this purpose the laboratories and computers are more effectively utilized. Students of some courses like, Printing Technology, Journalism and Mass Communication, Human Resource Management, Medical Laboratory Technology are sent for 'on the job training' in reputed organizations such as The Hindu, The New Indian Express, Deccan Chronicle, Thomson Press, Bharath Scans etc., for a period of two weeks to four months according to the need of the course.

There has been a steady increase in the enrollment of students in the past five years.

The details are given below:

Year	Students Enrolled
2005 – 06	155
2006 – 07	210
2007 – 08	260
2008 – 09	300

- The attendance in classroom lectures is compulsory and the quality of the courses is enhanced by a project report.
- The passing minimum is 40 marks for each paper. At the end of each course campus interviews are held and most of them secure gainful employment in India and abroad. Mass Communication students brought out a Newsletter 'Communique', highlighting the various activities of the college during the academic year.
- The students of Printing Technology celebrated Printer's Day with seminars and quiz contests, 27 February, 2009.
- The students of Medical Laboratory Technology conducted multi-diagnostic camp (Blood Testing for Blood Group and for various diseases) in various places, for poor students and villages. PGDMLT course had a sponsorship of Rs. 1, 00,000/-

by Elsevier Publishing Company for conducting a multi-diagnostic camp at Pulicat through which a large number of poor villages received free medical aid.

- Visually challenged students were taught computer courses with specially designed software.

### **College Union Society**

- The College Union Society had an eventful and memorable year. Beginning with its inauguration which saw Major General R. K. Swamy, the commanding officer of the OTA as the chief guest, the College Cultural and Literary and Debating teams have performed exceedingly well at the different inter collegiate meets in CMC and VIT at Vellore as well as the cultural in Stella Maris College, WCC and IIT Saarang.
- The dance team kept up their winning streak with wins at challenging competitions at CMC and KMC.
- The college band gave a stellar performance at a string of competitions and won prizes. They were also placed second at Strawberry Fields - the prestigious national music competition at the National Law School, Bangalore.
- DEEPWOODS '08, Madras Christian College annual cultural and literary extravaganza was a great success with widespread participation in the various events and spirited performance at the Light Music and Western Rock Show. Despite the economic downturn which resulted in poor sponsorship, the college Union Society used all its creative skills to organize this cultural megaton which was looked upon by all as a milestone in their college lives. The CUS introduced innovative and transparent accounting practices and was able to eliminate unnecessary expenses.
- The year's events also involved seminars and exhibitions to raise awareness about social causes like domestic violence as well as globally relevant issues like global warming and the need for alternate fuels.
- The College Union Society also organized interactive sessions with eminent personalities at the cutting edge of different fields.
- The CUS also conducted a series of track and field events spanning all major sports in our expansive sports grounds.

- In retrospect, the year 2008-2009 has been an insightful and eclectic mix of events and competitions that encouraged team work and cooperation amongst the student fraternity and fostered the spirit of good sportsmanship.

### **Centre for Women's Studies**

- The academic outreach programmes of the centre are meant to sensitize the college community and the neighborhood to the many issues that keep women subordinate to men and also to help them work with each other in a dynamic relationship to usher in a just new world. The centre offers a credited, optional, two-semester value oriented course in Gender Studies for the first year UG students.
- The women workers of the college are now an empowered group. They meet every first Saturday of the month and also on special days. They contribute Rs 50/month towards their small savings programme.
- On 15 August 2008, 35 workers took part in the Independence Day celebration in which Mrs. Annie Philip hoisted the national flag. It was a memorable day for the workers who had organized everything from A to Z. They felt immensely pleased and honoured by the presence of the Principal, his wife, the Bursar and our special invitees from the Rotary Inner Wheel Club, Ms. Ivy Nagarajan and Dr. Nirupama Bhatt.
- On 18 August 2008, a medical camp was organized for the entire college community. A team of 3 doctors and 6 nurses from Kamakshi Hospital and an ENT Specialist from Pammal Eye clinic were gracious enough to spare their valuable time. They brought sophisticated instruments to make a thorough check up including ECG. Blood samples were collected and the results were posted later.
- A meeting of the women workers with Dr. Yasodha was organized. Dr. Yasodha gave a talk on health care and distributed medicines. In connection with the International Women's day, a health awareness programme for all the women students of the college was conducted.
- The centre closely monitors the work done in the three slum clusters in Durganagar and the little help the centre rendered to them is bearing fruit. The children who roamed in the streets of Durganagar have said 'No to the streets' and 'Yes to education', 'yes to hope', 'Yes to life' and their parents are hopeful of a bright future for their children.

- The Coordinator of the Centre, Mrs. Achamma Mathai attended the World Congress 'Giving Children a Voice: the Transforming Role of the Family in Global Society', organized by Service and Research Foundation of Asia on Family and Culture in partnership with the Times Foundation, New Delhi, January 2009.

### **Student Christian Movement (SCM)**

- The inaugural meet of the SCM was held on 09 July 2008 in Anderson Hall in which Dr. Koilpillai, Professor, Indian Institute of Technology addressed the gathering. Fresher's Retreat was conducted on 19 July 2008. Mr. Silas Balraj, Director, Caruna Bal Vikas, Compassion, spoke on the 'Best Choice One should make in Life'.
- At the Staff-Student Retreat at the MCC Pavilion, Rev. John Daniel shared about the 'Fruits of a Good Family', 27 July 2008.
- SCMs joined for a demonstration in Gurukul Theological Seminary, Kellys, supporting the missionaries persecuted in Orissa followed by a workshop on the issue, 11 August 2008.
- A musical fest with YWAM team leading the gathering through praise, worship and testimony, 19 November 2008.
- SCMs participated in the Carol Service conducted by CSI Holy Trinity Church at Madipakkam, 14 December 2008.
- Jesus Redeems Ministry team interviewed our college students and the same was telecasted in Raj Digital Plus and Tamilian TV, 13 & 14 January 2009.
- The SCMs presented a musical evening on social issues and relationship at NSS Camp at Ponmar and conveyed the message on National Integration and Terrorism to the camping students, 05 February 2009.
- SCMs were actively involved in Sunday School Ministry with children of Oxfam School and Mispa School periodically.

### **B. COMMUNITY SERVICES**

#### **National Service Scheme (NSS)**

- The NSS activities started with an orientation programme for the fresher's in the first week of July 2008. Regular activities like tutorial classes, traffic management, manual labour, hospital visit, reading for the blind, orphanage visit, etc. were started by the senior students, June 2008.

- Dr. S. Yagna Sekhar, Coordinator, NSS was selected as University Contingent Leader and participated in the National Integration Camp held at Jabalpur, Madhya Pradesh. Basethy Sudeep, III B.Sc. Zoology also attended the camp and got 1<sup>st</sup> prize in Cartooning competition, July 2008.
- The Coordinator along with Dr. P. George, Programme Officer of NSS attended a one day workshop in Cancer Awareness organized by the Cancer Institute, Adyar, August 2008.
- 25 NSS Volunteers participated in the Independence Day rehearsals at the Secretariat and the same group participated in the Independence Day Programme, 15 August 2008.
- 110 NSS volunteers participated in the Clean Marina programme organized by the Government of Tamil Nadu, 14 August 2008.
- A one day workshop was organized by our NSS unit on Road Safety and Cancer Awareness, 30 August 2008.
- Voluntary Blood Donation Camp was organized by NSS with the coordination of Lion's Blood Bank, Chennai. 210 units of blood were collected, 11 September 2008.
- A rally on Cancer Awareness and 'No Sale' of Tobacco products was organized on 11 October 2008. 400 NSS volunteers participated in the rally at East Tambaram which was flagged off by the Principal Dr. V. J. Phillip. Ban on smoking and chewing of tobacco hoardings were erected inside the College.
- Dr. S. Yagna Sekhar was selected by the University of Madras as a Contingent Leader of Tamil Nadu, Pondicherry and Andaman Nicobar to lead 120 volunteers for the Pre- Republic Day parade at Trivandrum.
- For the first time in the history of NSS in MCC the best NSS Programme Officer Award for the Year 2007-2008 was awarded to Dr. S. Yagna Sekhar. The award was presented by Honorable Minister for Youth Affairs and Sports Mr. Mohideen Khan, 27 November 2008.
- A seven day special camp was organized in Ponmar Village, Kancheepuram District on the theme 'Healthy Youth, Healthy Nation'. During this camp, volunteers carried out several programme like free diabetic check up, cancer awareness, HIV/AIDS awareness, sports for the school children, manual labour, intellectual sessions, Yoga etc., 30 January to 6 February 2009.



- 3 Sri Lankan NSS volunteers of MCC were selected by the University of Madras to participate in the South Asian Universities Cultural Festival held at Punjab, Chandigarh, February 2009.

### **National Cadet Corps (NCC) Infantry**

- Cadet Senior Under Officer, Arvind R, Kaushik of III B. Com. attended the Services Board Selection Training Camp in May 2008. He was part of the NCC delegation of Youth Exchange Programme to visit Vietnam and other South East Asian countries, December 2008.
- Sgt, D. Guruswamy of II B.A. History was selected for the Republic Day Camp 2009 at Delhi. He represented Tamil Nadu, Pondicherry and Andaman & Nicobar contingent in New Delhi where he participated in the Prime Minister's Rally. He won a bronze medal in the inter-directorate competitions in the cultural event.
- Sgt, D. Guruswamy of II B.A. History, Sgt. P. Gopalakrishnan, II B.Com (Voc) and Cpl. C.R.Prasanth, II B.Sc. (Geography) were selected for inter-group competitions held at Madurai and they also represented Madras Group 'A' at Tamil Nadu level.
- Sgt, D. Guruswamy of II B.A. History, participated in Best Cadet Inter-Group competitions (IGC) and won bronze medal in September 2008. Sgt. P. Gopalakrishnan, II B.Com (Voc) was selected as Best Cherry Blossom of Madras Group 'A' in Inter-Group competitions (IGC) 2008.
- Five cadets attended the Shivaji Trail Trek in Maharashtra (Kolapur). They represented Tamil Nadu, Pondicherry and Andaman & Nicobar contingent in Maharashtra, December 2008.
- Ten of our cadets attended the Army Attachment Camp at Bangalore. They also represented Tamil Nadu, Pondicherry and Andaman Nicobar contingent in Bangalore September 2008.
- Twenty one cadets attended the Combined Annual Training Camp (CATC) cum launch at CRPF, Avadi. 15 cadets attended the CATC cum launch II at CRPF, Avadi.
- Our cadets participated in the Codostar 09 competition conducted by Stella Maris College, Chennai, and won the following prizes: Cdt Appu Kamal (1<sup>st</sup> Prize in Best cadet competition), Cdt. N. Mahadevan (3<sup>rd</sup> Prize in Best cadet competition),

Cdt. T. Saravana Raja (2<sup>nd</sup> Prize in Thalsanik competition), Cdt. Ryan Joseph (3<sup>rd</sup> Prize in Thalsanik competition), C.S.U.O. Arvind Kaushik, Sgt. D. Guruswamy and Cdt. Appu Kamal (2<sup>nd</sup> Prize in Quiz Competition), Cdt. M.P. Kannan, Sgt. D. Guruswamy and Cdt. Jibin Jacob (3<sup>rd</sup> Prize in GSK Banner competition) February 2009.

## **National Cadet Corps (NCC)**

### **Naval - Boys Wing**

- Twenty four cadets of II and III year attended the Combined Annual Training Camp held at Naval Coast Battery, Royapuram, June to July 2008.
- Four cadets ; A. Daniel Raj, II B.Sc. (Physics), A. Sanjeev, II B.Sc.(Chemistry), Selvin Prabhu II B.Sc (Plant Biology and Plant Biotechnology) & Ravikumar II B.A. (Tamil Litt.) attended the Nausainik Inter Unit Competition Camp held at 1(P) Naval Unit NCC, Pondicherry, July 2008.
- Six cadets – D. Immanuel Raj Paul, II B.Sc. (Physics), P. Karthikeyan II B.Sc. (Physics), J. Davids, II B.Sc. (Chemistry), S. Steve Mac Shirwin , II B.Com., S. Prakash , II B.Sc. (Statistics) and S. Murali , II B.Sc. (Statistics) attended the CATC cum RDC Training Camp held at 3(TN) Battalion NCC Campus, Kancheepuram; Inter Group Competition Camp representing the Madras B Group at NMSSVN College, Nagamalai, Madurai, September 2008.
- D. Vignesh, II B.Sc. (Plant Biology and Plant Biotechnology) and Ravi Kumar II B.A. (Tamil Literature) attended the Ocean to Sky Trek Camp held at Karwar, Karnataka, October to November 2008.
- Oliver II B.A. (Philosophy) and A. Sanjeevi II B.Sc. (Chemistry) attended the Sea Training Camp held at Vishakapattinam and they travelled in INS Rana at Andaman and Nicobar.
- Several of our cadets attended the BC Training Camp, RDC Launch Camp, Combined Annual training Camp and National Integration Camp.
- Eight of our cadets attended the Republic Day Camp and marched before our Honorable Governor, His Excellency Dr. Surjit Singh Barnala at the Marina Beach, 26 January 2009.

### **Naval - Girls Wing**

- Cadet Captain P. Karthiga, II B.Sc. (Physics) and Petty Officer Cadet Madhu Smitha Bahadi , II B.Sc. (Zoology), earned cash awards at the Miss NCC Competition held at MOP Vaishnava College, Chennai, June 2008.
- Twelve of our cadets took part in the Combined Annual Training Camp '08 at Naval Course Battery, Chennai. S. Sushma, II B.Sc. (Physics) was adjudged the best cadet and our cadets won the best cultural team award, June to July 2008.
- Our cadets won best cadet medal and cash prize for Health and Hygiene competition and also won silver medal in the ship-modeling competition at the Inter Unit Competition held at Puducherry, July 2008.
- L/s D. Aparna, II B.Sc. (Physics), took part in the National Integrity Camp for Personality Development at Jaipur, July to August, 2008.
- Three of our cadets were selected in Launch Camp Inter-Unit Camp held at Puducherry, L/c S. Gayathri, II B.Com., won silver medal in Ship-modeling. L/c J. Kalaivani, II B.Com., won the best cadet medal, August 2008.
- Seven of our cadets participated in Pre-Inter Group Competition held at Kancheepuram, August 2008.
- L/c D. Aparna, L/c J.B. Sherely, L/c J. Kalaivani were part of Inter Group Competition held at Madura. In the final selection for the Republic Day Camp, Delhi, L/c J. B. Sherely was selected, September 2008.
- Five of our cadets took part in the Annual Training Camp held at INS Mondovi, Goa, December 2008.
- Thirteen of our cadets attended Annual Training Camp at Devanagari, Karnataka and won the overall championship, January 2009.
- Five of our cadets took part in the National Integration Camp at Devanagari, Karnataka and won overall championship, January 2009.
- L/c D. Aparna, S. Saranya, S. Bhavani, R. Sandhya and P. Gayatri showed their active participation in the Madras Republic Day Parade and marched saluting the Governor of Tamil Nadu, 26 January 2009.
- It was an honour that Cadet J. B. Sherley took part at the Republic Day Camp, Delhi, 2009.

### **Campus Ministries**

- Campus Ministries is the umbrella forum established in the mid 90's, bringing the spiritual/social programmes of the college under one fold.
- The Units include: Chaplaincy, Student Christian Movement (SCM), Staff Prayer Fellowship (SPF), Religious Studies, Staff Study Circle (SSC), Maternity Center, Oxfam School and the FLI.
- After the introduction of the Choice Based Credit System for the under graduates in 2003, the programmes - Religious Studies, Social Studies, Women Studies and Social Ethics - have been brought under the head of Value Education.

### **MCC Oxfam School**

- The MCC Oxfam School provides education to the poor children with a team of dedicated and resourceful teachers.

### **MCC-Family Life Institute**

- The Family Life Institute, which has entered into its 34th year of existence, has grown from just a clinic to an organization that caters to various family programmes such as health clinic, maternity services, English medium primary school, tailoring unit, neighborhood group, social work trainee's field placement, volunteer programmes and service-learning programmes.
- The institute envisages organizing programmes and developing projects such as children resource centre, counseling care centre, outdoor play area for students, construction of classrooms, and construction of toilets for children; during the ensuing academic year.

### **MCC Centre at Pammal**

- The Pammal Leprosy Centre has been renovated with the help of Student Christian Movement.

### **MCC Students Service for the Blind**

The Students Service for the Blind, a unit of Madras Christian College offers services for the visually challenged students, and also provides assistance to differently abled students in their education.

- A group of willing students drawn from any of the department function as volunteers to help the challenged students.

- During the academic year 2008-2009 the differently abled students were taken on a one day picnic to Pondicherry to understand the Historic, Geographic and Cultural uniqueness.
- Apart from scribing, introduction of infrastructural changes like ramps, hand railings etc. have been undertaken to facilitate safe and easy mobility.

### **MCC Farm**

- The Piggery and Goat farming are undertaken in the farm. There is a total of 62 pigs/piglets and 42 goats/kids.
- Dr. Tensing, Professor of Veterinary University, Chennai visited the farm every week as a consultant and organized the procurement of 25 pig/piglets from S.S. Farm, Vengaivasal, Chennai.
- One acre of land within the farm has been fenced within which groundnut and maize were successfully cultivated during the pre-monsoon.
- In order to reduce cattle feed cost, fodder grass were cultivated within the fenced area.
- Casuarina saplings have been planted in seven acres.

### **19. Teachers and officers newly recruited:**

AIDED STREAM		
Department	Name	Month & Year
Tamil	R. Gowthaman	June 2008.
English	Pradeep Hariharan	June 2008
English	David Abrahan Albert	May 2008
English	Anupama Natarajan	August 2008
English	Phebe Angus. G.	September 2008
History	Christina Kokila	June 2008
History	V. Chithra	May 2008
History	V. Veeraraghavan	July 2008
Public Administration	Vijay Devanesan	June 2008

Public Administration	S. Kalyani	June 2008
Public Administration	Amudha	August 2008
Economics	Arun Koshy	June 2008
Philosophy	S. Segar	June 2008
Philosophy	V. Kumari Sunitha	June 2008
Philosophy	K. Jasmine Preethy	June 2008
Commerce	T. Shirmila	June 2008 (Transferred from SFS to Aided Stream)
Commerce	Florence John	June 2008 (Transferred from SFS to Aided Stream)
Social Work	Priscilla Samuel	June 2008
Mathematics	C. Beaula	June 2008
Mathematics	J.D. Emerald Princess Sheela	June 2008
Mathematics	Annal Deva Priyadharshini	June 2008
Mathematics	Huldah Sathyaseelan	June 2008 (Transferred from SFS to Aided Stream)
Mathematics	A. Jyoti Salomi Tsapa	May 2008
Statistics	R. Madhanagopal	June 2008
Statistics	G. Manimannan	June 2008
Statistics	Elizabeth Sangeetha	June 2008
Statistics	G. Priya	June 2008
Statistics	Marthal Thangapackiam	June 2008
Physics	Lijo Elizabeth Abraham	June 2008
Physics	M. Rabi Kumar	June 2008 (Transferred from SFS to Aided

		Stream)
Physics	D. Selvakumari	June 2008 (Transferred from SFS to Aided Stream)
Physics	Larny Mary Jayan	September 2008
Chemistry	S. Yasodhai	October 2008
Chemistry	R. Kavitha	October 2008
Chemistry	S. Geeth	December 2008
Plant Biology and Plant Biotechnology	Angela Gladys	June 2008
Zoology	P. Selvasingh Richard	May 2008
Zoology	W. Arisdason	July 2008
Zoology	T. Vimala Persis	June 2008
Zoology	J. Lily Mahalya	June 2008
Zoology	Maghil Denis	June 2008

#### 20. Teaching - non-teaching staff ratio:

The teaching and non-teaching staff ratio is 3:2

#### 21. Improvements in the library services:

The process of computerization of library is in progress. E-learning resources are being developed.

#### 22. New books/journals subscribed and their value:

Book		Journals		Periodicals & News Daily		Total Amount (Rs.)
Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	
2159	5,77,638.25	96	93,500.00	30	18,316.00	6,89,454.25

**23. Courses in which student assessment of teachers is introduced and the action taken on student feedback**

Student assessment of teachers is introduced for all the courses. In addition to this, course feedback is collected from students who have completed their degree programme in the college. The data is used both for faculty improvement and for enhancing the curriculum of the respective departments.

**24. Unit cost of education**

Total expenditure during 2008-09 including the salary	: Rs. 12, 53, 95, 685/-
Total no. of students enrolled 2008-09	:1911
Unit cost of education	: Rs. 26,394/-

**25. Computerization of administration and the process of admissions and examination results, issue of certificates:**

Computerization of Administration office, Admission office, Examination office and Issue of certificates in the Records office were completed and improvements in the retrieval mechanisms were tested.

**26. Increase in the infrastructural facilities:**

- Generator: Two 250 KW generators were installed in the campus to enable activity during power failures.
- Centre for International Social Work (CISW): The Centre which was officially launched and inaugurated by the Honorable Minister for Higher education Dr. K. Ponmudi in the presence of His Excellency Dr. A. P. J. Abdul Kalam, The President of India on 23<sup>rd</sup> February 2007, coordinates, plans and implements programmes and research projects relevant to international social work education and practice. The focus is on collaborative research, active student exchange and faculty exchange. The department of Social Work has signed MoUs with eight universities abroad through CISW. The new building for the Centre was dedicated and inaugurated by Dr. Paul Sabapathy, CBE, Pro-chancellor and Chairman, Birmingham City University and Lord Lieutenant of West Midlands, UK, 10 February 2009



- Martin Hall: An additional block was added with an extended kitchen. This extension enables an addition of 44 students taking the total accommodation to 211 students and a provision for an additional staff.
- New Women's Hall (Margaret Hall): The foundation stone for the second women's hall was laid. This facility partially aided by the UGC with a special grant would accommodate around 200 students in the hall. It is slated to be completed for the next academic year.
- Women's Lounge extension: The second extension of the MacNicol Lounge was completed and the facilities extended to the students.
- Multimedia Resource Centre: Foundation for the construction of two additional rooms began, August 2008.
- Centre for Media Studies: The construction of a theatre and recording studio for the Visual Communication students started, August 2008.
- Bioinformatics Centre: Computer facilities were added.
- Lab Facilities: Fourteen departments had either added computer lab to their facility or improved the existing facility with modern equipments.

#### **27. Technology upgradation:**

- Broadband facility was added to the computer centre. BIC aided internet, Wi-Fi and Broadband connectivity was set up in the Zoology and Botany departments. Wi-Fi connectivity was also set up in the halls to enable students to access net for their study and research. Wi-Fi connection was extended to the departments of Zoology, Social Work, Statistics, and Botany.
- Teleconferencing facility using web cameras was used to interact with specialists in different part of the world.

#### **28. Computer and internet access and training to teachers and students:**

- Student internet centre offers free net access to students from 9.00 am to 4.30 pm on all working days.
- Training in computer skills is offered at the department of Computer Science, Media Studies, Statistics, Mathematics, Botany and Zoology through the various diploma courses and soft skills programme at the undergraduate and postgraduate level.

- Apart from facility in the various departments, the library also has an internet center exclusive for staff.
- Wi-Fi connection in the departments of Botany, Social Work, Statistics, Zoology.

### **29. Financial aid to students:**

- Distribution of financial aid to students in the form of scholarship based on economic status, reservation, and academic and co-curricular merit.
- More than 250 students availed governmental and non-governmental scholarships during the academic year
- The college management and various fora of the departments also generate funds and distribute them as scholarships to needy and deserving students.

### **30. Activities and support from the alumni association:**

The College is proud of having the oldest Alumni Association in India. It was founded in 1892 on the initiative of a group of former students, with the object of organizing an annual reunion.

The Alumni and Public Relations Office, opened in the college in 1962, serves as the main office of the Alumni Association. Presently the office at the College is called The Alumni and Public Relations Office. The International Guest House is managed by the Alumni and Public Relations Office.

The Alumni notice board helps in periodic publication of the Alumni news. The Alumni Magazine 'The Anchor', which was published first in 1964 continues till date, creates interest in the Alumni and their activities. It provides a bridge between the past and the present. The Anchor contains nostalgia, news stories, happenings and pictures.

The activities of the alumni association include:

- To foster and perpetuate friendship and cooperation among the alumni through
  - Publications
  - Central, regional and local alumni associations
  - Small informal group meetings of alumni
  - Visits of the members of the faculty and administration of the college to alumni centers

- Maintaining an active alumni head quarters on the College campus
- Organizing reunions on the College campus or other places
- Celebrations in alumni chapters.
- To further the social, literary and cultural interests of the alumni and alumnae through the publication of articles, through functions and meetings of the associations, and in other ways.
- To promote the interests of Madras Christian College by
  - Fostering and keeping alive loyalty to the College and a continuing concern for its welfare
  - Raising funds and securing gifts for the College for special or general purposes
- Communication with the authorities of the College on matters of mutual interest..

### **31. Activities and support from the Parent-Teacher Association:**

Parents/guardians have to be present during the time of enrollment and check the progress of their child. The Dean of Student Affairs will periodically meet parents of students and discuss matters of concern. The Department Heads invites parents as and when needed to discuss the progress of the students, some departments also orient them about the course and curriculum. There is no formally structured parent-teacher association.

### **32. Health services:**

- Resident College Medical Officer caters to the needs of the both residence and non-resident students on campus and teaching and non-teaching staff.
- The Resident Medical Officer is being consulted by the staff and students for their medical ailments.
- The doctor also visits the college extension centers to provide health services for the poor and marginalized.
- Regular health check up for the teaching and non- teaching staff is done by the college
- Gymnastics facility is available in halls for the resident students and for other students at the college Pavilion.

- The NSS office maintains a record of the blood group of the NSS volunteers who are interested in blood donation.

### **33. Performance in sports activities:**

Handball: For the first time in the history of the college the handball team has won the Madras University Championship in the Madras University Inter Zonal Tournaments held at Madras University grounds, September 2008; our team was placed winner in Buck Memorial State Level Inter collegiate Tournament held at YMCA College Ground, August 2008; our team was placed Runner up in the First Open State Level Handball Tournament organized by Naga Siva Polytechnic College, Madurai, July 2008; and our team was placed winner in B Zone Inter Collegiate Handball tournament organized by Madras University.

Basketball: Our college team won the prestigious Madras University Inter Zone Basketball Tournament for the sixth consecutive year; was placed runner up in the State Level Inter Collegiate Basket Ball Tournament organized by Jammal Mohammed College, Trichy; placed winner in 'B' Zone Inter Collegiate Basketball Tournament organized by the Madras University.

Football: Our college team won the South Indian Inter Collegiate Football Tournament organized by Sree Narayana Guru College, Coimbatore; and was placed winner in 'B' Zone Inter Collegiate Football Tournament organized by Madras University.

Athletic: Dhamurathinam of II B.Com (Voc) won the Gold Medal in Octathlon event and created a new meet record in the Junior State Athletic Meet held at Ariyalur. He also won many medals in various meets held during this year. Pachirajan of I MA Philosophy has been selected to participate in the All India Inter University Cross Country Race to be held at Rothak.

### **MADRAS UNIVERSITY COLOURS**

Handball: M. Mageshwaran, Shahul Hameed B, Vijakumar P, Santhosh R, Veeramani B. Kamalakannan N and Prasath A.

Basketball : Prabhakaran, R. Sudakaran, R. Madhavan D. V. Anthony Jeyaprakesh, Jagadesh Prabhu, Soundarapandi, Su Praveen

Football: Arun Pradeep, Martin, Balaji, Narandran, Frederick Johnson

Athletics: Kudilarasan, Dhamuranthinam, Pradeepkumar, Pachirajan

Best Physic: Vignesh

#### **34. Incentives to outstanding sportspersons:**

- Free board and lodging is provided for the outstanding sportsperson in the halls of the residence for men.
- To encourage the sportsmen special food is provided.
- Scholarships are awarded for the outstanding sportsmen:

#### **35. Student achievements and awards:**

- Department of History: Ms. Angitha Nambiar, I B.A., won the first prize in Creative Writing in the Annual Inter-Collegiate Competition 'Historica' conducted by the Department of History, Tourism, and Travel Management, Ethiraj College, Chennai.
- The History Department won the overall Rolling Trophy in the Inter-collegiate Competition 'Ithihaasic' conducted by the Department of History, Loyola College, Chennai, December 2008; and Vikram, III B.A History (Vocational) has joined the Navy and has been selected to the Armed Forces Medical College, Pune, for M.B.B.S. Course.
- Department of Political Science: Rony Chandy Jacob, III, B.A., and Mark Gideon, II B.A. won first place in the Inter-collegiate Oratorical Competition held on the topic 'Women's Rights and Human Rights' at the Loyola College, Chennai.
- Department of Economics: Joint paper presented by Kannan, II M.A., and Keerti Varma I B.A., on 'Global Economic Melt Down – Impact on Trade Industry and Banking Sector', National Conference on 'Global Economic Melt Down – Repercussions, Challenges and Reforms', organized by Guru Shree Shanthi Jain College for Women, Chennai. The paper was adjudged the best in the Technical Session on 'Impact on Trade Industry and Banking Sector'. The prize included a cash award of Rs. 3000, trophy and certificate. Thomas Mathew and Appu Kamal of I B.A. secured 3rd position in Young Managers Events where they were asked

to suggest economic solutions for practical problems faced by companies. The event was part of the National Economics Festival 2008 held in St. Stephen's College, New Delhi, December 2008.

- Department of Mathematics: L.S. Mohanapriya, Ramya and Anlin of II M.Sc., won the second place in the Dumb Charades event at the Inter-Collegiate Competition at Vaishnava College for Women, Chennai, October 2008. Deepika and Vaishnavi, I M.Sc., won the second place in the Dumb Charades event at the Inter-Collegiate Competition at Loyola College, Chennai, December 2008.
- Department of Statistics: T. Venkatakartik of II M.Sc won 3rd prize in the State Level Essay Competition conducted by NSSO, Chennai, on the Statistics Day, June 2008. Venkata Karthick T, I M. Sc student (2007-09), won the third prize in the State Level Essay Competition conducted by NSSO at Chennai on National Statistics day (Mahalanobis Birthday-29 June) 2008.
- Department of Physics: Dinesh, Sandhiya. T, C.S. Maithreyi, D. Aparna, S. Sushma, Daniel Raj of II B. Sc won the overall prize at 'Ripples' (Ethiraj College for Women), 'Physica' (Loyola College), 'Vais Phys time' (S.D.N.B. Vaishnav College for Women) in 2009-09. Fathima Rizwana, Tamilarasi, Janet Silviya, Manjusha, Sandhiya T., Sherly J. B. Caternina Jovita, Aparna D, won overall prize at events conducted by Non-Resident Women Students Forum, Madras Christian College, 2008-09.
- Department of Chemistry: M. Franco, II M.Sc., was invited to attend the Interactive Sessions at the Science Conclave: A Congregation on Nobel Prize Winners at Indian Institute of Information Technology at Allahabad, December 2008. Franco. M, Sandhya, S., Jemima, I. and Shiny Wilson, II M.Sc., won 3<sup>rd</sup> prize in the event Chemtunes held at Guru Nanak College, Chennai, December 2008. Sangeetha and Sowmya of II B.Sc., won 3<sup>rd</sup> prize in the Quiz Competition conducted at Loyola College, December 2008; Sandhya, S., Barghavan, P., and Jones Bennette, Y, II M.Sc., won 3<sup>rd</sup> prize in Dumb Charades held at Loyola College, Chennai, December 2008.
- Department of Plant Biology and Plant Biotechnology: III B.Sc., students participated in the Inter-Collegiate Cultural Festival GENOSTAV 08, organized by the Department of Plant Biology and Plant Biotechnology, Loyola College,

Chennai and won first prize in Rangoli, Flower Arrangement, 2<sup>nd</sup> prize in Oratorical (Tamil) and Biozap and 3<sup>rd</sup> prize in Oratorical (English) and vegetable carving. The overall runner's cup – Prof.S.Wilson Commemorative Cup was also won by the students. III B.Sc., students participated in the Inter-Collegiate Cultural event SAKURA 2009 and won prizes in debate, floral carpet, poster presentation, quizzing hunt, vegetable carving, biolyrics, adzap and won the overall winners' trophy.

- Department of Zoology: The students of the department won (i) Overall Championship Award PREDATOR 2008 at the Inter-Collegiate Competition conducted by Loyola College, Chennai; (ii) Overall Championship Award SYNAPSE, Inter-Collegiate Competition conducted by Department of Zoology, Stella Maris College, Chennai; (iii) First Prize at the Chennai Bird Race organized by the Madras Naturalist Society; (iv) Arun Kumar III B.Sc., has documented reptiles and birds on Madras Christian College campus and compiled a booklet.
- Department of Social Work (SFS): Ivan Antony John and S. Lydia won 2<sup>nd</sup> place in Cross Fire (Block and Tackle) and Fabian Andrew James won first place in the 'Man of Majesty' (Best Manager) at the programme conducted by Vel Multi Tech Sri Rangarajan Sakunthala Engineering College.
- Department of Social Work (SFS): (i) Ivan Antony John won first place in Best Manager event at the MAGMA 2008 programme organized by Asan Memorial Institute of Management, July 2008; (ii) Ivan Antony John's essay on the topic 'Will the private sector make the Government efficient in India?' was selected as the best among 36 essays at the MANAQUEST 2009 conducted by ITM Business School, Chennai.
- Department of Chemistry (SFS): S. Veluchandiran I M.Sc., secured first place in the event Tamil Cross-Talk of Riviera '09 an international sports and cultural fest at VIT University, Vellore.
- Department of Visual Communication (SFS): Andrew Naveen, I B.Sc., designed the cover page for Batman and Superman- an unusual combination published by DC Comics.

- Three students of the Department of Marine Studies had the opportunity (i) to participate in the cruise programme conducted by the National Institute of Ocean Technology (NIOT), Pallikaranai, Chennai, on board the vessel Sagar Purvi of the Department of Ocean Development, Ministry of Earth Sciences. They received hands on experience at navigation safety, operation of several instruments and analysis of various samples; (ii) Govind Mohan and S. Goutham (II M.Sc.), won the second place in Tamil Nadu for the Marine Quiz organized by CMFRI and Marine Biological Association of India, Tuticorin, December 2008.
- Two students of the M.Sc. (Marine Studies & Coastal Resources Management) course are on a visit to the Silliman University, Philippines, as part of partnership between the Institutions.
- As a part of the MOU signed between MCC and the Flinders University, the following four students spent a semester at the Flinders University, Adelaide, Australia, under the Australian Government Endeavour Scholarships: (i) Ms Sandhya Rachel Alexander, II B.A Economics, (ii) Ms Susan Edward II B.Sc., Physics, (iii) Mr. Jerrin John Varghese, II B.Com., 4) Mr. Vikas Singh II B.Sc. Physics, July to November 2008.
- Four students of the Department of Social work (Aided) were awarded the Endeavour Scholarship of the Government of Australia to study for a semester in the University of South Australia from June 2008 to December 2008. The credits earned there are transferred back to MCC for award of degree.
- Students of the Department of Social Work, under the auspices of SEWA, organized Independence Day, Teachers Day and World Peace Day celebrations. This year's campaign on Ending Violence against Women in collaboration with Crime Prevention and Victim Care (PCVC) was formally inaugurated on 26 November, 2008 in the presence of Oxfam International Representatives. The highlights of the 16-day campaign were awareness programmes for MCC students and the students of nearby schools in Tambaram. World AIDS Day was observed with Children affected with AIDS residing in Hope Foundation, Medavakkam, on 1 December 2008. A special programme was conducted for the children focusing on Love of God. The students of the department Observed World Human Rights Day on 10 December, with a campaign to spread awareness on Right to



Information Act October, 2005. On 13 December 2009, Anbin Virundhu for Beggars in and around Tambaram was hosted by the first year students which gave a new meaning to Christmas celebrations of the Department.

### **36. Activities of the Guidance and Counseling Unit:**

- The students who seek counseling are referred to the counsellor by fixing appointments with the counsellor by the department staff/ disciplinary committee/ Dean of student's Affair/ Dean of Women Student.
- Based on the needs of the students the department staff members guide the students.
- The departments also conduct career development programmes for higher studies and employment.

### **37. Placement services provided to students:**

The College facilitates absorption of students for direct placement by most leading corporate sectors.

### **38. Development programmes for non-teaching staff:**

A forum for non-teaching staff caters to the need of these members. The facilities extended to the staff and their families include annual retreat and periodical meets to create oneness and brotherhood. Wards of these staff get preferential entry to course and fee waiver is given by the college.

### **39. Healthy practices of the institution:**

#### **General**

- A comprehensive network of neighbourhood ministries which involves faculty and students in both academic and social activities.
- The social transformation brought about in the neighbourhood in education employment and social uplift through organized programmes of various units of the College is aimed at impacting the society for effective leadership.

## **Students**

- Students represent decision making bodies such as Academic Council, Board of Studies, Senatus meet (The highest decision making body in College), Senatus Finance Committee, Student Centre Committee, Disciplinary Committee, Library Committee.
- The College Union Society is a well-structured body, which is well represented.
- The students enjoy freedom of expression, which is unique to MCC.
- They conduct Blood donation camps and help in outreach programmes women. Offers a one year interdisciplinary course for 1 year UG and a diversified course, 'introduction to Women Studies', under Part IIIC.
- All resident men students enjoy the unique privilege of single room occupation.
- Students hone their spoken skills by being in the campus beyond class hours and develop confidence in their ability to communicate. This reinforces the spirit of oneness and fosters the habit of give and take.
- Exposed to crisis management and governance skills. and thus provide pluck and courage
- The college is noted for gutter culture. It has lengthy storm water drains where one could see students ensconced in comfort talking, debating, teasing and excogitating. Many students have vouched that they provide the best ambience for intellectual exchange.
- The inter-disciplinary courses and the ambience in the MCC campus help student to develop moral values and execute it independently.

## **Administration**

- The hierarchy is well structured. There are four Deans, one each for Humanities, Sciences, Student Affairs and Women Students. Last year the post of Dean of International Programmes was created.
- The Student Records Office is unique in its structure and execution of work.
- The Bursar not only takes care of the finances but is also a member of important decision making bodies.

**Support Systems** (The following are exclusive to the MCC)

- The following support systems are unique to the College.
- The Scrub Society: Promotes environmental awareness and protects the rich biodiversity of the campus.
- MCC Miller Fund: Extends financial help for educational needs of the children of non-teaching staff.
- The Office of Curator: The curator office facilitates protection of flora and fauna on campus.
- Staff Study Circle: The Staff Study Circle is a forum for intellectual discourse on several subjects.
- The Students' Centre: This is a special place for students. The Cafeteria does not merely appease hunger and quench thirst but provides the ambience and space where the intellectual and the down-to-earth congregate for dialectics on various subjects.

**Culturals**

- Deepwoods, the main cultural event of the College was conducted with pomp and splendor. Students from colleges in and around Chennai actively participated in this three day gala event which culminated with musical show by.
- The various Hall cultural programmes like the Galarompics of Martin Hall, Utsav of Thomas's Hall, Octavia of Heber Hall and the Moonshadow of Selaiyur Hall were organized with grandeur and participated willingly by the campus inmates with invited guests.

**St. Thomas's Hall**

- Various programmes like Jatra, SToba, (St. Thomas's Old Boys Association) STHLP, [St. Thomas's Hall Literacy Programme], Tennis Club, Bharati Mandram, UTSAV were organized with fervor and was instrumental to foster better working relationship within hallmates.

- The Hall Magazine is called USHA was brought out successfully. UTSAV was organized in a very grand manner with music and cultural programmes and competitions.

### **Selaiyur Hall**

- **Hall Activities:** The events like cross country race, cycle race, literary and debating events etc are meant to develop the residents personal relationship with other fresher and seniors and promote their full involvement in the Hall activities and to work for the betterment of the Hall..
- **Moonshadow:** The three day cultural festival in which all the four Halls take part culminated with a musical finale. The inter Hall sports meet which is considered to be the prestigious issue of three Halls is also a three days event wherein all the three halls sportsmen fight for their hall's name and fame. Hall day brought each and every resident of the Hall working with the full spirit to give their best. Within the Hall there many inter- block events were conducted in sports literary and cultural aspects to promote togetherness and develop skills. .
- **Scholarships:** The following scholarships are available for the deserving residents of Selaiyur Hall:
  - Rev. Gavin Martin Memorial Scholarship (2 Scholarships); given to economically weak Residents with good academic records.
  - Dr. G.J. Phaniel Memorial Scholarship (2 Scholarships) awarded to economically weak Christian Residents.
  - Prof. Bennett Albert Scholarship Endowment (2 Scholarships) awarded to economically weak Residents with good academic records.
  - Kuriyan Abraham Memorial Scholarship (2 Scholarships) awarded to Residents with good academic records.

### **Bishop Heber Hall**

- Orientation and ice-breaking for I year residents, by Resident staff, in the first week of July.
- First General Body Assembly in August - passing of annual Budget.

- Inter block culturals - 'Silver Tongue'.
- Annual Inter Collegiate Acoustic music fest - 1st Saturday in October - 'Octavia'. It ends with a showdown featuring a Rock Band from India.
- Hall News Letter: 'Plelican Brief'
- Hall annual Magazine: 'Aazad'
- Unofficial Hall magazine - for Private circulation only - 'Heber Rag'.
- A painting is done in the Outdoor stage every year, for the Hall Day, in accordance with the theme of the Hall Day.
- Membership in British Council Library and Connemara Library, to enable residents use Library and Information Science facilities.

### **Sanctuary Guild & Hall Outreach Programme**

- The Guild members (chapel) and Hall residents have adopted 'Hope Foundation' a home for HIV/AIDS affected children (2 to 10 years) in Sembakkam, spending free time with them and allotting a small portion of their savings to buy goodies for the children.
- Some of the students also visit the Government T.B.Sanatorium / HIV-AIDS ward, periodically.

### **Martin Hall**

- The only residential facility in campus for women students organized various programmes like Galarompics, Avvai Mantram, Literary activities, Christmas Programme, Ethnic night, Sports Day, Vatica, and Hall Day.

### **Non-resident Women's Day**

Every year the non-residents celebrate Non-Resident's Women's Day which gives them a platform to showcase their diverse talents.

These diverse cultural programmes provide opportunities for:

- Organizing events

- Interacting with people persuasively
- Facing disappointments and learning to cope with them
- Financial Management
- Public Relations

#### **40. Linkages developed with National /International Academic /Research /bodies**

- International Programmes: Dr. William Gnanashekar (Public Administration) took over as Dean from Dr. K. Joshua (Philosophy)
- Davidson's Semester in India: The oldest of these programmes has been the Davidson's (NC, USA) 'Semester in India' Program since 1985. A group of 15 to 20 students accompanied by a couple of faculty members come every alternate (even) year and spend about four months between September and December, staying on the campus for about four weeks and visiting places of academic interest around the country. A group of about 20 Student along with Dr. Appleyard came in 2008.
- Elmhurst College, Chicago, Illinois: The Elmhurst group of about twenty students and faculty visit the College every J-term and spend about three weeks on the Campus. Lectures and academic visits are arranged by the College.
- A team of 15 students and 2 faculty members of Maryville College, Tennessee, USA were in the College on Travel Study in India programme of which Dr C. Joseph Barnabas was the Programme Coordinator.
- Furman University, South Carolina: The latest in our international programs has been from the Furman University. A group of about 17 students accompanied by two Professors spend three to four weeks in the month of February.
- Department of Social Work (Day) has taken the lead in establishing international partnerships, and signing of MOUs. The Center for International Social Work, which has as many as six international partners, promises to offer an academically challenging and socially relevant programme for their partners. Several visitors/ faculty from the partner institution visited the department to enhance the collaborative activities during the current academic year. They were: Dr Peter Newman, Research Chair, Toronto University, Canada; Dr Julie Drolet, Field

Placement officer, School of Social Work, Thompson Rivers University, Canada; Staff and students Chang Jung Christian University, Taiwan; Dr Marjan, Professor, Saxion University, Netherlands and Mr Simon, Trainer Netherlands; Dr Frank, Flinders University, South Australia, Dr Kristina Ryan, University of South Australia, Dr Leon Ginsberg, Appalachian State University, USA; Ms Mara Schneiders, Field Supervisor, University of Tasmania, Australia; Dr Chin Seng Chen, President, Chang Jung Christian University, Taiwan, Dr Jude Gonsalvez, Professor and Dr Jennifer K. Coplon, Adjunct Professor, Bridge Waters State, University, USA; Staff and Students of Maryville College, USA; Dr Jim Bijlsma, Retd Professor, Saxion University and Trainer, Netherlands; and Mr Nicholas Hartley, Internal Director of Programmes and Operations, Student Partnership Worldwide, U.K. along with 14 country Directors of Africa, Europe, U.K. and Asia visited the department..

**41. Any other relevant information the institution wishes to add:**

This year too saw an impressive number of faculty members involved in curriculum development activities, like, paper presentation, attending conferences and workshops and publications. This has been crucial for benchmarking education in MCC in the light of the innovative CBCS curriculum designed. It has enabled our faculty to be updated thereby contributing to national development and enhancing global competencies both among the teacher and the taught.

## **PUBLICATIONS**

### **Department of English**

Felix Moses published 'Focalization in Herman Melville's, 'Bartleby the Scrivener', Critical Perspectives on American Literature, Ed. S.P. Dhanavel, New Delhi, Sarup & Sons, Chennai, 163-172, 2008.

E. Manohar Samuel, contributed a chapter on 'Christianity', 'Madras' – Chennai, 400 year record of the first city of Modern India: The Land, the People and their Governance, Ed. S. Muthiah, Chennai, Palaniappa Brothers-British Council, 2008.

Nirmal Selvamony, (i) Introduction to Tamil Musicology, Central Institute of Classical Tamil, Chennai, 2008; (ii) Paripaatal, Central Institute of Classical Tamil,

Chennai; (iii) 'The Two Paradises of the American Imagination', *Critical Perspectives on American Literature*, Ed. S.P. Dhanavel, New Delhi: Sarup & Sons, Chennai 2: 8-25, 2008; (iv) 'Water in Contemporary Tamil Literature', *Words on Water*, Eds. Maureen Devine and Christa Grewe-Volp. Trier: Winssenchftlicher Verlag Trier, 2008, 89-101; and (v) 'Tinnai in Primal and Stratified Societies', *Indian Journal of Ecocriticism* I.1 (2008): 38-48.

Mekala Rajan, published an article 'Architectonics Strengthens and Stabilizes the Themes in 'The Brothers Karamazov'', in the book *Technique as Complementary to the Theme in European Literature: A Perspective*, New Century Book House, 2009.

### **Department of Tamil**

The Department of Tamil has published a collection of 'Tamil Dramas' compiled by the faculty, entitled *Ezbini*, November 2008.

Y. Gnanachandra Johnson published an article on 'Christian Lyric Writer S. Asirvatham', in a Christian journal called 'DESOPAKARI' by CSI Kanyakumari Diocese, October 2008.

P. David Prabhakar, published articles on (i) 'Christian Literature in Post Modern Era', November 2008 and (ii) 'Munnanai Marmam', in a journal called *POOKKOODAI*, published by CLS, Chennai, December 2008.

D. Meshak, published a paper on 'Contribution of Women Towards the Development of Tamil Christian Novel', *Souvenir of the International Conference on Christian Contribution to Tamil Language, Culture and Nation Building*, held at Kuala Lumpur, Malaysia, August 2008.

### **Department of Languages**

Ravindra Nath Singh has written a Chapter on 'Hindi in Tamil Nadu' in the Hindi book entitled *Hindi in Non-Hindi Regions of India*, ed. By Dr Ramesh Chandra Sharma, Vidhya Prakashan, Kanpur.



### **Department of History**

Y. Vincent Kumaradoss, published a book 'Robert Caldwell: A Scholar-Missionary in Colonial South India', ISPCK, Chennai, 2008.

Rukmani Sampath Kumar and V.Chitra, 'Women and Mental Health', Proceedings of the National Seminar on 'Relocating Gender Identity - Women's Culture and Society in India', Centre for Women Studies, Pondicherry University, 2009.

Vasanthi Vijayakumar, Ph.d. Thesis on 'Creating New Paradigms of Mission – Recovering Women's History – A Study of the American Arcot Mission (1853 – 1978)', University of Madras, 2008.

V. Chitra, (i) 'Economic Empowerment of Rural Women through Self Help Groups', proceedings of the Fifteenth Annual Session of the Tamil Nadu History Congress, 2008, pp. 185-87; (ii) 'Social and Economic Empowerment of Self Help Group's', proceedings of the 29<sup>th</sup> Annual Session of the South Indian History Congress, 2009.

### **Department of Political Science**

J. Ramesh Sundar, 'Experimentation and Exigencies in Coalition Politics', published in the book Federal System and Coalition Government in India, Kanishka Publishers, New Delhi, 2008.

W. Lawrence S. Prabhakar, (i) 'Chinese-Pakistani Air Defense Response to IAF Modernization: Combined Hurdles', Strategic Affairs, Vol. 2, Issue 10, June 2008; (ii) 'China's Hainan Naval Buildup and India's Response', Strategic Affairs, Vol. 2, Issue No.11, July 2008; (iii) 'Indian Ocean: Is it India's Ocean?', Strategic Affairs, Vol. 2, Issue No.12, August 2008; (iv) 'India's Undersea Predator', Strategic Affairs, Vol.2, Issue 13, September 2008; (v) 'Malabar and India's Naval Engagement with Foreign Powers', Strategic Affairs, Vol. 2, Issue 14, October 2008; (vi) 'The Emergent PLA-Navy Buildup and its Implications for Asia', Strategic Affairs, Vol. 3, Issue 3; November 2008; (vii) 'Challenges to India's Minimal Nuclear Arsenal: Insufficient Retaliation', Strategic Affairs (New Delhi: Centre of Asian Strategic Studies), Vol.3, Issue 4, December 2008; (viii) 'Nuclear Submarine Option and Overcoming Nerpa Tragedy: Miles to Go', Strategic Affairs (New Delhi: Centre of Asian Strategic

Studies) Vol. 3, Issue 5; January 2009; (ix) 'New Challenges: Land Attack Cruise Missiles in South Asia', Strategic Affairs (New Delhi: Centre for Asian Strategic Studies), March 2009; (x) 'Adhocism Prevalis: Imperatives in India's Security Paradigm', Strategic Affairs (New Delhi Centre of Asian Strategic Studies), March 2009; (xi) 'Garlanding the Pearl: Hambantota: China's Maritime Gambit and India's Response', Strategic Affairs (New Delhi: Centre for Asian Strategic Studies) May 2009.

### **Department of Public Administration**

William Gnanasekaran, published an article on 'Local Governance in India with Special regard to its Political Shaping, Assignment of Duties and Financing' in the book Decentralisation in Comparison – Local Governance in Germany and South East Asia at the Beginning of the 21<sup>st</sup> Century, edited by Dr Rainer Pitschas, German University of Administrative Sciences, Speyer, Germany.

### **Department of Economics**

A. Annadurai, (i) 'Impact of Globalization on Small Scale Industry in India – A Study', in the book entitled Globalisation Justice and Development, Serials Publications, New Delhi, Chapter XI, pp. 278-288, 2008; (ii) 'Rural Credit Structure in Tamil Nadu – A Field Study', Southern Economist, Vol. 47, Number – 15, p. 3-15, December 2008.

### **Department of Philosophy**

M. Gabriel, articles on (i) 'Religion and our Neighbours according to Gandhi', published in the book Religious Harmony, Department of Philosophy, National College, Trichy, January 2009; (ii) 'Faith and Salvation in Ramanuja's Thought' published in the Dr P.S. Jacob's Commemorative Research Volume, Department of Theology, Union Biblical Seminary, Pune, February 2009; (iii) 'Faith, Grace and Salvation in Kierkegaard and Ramanuja', published in Kierkegaard News Journal, St Olaf College Kierkegaard Library, Northfield, USA, February 2009; and (iv) 'Faith and Inwardness in Kierkegaard', published in Madras Christian College Magazine, 2008-2009.

S. Mathivanan, article on 'Acquaintance with C.T. Krishnamachari', Madras Christian College Magazine, 2008.

K. Joshua, (i) 'Globalization and Higher Education in India', in Madras Christian College Magazine, Vol. LXXIV, 2008; (ii) 'Mahatma Gandhi and his Experiments with the Gospel', in the Journal ENGAGE, RZIM publication, Chennai, 2008.

Kumari Sunitha, (i) 'Polysemy: Is it an Intrinsic Nature of Language', published in Hermeneutics, Department of Humanities and Social Science, IIT, Madras, 2008; (ii) 'Creativity and Indian Philosophy: A Historical Analysis', published in Malayalam Academic and Cultural Journal, Madras, 2008.

### **Department of Commerce**

**S. John Gabriel**, paper on 'Role of Permanent Negotiating Machinery in Public Enterprise', published by Southern Economist, Volume 47, Number 16, December 2008.

### **Department of Social Work**

D. Prince Annadurai, Co-edited a book on 'Gender Issues' published by the Centre for Women Studies, MCC, funded by the World Lutheran Foundation, 2009.

D. Prince Annadurai and B. Prince Solomon Devadass, published an article on 'International Social Work' in the book Quality Enhancement of Social Work Profession in India - Issues and Challenges, published by Sage Publications, 2009.

Priscilla Samuel published two articles in the Journal of School Social Work namely (i) Malnutrition, (ii) Problems Faced by the Adolescents in Schools, 2009.

### **Department of Mathematics**

V.R. Dare, D.G. Thomas and P.J. Abisha published a paper on 'Arrays, Special Subarrays and Computation', International Journal of Applied Mathematical Analysis and Applications, 3, 241-259, 2008.

V.R. Dare and D.G. Thomas published (i) 'Rewriting P Systems Generating Iso-Picture Languages', Lecture Notes in Computer Science, 4958, 2008; (ii) 'Computing

all Repeats of a Partial Word’, *The Journal of Combinatorial Mathematics and Combinatorial Computing*, 67, 235-248, 2008; (iii) ‘Tiling of Rectangles with Triangular – Tetrominoes’, *Journal of Combinatorics, Information and System Sciences*, 33, 243 -250, 2008; (iv) ‘Recognizability of Iso-Picture Languages by Wang Systems’, in *Image Analysis: From Theory to Applications*, Research Publishing, Singapore, 147-156, 2008 (An extended version as appeared in *International Journal of Imaging systems and Technology* 19, 140-145), 2009; (v) ‘3-Dimensional Regular Array Acceptors and Learning’, in *Image Analysis : From Theory to Applications*, *ibid*, 205-214, 2008; (vi) ‘T-communicating Iso Array P System’, *Proceedings of World Congress on Nature and Biologically Inspired Computing*, IEEE, 1556-1559, 2009; (vii) ‘On the Combinatorics of Triangular Arrays’, *Proceedings of Indian International Conference on Artificial Intelligence*, 146-165, 2009; (viii) ‘Recognizability of Partial Array Languages’, *Journal of Combinatorial Mathematics and Combinatorial Computing* 69, 237-249, 2009; (ix) ‘Tabled Iso-Array Grammars and Tabled Iso-Array Rewriting P Systems’, *ibid.*, (x) ‘Collage of Iso-Picture Languages’, *ibid.*, (xi) ‘Partial Finite Automaton and Partial String Token Petri Nets’, *ibid.*, (xii) ‘On the Combinatorics of 3D Rectangular Array’, *ibid.*, (xiii) ‘Hexagonal Subarray Complexity’, *ibid.*

V. Rajkumar Dare and D. Gnanaraj Thomas (With S. Annadurai and T. Kalyani), (i) ‘Trajectory P Systems’, *Progress in Natural Sciences*, 18, 611-616, 2008; (ii) ‘P Systems Generating Iso Picture Languages’, *Progress in Natural Sciences*, 18, 617-622, 2008; (iii) ‘Computing all Repeats of a Partial Word’, *Journal of Combinatorial Mathematics and Combinatorial Computing* 67, 235-248, 2008; (iii) ‘Topological Methods for Derivation Sequences of Rewriting Systems’, *International Journal of Algebra and Computation*, 2008

N. Gnanamalar David, published a paper on ‘Observational Astronomy in India, History of Science’, *Philosophy and Culture in Indian Civilization*, Volume XIII Part 8, Science in India, Viva Books, 119-134, 2009.

D.G. Thomas, published papers on (i) ‘Results on Hexagonal Tile Rewriting Grammars’, *Lecture Notes in Computer Science*, 5358, 945-952, 2008; (ii) ‘Collage of Hexagonal Arrays’, *Lecture Notes in Computer Science*, 5359, 1167-1175, 2008; (iii) ‘Inference of Uniquely Terminating EML’, *Lecture Notes in Artificial*

Intelligence 5278, 289-291, 2008; (iv) 'Learning of Regular Omega – Tree Languages', lecture Notes in Artificial Intelligence, 5278, 295-297, 2008; (v) 'Triangle-Tiled P Systems', Proceedings of International Conference on Mathematics and Computer Science, July 2008; (vi) 'Domino Recognizability of Polyhexes', Proceedings of National Conference on Computational Mathematics and Soft Computing, , 79-84, 2009; (vii) 'On a Subclass of Equal Matrix Languages', Proceedings of National Conference on Computational Mathematics and Soft Computing, 62-67, 2009; (viii) 'Fuzzy Bi-Omega Finite State Automata', International J. of Computing and Mathematical Applications' 2, 241 – 259, 2008; (ix) 'Learning of Finite Coded Petri Net Languages', J. Combinatorial Mathematics and Combinatorial Computing, 67, 223 – 234, 2008.

D.G. Thomas and N. Gnanamalar David, paper on 'Parallel Contextual Hexagonal Array Grammars and Languages', Lecture Notes in Computer Science 5852, 344 – 357, 2009.

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Adolf Stephen, published on (i) 'Some Inequalities for a Certain Class Of Multivalent Functions Using Multiplier Transformation', The Australian Journal of Mathematical Analysis and Applications, (5) Issue 1, Article 14 (with K.Suchitra, A.Gangadharan, S.Sivasubramanian), 2008; (ii) 'Some Properties of Hypergeometric Functions Associated to a Certain Subclass of Uniformly Convex Functions', International Journal of Pure and Applied Mathematics, 43 (4), 485-496 (with K.Suchitra, A.Gangadharan, S.Sivasubramanian), 2008; (iii) 'Coefficients Bounds for Meromorphic p-Valent Functions', Far East Journal of Mathematical Sciences, 28 (Issue I), 229-239 (with B. Srutha Keerthi, A. Gangadharan, S. Sivasubramanian), 2008; (iv) 'On a Subclass of K-Uniformly Convex Functions Associated with the Convolution Structure', International Journal of Pure and Applied Mathematics, (46)1, 95-110 (with K. Suchitra, A. Gangadharan, S. Sivasubramanian), 2008; (v)

‘Some Applications of Generalized Fractional Calculus Operators to a Certain Class of Analytic Functions’, *Far East Journal of Applied Mathematics* 30 Issue 2, 161-172 (with S. Owa, B. Srutha Keerthi, S. Sivasubramanian), 2008; (vi) ‘Coefficient Bounds for Certain Classes of Meromorphic Functions’, *Journal of Inequalities and Applications*, Article ID, 1-9 (with Herb Silverman, K. Suchitra, A. Gangadharan), 2008; (vii) ‘A Class of Harmonic Multivalent Functions and a Coefficient Inequality’, *Far East Journal of Mathematical Sciences*, January 2009; (viii) ‘A Generalization on a Class of Salagean-Type Harmonic Multivalent Functions’, *International Journal of Pure and Applied Mathematics*, Vol.52 No.5, 741-752 (with P. Nirmala Devi, K.G. Subramanian) 2009; (ix) ‘Harmonic Parabolic Starlike Functions of Complex order’, *International Journal of Mathematical Sciences and Engineering Applications(IJMSEA)*, Vol.3 No. II, 59-66 (with P. Nirmala Devi, K.G. Subramanian, T.V. Sudharsan, G. Murugusundaramoorthy), 2009; (x) ‘A Class of Analytic Functions based on Ruscheweyh Derivative’, *International Journal of Mathematical Sciences and Engineering Applications(IJMSEA)*, Vol.3 No. II, 103-108 (with K.G. Subramanian, T.V. Sudharsan, R. Thirumalaisamy), 2009; (xi) A Note on Salagean type Harmonic Univalent Functions, *General Mathematics* Vol 16, No 3, 31-41, 2008 (with T.V. Sudharsan, K.G. Subramanian, J.M. Jahangiri ).

Thomas Rosy, published on (i) ‘A Unified Class of Analytic Functions with Negative Coefficients’, (with G. Murugusundaramoorthy and Muthunagai. K), *Labacheskii J. Math.* 29, No.3, 175-185, 2008; (ii) ‘The ‘Feketo-Szego Problem for some Subclasses of Analytic Functions Defined by Convolution’, (with G. Murugusundaramoorthy and Kavitha. S), *J. Combin. Math. Combin. Comput.* 67, 217-222, 2008; (iii) ‘Certain Results on Multivalent Functions Involving Wright Hypergeometric Functions’, (with S. Kavitha and G. Murugusundaramoorthy) *Acta Universitatis Apulensis*. No.18, 185 – 198, 2009; (iv) ‘Certain Coefficient Inequalities for some Subclasses of Analytic functions’, (with G. Murugusundaramoorthy and S. Kavitha) *Hacettepe J. of Math. and Statistics*, 38 (3), 233-242, 2009; (v) ‘On Certain Sufficient Conditions Involving Gaussian Hypergeometric Functions’, (with H. Silverman and S. Kavitha), *International J. of Math. and Math. Sciences*, Art ID 989603, 2009; (vi) ‘Subordination and Superordination Results for certain Class of Analytic Functions’, (with N. Magesh and K. Muthunagai), *Int. J. of Math. Sci and Engg Appls (IJMSEA)* Vol 3, No.1, 173-182, 2009.

C. Annal Deva Priya Darshini published on (i) 'Structure Generating Function of an Array Language', (with V. R. Dare), in proceedings of International Conference on Mathematics and Computer Science, Loyola College, Chennai, July 2008; (ii) 'Combinatorics of Subsequences of Finite Words', in Proceedings of National Conference on Cryptography, Automata and Learning Theory, Madras Christian College, Tambaram, Chennai, April 2009.

#### **Department of Statistics**

Bala Srinivasan, 'A Complex Two-unit System with Random Breakdown of Repair Facility', published in *Microelectron. Reliab.*, Vol. 35, No.2, pp. 299-305.

#### **Department of Physics**

N. Lakshminarayan, published (i) 'Sol Gel Based Zinc Oxide Thin Films Using Programmable Dip Coating Apparatus', *Journal of the ISOI*, 38 (2); (ii) 'Optimization of Fabrication Process of High-Efficiency and Low-Cost Crystalline Silicon Solar Cell for Industrial Applications', *Solar Energy Materials & Solar Cells*, 2008.

#### **Department of Chemistry**

R. Wilfred Sugumar, (i) published a book entitled 'Molecular and Atomic Spectroscopy', by MJP Publishers, Chennai, June 2008; (ii) Review on 'Risk Management for Water and Wastewater Utilities', Academic International Ltd; (iii) Co-authored a book entitled 'A Laboratory Manual for Environmental Chemistry by IK', International Publishing House, New Delhi, January 2009.

R. Joel Karunakaran published a paper on 'Iodination of Alkyl Benzenes Using Benzyltriphenylphosphonium Dichromate / I<sub>2</sub> System', *E-Journal of Chemistry*, 6(4), 2009.

K. Mohandoss, paper on, 'Schiff's Base Phenol – Hydrazone Derivatives as Colorimetric Chemosensors for Fluoride Ions', *Tetrahedron Letters* 49, 127-132, 2008.

T. Mary Vergheese, 'Preparation of Cu Dendrimer Nanocomposite: Picomolar Detection of Cu<sup>2+</sup> ions', *Analytical and Bioanalytical Chemistry* 390, 939 – 46, 2008.

**Department of Plant Biology and Plant Biotechnology**

M. Baluswami, published (i) 'Diversity of Phycocolloids in selected members of Rhodomelaceae', *Ind. Hydrobiol.* 10(1): 145-151; (ii) 'Morphological, Histochemical and Biochemical Studies on *Gracilaria fergusonii*. J. Agardh', *Seaweed Res. Utlin.* 29(1&2): 31-38; (iii) 'FT-IR Spectroscopic Investigations on the Agars from *Centroceras Clavulatum* and *Spyridia bypnoides*', *Int. J. Phycol. Phycochem.* 4(2):125-130; and (iv) 'Seasonal Variation in Cell-wall Polysaccharides of *Grateloupia filicina* and *Grateloupia lithophila*', *Seaweed Res. Utlin.* 30(1&2): 161-169.

D. Narasimhan, published (i) 'Mangroves: Occurrence and Importance', In Jegadish Gandhi and F.N. Sugirtharaj (eds.) - *Mangrove Ecosystem in the Bay of Bengal Region, Enhancing Biodiversity and Disaster Risk Reduction, Coastal Poor Development Action Network India*; (ii) 'Ecological Elements in the Songs of the Poraja and the Ancient Tamils', *Indian Jour: Ecocriticism*, 149-54, 2008; (iii) 'Relationship between Four Tribal Communities and their Natural Resources in the Koraput Region', *Ethnobotany Research & Applications* 6: 481-485, 2008; (iv) 'What is Traditional Knowledge?', in Krishnan S. & D. J. Bhat (eds.) *Plant and Fungal Biodiversity and Bioprospecting*, Broadway Book Centre, Goa, 2009; (v) 'Conservation of Strict Endemics of the Nilgiris in Tamil Nadu', *ENVIS Special Issue: Endemic Angiosperms of Tamil Nadu*, Vol. 5(4): 27-34, 2009; (vi) 'Plant Names and Uses as Indicators of Knowledge Patterns', *Indian Journal of Traditional Knowledge* 8(4): 645-648, 2009; (vii) 'New Reports to the Flora of India from Saddle Peak National Park, North Andaman', *Rheedea* 19(1&2): 69-71, 2009; and (viii) 'Invasive Alien Plant Species of Tamil Nadu', *Proceedings of the seminar on Invasive Alien Species*, ENVIS, Department of Environment, Government of Tamil Nadu, 2009.

W. Arisdason, published (i) 'Mangroves of Andhra Pradesh: Some Issues in Taxonomy, Rarity and Conservation', *Proc. A.P.Akad. Sci.* 12: 193-202, 2009; (ii) 'The Genus *Xylocarpus* J. Konig (Meliaceae) in India', *Rheedea* 18: 43-52, 2009.



## Department of Zoology

R. W. Alexander Jesudasan, published (i) 'Centre for Research in Entomology (CRE)', *Pestology* 32(11): 52-55, 2008; (ii) 'Significance of Insect Genomics in Agroecosystems', Proceedings of National Workshop on Molecular Modeling and Protein Docking, Central Agricultural Research Institute, Port Blair, Andaman & Nicobar Island, 2008.

T. N. Ananthakrishnan & R. W. Alexander Jesudasan, published 'Facets of Cecidology: Intricacies of Insect plant interactions', (Meeting Report), *Current Science*, 94 (4): 431-433, 2008.

R. W. Alexander Jesudasan & J. Lily Mahalya, published 'Vermiculture– An Extension Programme of the Department of Zoology', *Pestology* 32 (12): 64, 2008.

Laltampuii, Manu Thomas Mathai and R. Moses Inbaraj, published and presented a paper on 'Identification and Sequencing on Juvenile Hormone and Methyltransferase Gene in the Larva of *Bradinopyga Geminata* (Anisoptera: Odonata)', Proceedings of The Eighteenth International Symposium of Odonatology Hislop College, Nagpur, India, 05 to 09 November 2008.

R. Moses Inbaraj and Manu Thomas Mathai, published 'Analysis of Ecdysterone in *Bradinopyga Geminata* (Rambur) have by Reverse Phase – High Performance Liquid Chromatography', RP-HPLC (Anisoptera : Libellulidae).

R. Raveen, published (i) 'Water Quality Status of Three Vulnerable Fresh Water Lakes of Suburban Chennai, India', *Indian J. Environ. & Ecoplan.* 15(2), 2008; (ii) 'Bacterial Analysis of Soil Samples Collected in and around a Sugar Mill in Tamil Nadu', *J. Ecobiol.* (22) 25, 2009; (iii) 'Fungal Analysis of Soil Samples Collected in and around a Sugar Mill in Tamil Nadu', *ibid*; (iv) 'Heavy Metal Mercuric Chloride Induced Biochemical Changes in the Freshwater Catfish *Mystus Vittatus*.', *J. Ecotoxicol. & Emt. Monitoring* 18, 2009; (v) 'Efficacy of a Dietary Supplemented Herbal Drug in the Stress Management of *Labeo rohita* (Ham.)', *J. Ecobiol.* 28, 2009; (vi) 'Effect of Immersion Treatment Using A Herbal Drug in the Stress Management of *Labeo rohita*, *ibid*.

C. Joyce Priyakumari, published 'Laboratory Manual Work on Introduction to Bioinformatics for Higher Secondary Biology Teachers', Bioinformatics Center of BTISnet, Madras Christian College, October 2008.

### **Department of Computer Science**

Feminna Sheeba, 'Impact of the IT Boom on the Values of Students in Higher Learning' published in the conference proceedings in the Asian Christian Faculty Fellowship Conference 2008, Bali, Indonesia, 13 to 16 November, 2008.

G. Johanna Johns Rani, 'Medical Decision-Making using Temporal Mining', Proceedings of the National Conference on Software Engineering and Applications', at Sacred Heart College, Tirupattur, 04 to 06 December 2008.

### **Department of Marine Studies and Coastal Resource Management**

N. Thirunavukkarasu, A. William Charles, V. Deepak Samuel, Lita Sunder and R. Moses Inbaraj, (i) 'Loss of Biodiversity and Economy due to By-Catch Exploitation', Proceedings of the National Conference on Biotechnological Intervention on Conservation and Sustainable Utilization of Bio-resources – 2008, conducted by the Department of Biotechnology, Sathyabama University, Chennai, pp. 13-18, 07 to 09 August 2008.

N. Thirunavukkarasu, D. Adhavan, V. Deepak Samuel, Lita Sunder and R. Moses Inbaraj, 'Studies on Heavy Metal Pollution in Ennore Estuary', Proceedings of the National Seminar on IMO: 60 Years in the Service of Shipping at AMET University, Chennai, 16 August 2008.

V. Deepak Samuel, R. Dinesh Kumar, Steve Derek Cleur, N. Thirunavukkarasu, Lita Sunder and R. Moses Inbaraj, 'Marine Eels - the Gunk Unknown', in Proceedings of National Conference on Biotechnological Intervention for Conservation and Sustainable Utilization of Bioresources, Sathyabama University, Chennai, 18-21 pp, 07 to 09 August 2008.

Lita Sunder, P. Davidraja, R. Moses Inbaraj, N. Thirunavukkarasu and V. Deepak Samuel, 'Ennore Mangroves - a Diverse Ecosystem or a Diverted System?', in Proceedings of National Conference on Biotechnological Intervention for

Conservation and Sustainable Utilization of Bioresources, Sathyabama University, Chennai, 21-24 pp, 2008.

**Department of Social Work (SFS)**

R. Belinda, article on 'Working and Living Conditions of Construction Workers in Chennai', published in the book by TN FORCES, Loyola College, Chennai.

**PAPER PRESENTATION BY THE FACULTY MEMBERS IN THE REGIONAL/ NATIONAL AND INTERNATIONAL CONFERENCES/ SEMINARS/ WORKSHOPS:**

**INTERNATIONAL CONFERENCES / SEMINARS/ WORKSHOPS**

**Department of Tamil**

Moses Michael Faraday, 'Read Special Poems', International Conference organized by the Department of Tamil, Loyola College, Chennai, in connection with Perarignar Anna Birth Centenary Celebrations, September 2008.

P. George, 'Buddhism and Sangam Literature', International Seminar on 'Reading of Sangam Literature', organized by Department of Tamil, University of Madras, March 2009.

D. Meshak, 'Tamil Cristhava PudhinaValarchiyil Magalir Pangalippu', International Conference on the Christian Contribution to Tamil Culture, Language and Nation Building, Malaysia, August 2008.

**Department of History**

**V. Chitra**, 'Unsung Dalit Heroines of UP', International Conference on Unsung Heroines of Indian National Movement, conducted by the Department of History and Tourism, Mother Teresa Women's University, Kodaikanal, August 2008.

**Department of Political Science**

J. Ramesh Sundar, 'Self Help Groups', UGC International Conference on Digitalizing Administration: Challenges and Issues in E-Governance, Presidency College, Chennai, 2008.

W. Lawrence S. Prabhakar, (i) 'India's Stakeholdership in Nuclear Nonproliferation: Issues and Perspectives', Working Group on Weapons of Mass Destruction and

Border Security, Regional Network of Strategic Studies Centers, Near East and South Asia Division, National Defense University, Washington DC, USA & Center for Strategic Research, Ministry of Foreign Affairs, Govt of Turkey, Istanbul, Turkey 16 to 19 March 2009; (ii) Discussant Presentations on 'Obstacles to Good IR Work in India' & 'State of IR Teaching and Research in Indian Universities', International Conference on International Studies in India, Lee Kuan Yew School of Public Policy, National University of Singapore, Centre for Policy Research, New Delhi & Trehan Foundation, 25 & 26 March, 2009.

### **Department of Public Administration**

P. Ebenezer Benjamin, (i) 'E-Governance at the Grass Roots'; and (ii) 'Local Government in India and E-Governance', UGC International Conference on Digitalizing Administration: Challenges and Issues in E-Governance, Presidency College, 2008.

Vijay Devanesan, 'E-democracy and E-voting-Enhancing, Citizen Participation and Stake Holder Accountability', UGC International Conference on Digitalizing Administration: Challenges and Issues in E-Governance', organized by the Department of Public Administration, Presidency College, Chennai 2008.

S. Kalyani, 'Empowerment of Marginalized Women with Reference to Women Working in Stone Quarries', UGC International Seminar on Public Affairs and Governance: Challenges and Strategies, Presidency College, Chennai, 2008.

Amutha, (i) 'Leadership and Governance', UGC International Seminar on Public Affairs and Governance: Challenges and Strategies, 2008; and (ii) 'E-Governance at the Grass Roots – E Districts and E-Panchayats', UGC International Conference on Digitalizing Administration: Challenges and Issues in E-Governance, Presidency College, Chennai, 2008.

### **Department of Philosophy**

M. Gabriel, (i) 'Christianity after Gandhi in India', Adult Forum, First United Methodist Church, Northfield, MN, 22 October 2008; (ii) 'Subjectivity and Religious Faith According to Ramanuja and Kierkegaard', International Conference of American Association of Religious, University of Chicago, Chicago, USA, October 2008.

### **Department of Commerce**

Anli Suresh, 'Financial Innovations Perspectives & Prospects', International Conference organized by Loyola College, Chennai, 12 & 13 January 2009.

### **Department of Social Work**

Miriam Samuel, (i) 'Providing Community Mental Health: A Paradigm', (with Princey Abraham), International Conference on Mental Health and Human Rights, organized by the Department of Social Work, MCC, September 2008; (ii) Emerging Social Issues: A Global perspective', 2<sup>nd</sup> Conference on Emerging Social Issues, organized by the Chang Jung Christian University, Taiwan, November 2008.

### **Department of Mathematics**

V.R. Dare and C. Annal Deva Priya Darshini, 'Structure Generating Function on an Array Language', International Conference on Mathematics and Computer Science, Loyola College, Chennai, July 2008.

**Beaula**, 'On Vertex Strongly Graph', International Conference on Mathematics and Computer Science, Loyola College, Chennai, July 2008.

### **Department of Physics**

P. Chandran, 'Abinitio Studies of Substituted Dihydroxy Benzenes', International Conference, Thiagaraja Engineering College, Madurai, January 2009

N. Lakshminarayan, (i)'Vertical Profile Solar Cell', 18<sup>th</sup> International Photovoltaic Science and Engineering Conference (PVSEC-18), Kolkata, India, 19 to 23 January, January 2009; (ii) 'A Study on Stability Improvement of Thin Film Transistor using NH<sub>3</sub> and N<sub>2</sub>O Plasma Treatment', *ibid*.

### **Department of Chemistry**

R. Wilfred Sugumar and T. Jaba Priya, 'Cucurbituril as Host Molecule for the Complexation of Cations and Acetamide in Aqueous Solution', International Conference on Frontiers in Chemical Sciences, organized by the Department of Chemistry, MCC, October 2008.

R. Joel Karunakaran and Shyamala Lionel, 'Screening of Antioxidant Activity for the Methanolic Extract of Five Less Utilized Leaf Vegetables', International Conference on Frontiers in Chemical Sciences, MCC, Chennai, October 2008.

P. Wilson and E. Iyyappan, 'Synthesis and Characterization of Hydroxyapatite Particles by a Template Assisted Route', International Conference on Frontiers in Chemical Sciences, MCC, Chennai, October 2008.

Amirthavalli, (i) 'Synthesis of Nano Metal Oxides By Polymer Based Combustion Method', International Conference on Frontiers in Chemical Sciences, MCC, Chennai, October 2008; (ii) 'Review of Dissolution Ferrites and Chromites', *ibid*; (iii) 'Raman Spectroscopic Investigations of Nano Sized Metal Oxide Particles', International Conference on Functional Materials for Advanced Technology, Velammal Engineering College, Chennai, January 2009.

T. Mary Verghese, 'Recognition of Dopamine using Copper – Dendrimer Nanocomposite Electrode', International Conference on Frontiers in Chemical Sciences, MCC, Chennai, October 2008.

### **Department of Zoology**

R.W. Alexander Jesudasan, (i) 'Foraging Patterns in Fern-feeding Arthropods Occurring in the Western Ghats of Southern India', Oral presentation in the XXIII International Congress of Entomology, Durban, South Africa, 06 to 12 July 2008; (ii) 'Understanding Insect Biodiversity through Insect Faecology', *ibid*.

Laltampuii, Manu Thomas Mathai and R. Moses Inbaraj, 'Identification and Sequencing on Juvenile Hormone and Methyltransferase Gene in the Larva of Bradinopyga Geminata (Anisoptera: Odonata)', Eighteenth International Symposium of Odonatology, Hislop College, Nagpur, India, 05 to 09 November 2008.

Jancy, M.T.Mathai and Mohan Daniel, 'Studies on the Metamorphosis of the Tropical Odonate Bradinopyga Geminata (Rambur) (Anisoptera : Libellulidae)', 18th International Symposium of Odonatology, Nagpur, 05 to 09 November 2008.

Anulin Christudhas and Manu Thomas, 'Identification of Inducible Antimicrobial Insect Defensive Gene from the Dragonfly *Crocthemis sevilia* (Drury) Anisoptera:

Odonata', 18th International Symposium of Odonatology, Nagpur, 05 to 09 November 2008.

Vimala Persis, (i) 'The Distribution and Abundance of the Deep Sea Family *Phosichthyidae* and *Sternoptychidae* in the Indian EEZ', presented in MECOS 2009 (Marine Ecosystems), International Symposium, Cochin, 2009; (ii) 'The Length Weight Relationship of the *Vinciguerria Nimbaraia* and *V. Lucetia*', Poster Presentation, *ibid*.

#### **Department of Computer Science**

**Femmina Sheeba**, 'Impact of the IT Boom on the Values of Students in Higher Learning', Asian Christian Faculty Fellowship Conference, Bali, Indonesia, November 2008.

#### **Department of Commerce (SFS)**

Anli Suresh, 'Financial Innovations – Perspectives and Prospects', International Conference organized by the Department of Commerce, Loyola College, Chennai, January 2009.

#### **Department of Visual Communication**

Karthika Illamparithi, 'ICT and Women Empowerment', International Conference organized by Manonmaniam Sundaranar University, 2008.

#### **Department of Chemistry (SFS)**

B. Revathy, 'Study on Electrochemical Chlorination of Propionaldehyde', International Conference on Frontiers in Chemical Sciences, organized by the Department of Chemistry, MCC, October 2008.

Rakhi Yadav, 'A Scenario of Tribal Herbal Formulation for Contraception in Madhya Pradesh', International Conference on Frontiers in Chemical Sciences, organized by the Department of Chemistry, MCC, October 2008.

## **NATIONAL CONFERENCES/SEMINARS/ WORKSHOPS**

### **Department of English**

**Felix Moses**, (i) 'Curriculum Development in ELT at the Undergraduate Level for the Globalized India', National Conference on Humanities and Social Sciences in India in the Era of Globalization, organized by the Women's Christian College, Chennai, March 2009; (ii) 'Terrorism and Popular Fiction', Seminar jointly organized by the Institute for Advanced Christian Studies, MCC and Students for Harmony, at MCC, March 2009.

Mekala Rajan, 'Architectonics Strengthens and Stabilizes the Themes in The Brothers Karamazov', National Seminar organized by P.S.G.R. Krishnammal College for Women, Coimbatore, February 2009.

### **Department of Tamil**

Moses Michael Faraday, 'Sri Lankan Women Poets', UGC Sponsored Seminar held at Bishop Heber College, Tiruchirappalli, October 2008.

G.Rajendran, (i) 'The Future of Tamil', Seminar organized by Pavanar Kottam in Murambu near Tirunelveli, February 2009; (ii) 'The Etymological Studies in Caskam Literature', Seminar organized by the Classical Language Centre, Neyveli, February 2009.

Y. Gnanachandra Johnson, 'Chrithava Kappiya Varisyil Pauladiyur Pariyam', Seminar organized by All India University Tamil Teacher Association held at Madurai, May 2009.

S. Balusami, (i) 'Democracy in Tamil Literature', seminar organized by Inter Church Service Association, Chennai, December 2008; (ii) 'Literary Theories Through Fictions', workshop organized by Department of Tamil, Pondicherry University, Puducherry, December 2008; (iii) 'Aesthetism in Caskam Literature', Seminar organized by the Government Fine Arts College, Kumbakonam, 2009.

P. David Prabhakar, 'Nature of Tamil Data and Computational Environment', National Seminar on Computer and Tamil Net, Bharathidasan University, Perambalur, March 2009.



P. George, 'Vaiyapuri Pillai and Thirukkural', National Seminar conducted by the Department of Tamil Literature, University of Madras, March 2009.

D. Arul Padmarajan, (i) 'Tholkappiamum Tamil Kappuamum', Pudhicherry Mozhiyal Panpaattu Aaraichi Niruvanam, April 2009; (ii) 'Pazhanthmizhar Virundhombal', organized by Kalloori Aasiriar Kumari Tamil Sangam, April 2009.

### **Department of History**

D. Julius Rajendran, 'Tamil Sources for the Study of History', Seminar on Issues in Contemporary Tamil Nadu, Department of History, Madras Christian College, 23 March 2009.

V. Chitra, (i) 'Economic Empowerment of Rural Women through Self Help Groups', 15<sup>th</sup> Annual Session of Tamil Nadu History Congress, Periyar Maniammai University, Thanjavur, September 2008; (ii) 'SHG – A Silent Revolution in Tamil Nadu', South Indian History Congress, Manonmaniam Sundaranar University, Tirunelveli, 30 January to 02 February 2009; (iii) 'Women in Reservation Policy', UGC National Seminar on Reservation Policy in Post Colonial India, Department of Indian History, University of Madras, 05 & 06 January 2009; (iv) 'Social and Economic Empowerment of Self Help Groups', Twenty Ninth Annual Session of South Indian History Congress, Manonmaniam Sundaranar University, Tirunelveli, 30 January to 02 February 2009.

### **Department of Political Science**

W. Lawrence S. Prabhakar, (i) 'Issues of Governance and Human Rights in Rising India', National Seminar on Human Rights and Social Justice, Centre for Gandhian Studies, St Alphonsa College, Kottayam, June 2008; (ii) 'The Present Global Conventional Arms Trade, Transfers & Proliferation – Loopholes in Regulation', International Round Table Conference on India: Sustainable Development and Arms Trade Treaty, India International Centre, New Delhi, July 2008; (iii) 'Swords into Ploughshares: The Coming Millennium', Keynote Presentation, National Roundtable Conference on 'Disarmament, Human Security and Peace in 21<sup>st</sup> Century India, School of Law, Christ University Bangalore, February 2009; (iv) 'Nuclear Deterrence and Nuclear Disarmament: The New vistas in the Twenty-First Century', National

Conference and Panel Discussion on Nuclear Deterrence and Nuclear Disarmament, Centre for Security Analysis, Chennai, February 2009.

S. Sudha, 'Educational Rights of Children', National Seminar on Natural Disasters and Conflicts and its Implications in Realizing Child Rights, organized by Department of Political Science, Presidency College, 02 & 03 April 2009.

J. Diviyan, 'Discourses and Exchanges for Better Understanding among Neighbours', National Seminar on Emerging Challenges in South Asian Regional Cooperation, Centre for South Asian Studies, Pondicherry University, Pondicherry, 2008.

### **Department of Public Administration**

P. Ebenezer Benjamin, (i) 'Impact of Organizational Culture of Beedi Industries on the Social Security Issues of Unorganized Indigenous Workers', UGC National Seminar on Organizational Values, Vision and Culture, Voorhees College, Vellore, 2008; (ii) 'Post Cold War and Post Capitalistic Implications in South Asian Region', UGC National Seminar on Emerging Challenges in South Asian Regional Cooperation, Centre for South Asian Studies, Pondicherry University, 2008; (iii) 'Bio-Chip and Human Development', National Conference on Human Development organized by Madras Christian College and the Tamil Nadu Planning Commission, 2008.

Vijay Devanesan, (i) 'Historical Perspectives of the Reservation Policy of Tamil Nadu', National Seminar on Emerging Trends and Issues in Reservation Policy, organized by the Political Science and Public Administration Wing, Directorate of Distance Education, Annamalai University, 2008; (ii) 'Information Technology and Public Administration', National Seminar on Status of Public Administration in India – Tradition, Transformation and Trends, Department of Public Administration, Presidency College, Chennai, 2008; (iii) 'Vertical and Horizontal Configuration of Policies and Programmes', National Seminar on Environment and Health: Challenges and Responses in South India, Department of Politics and Public Administration, University of Madras, 2008; (iv) 'Historical Perspective of Indo-Pak relations with special reference to Nuclear Strategy and Security', National Seminar on Emerging Challenges in South Asian Regional Cooperation, organized by the Centre for South

Asian Studies, Department of Politics and International Studies, School of Social Sciences and International Studies, Pondicherry University, 2008.

### **Department of Economics**

Adeline, S., 'Women Empowerment – A Silent Revolution', National Conference on 'Role of Empowered Women in Empowering Women', held at Sarah Tucker College, Tirunelveli, March 2009.

### **Department of Philosophy**

M. Gabriel, (i) 'Our Religion and our Neighbours – A Gandhian Perspective', UGC Seminar organized by the Department of Philosophy, National College, Trichy, July 2008; (ii) 'The Concept of Existence in Existentialism with reference to Kierkegaard and Sartre', UGC National Seminar organized by the Department of Philosophy, Arulanandar College, Madurai, September 2008; (iii) Hindu, Muslim and Christian Unity-Reflections from Gandhian Perspective', Seminar conducted by the Department of Religious Studies, Elmhurst College, Chicago, USA, November 2008.

K. Joshua, (i) 'Liberation Theology and its Implications for Humanism in India', UGC sponsored National Seminar on Humanism organized by the National College, Trichy, 10 & 11 July 2008; (ii) 'Split Brain Subjects and the Nature of Consciousness', ICPR, Delhi sponsored National Seminar on Consciousness organized by the Arulanandar College, Madurai, 01 & 02 September 2008; (iii) Some Contemporary Obstacles and Challenges to an Egalitarian Society', National Seminar on Social Reformers of South India; Sri Narayana Guru, 30 & 31 October 2008.

S. Mathivanan, (i) 'The Relevance of Grecian Hermeneutics', St. Joseph's College of Arts and Science, Chennai, 2008; (ii) 'Environmental Beauty and Protection as Envisaged in Saiva Siddhantha', UGC Sponsored Two Day Seminar, organized by the Department of Philosophy, Pachaiappa's College, Chennai, 2008.

### **Department of Commerce**

Charles Suresh David, (i) 'Role of RBI in Resolving Credit Crunch', Apollo Arts and Science College, Chennai, 29 September 2008; (ii) 'Globalization and Environment Degradation', University of Madras, March 2009.

Sarprasatha Joe, 'Role of Christianity in Higher Education', Isabela Thoburn College, Lucknow, August 2008.

Hannah Frederick, 'Globalization in Higher Education due to GATS', NAAC Conference on Quality Management in Higher Education, Bombay, 07 & 08 January 2009.

T. Shirmila, 'Consumerism – Impact on Global Economy', UGC Sponsored Conference on Consumerism, Nijalingappa College, Bangalore, February 2009.

Florence John, (i) 'Inflation and Role of RBI', National Conference on Impact of Inflation organized by the Department of Commerce (SFS), MCC, 10 & 11 September 2008; (ii) 'Oil Pricing Mechanism', St. Mary's and St. Francis College for Women, Hyderabad, December 2008.

Janet E. John, 'Green Consumerism', National Conference organized by Nijalingappa College, Bangalore, February 2009.

Tabitha Durai, 'Experimental Learning in Higher Education', NAAC Conference on Quality Management in Higher Education, Bombay, January 2009.

Anli Suresh, 'Many Shades of Inflation', National Conference on Impact of Inflation organized by the Department of Commerce (SFS), MCC, 10 & 11 September 2008.

### **Department of Social Work**

Miriam Samuel, (i) 'Theoretical Understanding & Relevance of Service-learning in Higher Education in the Context of Globalised Scenario', UBCHEA sponsored National Seminar on Initiating Service-Learning in Higher Education, Union Christian College, Aluva, Kerala, 16 & 17 January 2009; (ii) 'Working with Communities: Making Mental Health a Reality', (with Princey Abraham), 27<sup>th</sup> National Annual conference of the Indian Society for Professional Social Work (ISPSW) at DNR College, Bhimavaram, AP. The paper was awarded ISPSW Award for the Best Paper presented among the Social Work Practitioners, February 2009.

Prince Annadurai and Prince Solomon Devadass, 'Scope for International Social Work in Social Work Education', National Conference on Quality Enhancement of Social Work Profession in India: Issues and Challenges, Bharathidasan University, 29 & 30 January 2009.

### **Department of Mathematics**

Huldah Sathyaseelan and V.R Dare, 'Extending Generalized Parikhu Matrices', National Conference on Recent Advance in Pure and Applied Mathematics, D.G. Vaishnav College, Chennai, January 2009.

B. Adolf Stephen, 'Co-efficient Bounds for Certain Subclasses of Analytic Functions Involving Hadamard Products', National Conference, *ibid.*

### **Department of Statistics**

S. Chandrasekar, G. Manimannan and R.Madanagopal, 'A Performance Perspective of Grouping Industries by using Multivariate Statistical Techniques', XI Annual Conference of the Society of Statistics, Computer and Applications, Department of Statistics, University of Madras, 24 to 26 March 2009.

Bala Srinivasan, 'An EOQ Model for Deteriorating Items with Partial Backlogging', XI Annual Conference of the Society of Statistics, Computer and Applications, Department of Statistics, University of Madras, 24 to 26 March, 2009.

Madhanagopal, 'Quality of Work Life among the Employees of Public Sector Banks in Chennai', Conference on Recent Trends in Capital Markets and Financial Innovations, Department of Commerce and Financial Innovations, Bharathidasan University, Trichy, January 2009.

### **Department of Physics**

P. Chandran, 'Vibrational Spectroscopic Studies in Aromatic Rings', National Conference, Crescent Engineering College, Vandalur, December 2008.

N. Lakshminarayan, 'Solar Photovoltaics', Alpha Engineering College, October 2008.

Caroline Michael, 'Be Aware/Beware of Toxic Substances in the Neighborhood', Maghnad Saha Memorial Symposium on Emerging Trends in Laser & Spectroscopy and Applications, March 2009.

### **Department of Chemistry**

R. Wilfred Sugumar, (i) 'Removal of Vat Dyes by Sorption onto Cucurbituril', (ii) 'Combined Anaerobic-aerobic bacterial degradation of dyes', National Conference on

Chemistry – The Essential Science of 21<sup>st</sup> Century, organized by the Department of Chemistry, WCC, Chennai, December 2008.

R. Wilfred Sugumar and T. Jaba Priya, (i) ‘Nano- An Evolution from Nature’, National Conference on Chemistry – The Essential Science of 21<sup>st</sup> Century, organized by the Department of Chemistry, WCC, Chennai, December 2008; (ii) ‘Study of Cucurbituril as Host Molecule for the Complexation of Cations and Acetamide in Aqueous Solution’, National Seminar on New Frontiers in Chemistry, Auxilium College, Vellore, January 2009.

P. S. Raghavan, ‘Probing into the Solution Properties of Curcumin – Metal Ions Complexes Sing their Acoustic Behaviour as Analytical Tool’, National Seminar on Modern Analytical Technique, Islamiah College, Vaniyambadi, August 2008.

#### **Department of Plant Biology and Plant Biotechnology**

M. Baluswami, ‘Seasonal Variation on the Yield Quantity of Agars in Selected Members of Ceramiaceae’, National Symposium on Algae in Agriculture and Food Industry, organized by the Department of Plant Biology and Plant Biotechnology, Pachaiyappa’s College, Chennai, September 2008.

#### **Department of Zoology**

Vidhya & R.W. Alexander Jesudasan, ‘GBIF – A Reservoir of Biodiversity Data and the Need of the Hour’, HADP Sponsored Seminar on Endemic and Endangered Species of the Nilgiris, Government Arts College, Ooty, 21 & 22 August 2008.

R.W. Alexander Jesudasan, (i) ‘Implications of Two Invasive Whiteflies, *Bemisia tabaci* (Gennadius) and *Aleurodicus dispersus* Russell (Aleyrodidae: Homoptera)’, IX Discussion Meeting in Entomology on Invasive Insects in Agriculture, Forestry and Medicine, 13 December 2008; (ii) ‘Impact of Climatic Factors on the Invasive Whitefly, *Bemisia Tabaci* (Gennadius) (Aleyrodidae: Hemiptera), a Vector of Plant-Viral Diseases’, 2<sup>nd</sup> Conference on Medical Arthropodology (Climate Change and Vector-borne Diseases), CRME, Madurai, 15 & 16 December 2008, 31; (iii) ‘Natural Enemies of Herbivorous Insect Fauna Associated with Ferns in the Western Ghats of Southern India’, National Symposium on Non-chemical Insect Pest Management, Entomology Research Institute, Loyola College, Chennai, February 2009.

Christy Jancy Joy P., Lorraine Gifta S., Arul Samraj D. and C. Joyce Priyakumari, 'Integrating Computational Methods for Prediction of Protein Structure and Function in an Endangered Butterfly Species *Doleschallia Bisaltide* Cramer (Nymphalidae: Lepidoptera)', Paper presented in the National Seminar on Endemic Endangered Species of the Nilgiris organized by the Department of Advanced Zoology and Biotechnology & Wild Life Biology, Government Arts College, Udagamandalam, Tamil Nadu, India, 21 - 22 August 2008.

Lorraine Gifta S., Santa Ram A., Christy Jancy Joy P., Arul Samraj, D., C. Joyce Priyakumari, 'Genetic Diversity of *Racemusta* Genotypes using RAPD Markers in Conservation of Coffee Germplasm', Paper presented in the National Seminar on Endemic Endangered Species of the Nilgiris organized by the Department of Advanced Zoology and Biotechnology & Wild Life Biology, Government Arts College, Udagamandalam, Tamil Nadu, India, August 21 - 22, 2008.

Lorraine Gifta S., Santa Ram A., Christy Jancy Joy P., Arul Samraj D., and C. Joyce Priyakumari, 'Comparative Assessment of DNA Fingerprinting Techniques (RAPD and ISSR markers) for Genome Analysis of *Racemusta* Genotypes', Paper presented in the National Conference on Computational Biology 2008 (NCCoB '08), Department of Bioinformatics, Karunya University, Coimbatore, Tamil Nadu, India, 22 -23 August 2008.

Christy Jancy Joy P., Lorraine Gifta S., Arul Samraj D. and C. Joyce Priyakumari, Comparative study on Hsp70 Protein on *Bemisia Tabaci* and *Trialeurodes Vaporariorum*, Poster presentation in the National Conference on Computational Biology 2008 (NCCoB '08), Department of Bioinformatics, Karunya University, Coimbatore, Tamil Nadu, India, August 22 -23, 2008.

Samuel Sukumar, 'Diversity of Molluscan Fauna along the Chennai Coast', National Symposium on Current Trends in Marine Science and Technology, (CUTMAST '09), organized by the Department of Marine Studies and Coastal Resource Management and Department of Zoology, MCC, January 2009.

Jawahar Jamaison and Ann Stevens, 'Molecular Characterization of *Aeromonas hydrophila* and its Genetic Diversity among Different Species of Fishes', Seminar on Facets of Biotechnology, Ramakrishna Mission Vivekananda College, Chennai, 10 & 11 October 2008.

R. Raveen, (i) 'Comparative Assessment of DNA Fingerprinting Techniques (RAPD and ISSR markers) for Genome Analysis of *Racemosta* Genotypes'; (ii) Poster presentation: 'Comparative Study on Hsp70 Protein on *Bemisia Tabaci* And *Trialeurodes Vaporariorum*', National Conference on Computational Biology 2008, (NCCoB '08), Department of Bioinformatics, Karunya University, Coimbatore, August 2008; (iii) 'Histomorphological Studies on Corpuscles of *Stannius* of Euryhaline Cat Fish *Mystus Gulio* (Ham) during Calcitrophic Changes, in different periods, in Pulicat Lake', National Symposium on Current Trends in Marine Science and Technology (CUTMAST '09), organized by the Department of Marine Studies and Coastal Resource Management and Department of Zoology, MCC, January 2009.

P. C. Sathya Narayanan & Logamanya Tilak, 'The Prevalence of Anaemia among Teenagers in Pulicat Village', State Level Symposium on Role of Laboratories in Trauma Care and Pre-Emptive Prevention of Human Diseases, 17 & 18 December 2008.

Logamanya Tilak, 'Endangered Mudskippers of Pulicat Lake as Eco-indicators', National Symposium on Current Trends in Marine Science and Technology (CUTMAST '09), organized by the Department of Marine Studies and Coastal Resource Management and Department of Zoology, MCC, January 2009.

Maghil Dennis, 'A Survey of Natural Haemagglutinins in the Haemolymph of Carbs', National Symposium on Current Trends in Marine Science and Technology (CUTMAST '09), organized by the Department of Marine Studies and Coastal Resource Management and Department of Zoology, MCC, January 2009.

Vimala Persis, (i) 'Food and Feeding of the Deep Sea Fish *Vinciguerria Nimbaria* and *V. Lucetia* (Family Phosichthyidae) and a note on their Trophic Relations in the Ocean', National Symposium on Current Trends in Marine Science and Technology (CUTMAST '09), organized by the Department of Marine Studies and Coastal Resource Management and Department of Zoology, MCC, January 2009; (ii) 'Reproduction of the Deep Sea Fish *Vinciguerria Nimbaria* and *V. Lucetia* in the Indian EEZ' *ibid*;



### **Department of Commerce (SFS)**

Nirmala Mohan, 'Impact of Inflation', National conference on Impact of Inflation, organized by the Department of Commerce (SFS), MCC, September 2008.

Charlet Christina Rajakumari, 'Inflation and the Governmental Measures', *ibid.*

Annet Pearl, 'Inflation and BPO Industry in India', National Conference on Impact of Inflation, *ibid.*

Anli Suresh, 'Many Shades of Inflation', National Conference on Impact of Inflation, *ibid.*

Vimal George Kurian, 'Hyper Inflation', National Conference on Impact of Inflation, *ibid.*

### **Department of Marine Studies and Coastal Resource Management**

Deepak Samuel, et al., (i) 'Maine eels – the gunk unknown', National Conference on 'Biotechnological Intervention on Conservation and Sustainable Utilization of Bio-resources – 2008', Department of Biotechnology, Sathyabama University, Chennai, August 2008; (ii) 'Studies on the Enlarged Suckers of the Reef Dwelling Octopod', O. Marginatus, Taki, 1964, National Conference on Coral Reef Ecosystem, NACCRES' 08 Tuticorin Fisheries College and Research Institute, Tuticorin, September 2008; (iii) 'Rapid reef survey on the Agan-agan island in the Philippines', *ibid.*; (iv) 'Inside story on the status of ornamental reef fishers of the Gulf of Mannar region', IUCN Conference held at Hotel Grand Plaza, Tuticorin, December 2008; (v) 'Threats to Reefs and Associates – A 'Sos' Call to the Gulf of Mannar Biosphere Reserve', *ibid.*

R. Moses Inbaraj, Thirunavukkarasu N., V. Deepak Samuel and Lita Sundar, (i) 'Loss of Biodiversity and Economy Due to By-catch Exploitation'; (ii) 'Ennore Mangroves – a Diverse Ecosystem or a Diverted System?', National Conference on Biotechnological Intervention on Conservation and Sustainable Utilization of Bio-resources, Department of Biotechnology, Sathyabama University, Chennai, August 2008; (iii) 'Studies on Heavy Metal Pollution in Ennore Estuary', National Seminar on IMO:60 years in the Service of Shipping, AMET University, Chennai, August 2008.

## **LECTURES/RESOURCE PERSONS**

### **Department of English**

Felix Moses, (i) Resource person at the Seminar on Knowledge Commission, conducted by the Women's Christian College, Chennai, March 2009; (ii) Chairperson of the Academic Audit Committee at Loyola College, Chennai, March 2009.

K. Ganesh, Delivered Lectures at the UGC Refresher Course in English, Academic Staff College, Madurai Kamaraj University, Madurai, February 2009.

Mekala Rajan, Resource person in the Workshop in Writings by and on Women at C.T.T.E. College, Chennai, 25 September 2008.

### **Department of Tamil**

Moses Michael Faraday, Resource Person in the International Conference on 'The Christian Contribution to the Tamil Culture, Language and Nation Building', held at Kuala Lumpur, Malaysia, August 2008.

S. Balusami, (i) delivered an Endowment Lecture on The Art of Mamallapuram, Kasturi Srinivasan Charity Endowment, Coimbatore, 2009; (ii) delivered Invited Lecture on The Principles of Fine Arts in Nayaks Period, organized by Pondicherry University, Puducherry, 2009.

P. David Prabhakar, (i) delivered an Endowment Lecture on Veerama Munivar in Loyola College, 4 March 2009; (ii) delivered a Special Address at Young Journalists workshop, organized by Tamil Nadu Thowheeth Jamaath and 'Unarvu' Weekly, Chennai, 10 March 2009.

### **Department of History**

P. Rukmani Sampathkumar, delivered the Dr Indirani Sridhar Endowment Lecture at Ethiraj College, June 2008. Her lecture was based on Domestic Violence against Women Prevention Act.

Rukmani Sampathkumar and Vasanthi Vijayakumar, resource persons at the Workshop on Research Methodology, Loyola College, September 2008.

Vasanthi Vijayakumar, resource Person for (i) Students of Elmhurst College, Illinois, USA in MCC, 2008; (ii) Students of Furman College, South Carolina, USA in MCC, 2008, and (iii) Students of Davidson College, North Carolina, USA in MCC, 2008.

R. Venkataramanujam, delivered a lecture on 'Historical Methods' in the ICSSR sponsored programme on Research Methodology for Ph.D. Scholars in the University of Madras, February 2009.

### **Department of Political Science**

J. Ramesh Sundar, Resource person at the National Seminar on 'Civil Society and Religion', held at the Department of Christian Studies, University of Madras, December 2008. He was also a resource person at the Staff Selection Interview Board, TNPSC, Government of Tamil Nadu.

W. Lawrence S. Prabhakar, (i) delivered 5 lectures on India's Foreign Policy, India's Security Policy, India-United States Nuclear Agreement and Indian Ocean, at the UGC Refresher Course in Social Sciences, Academic Staff College, University of Kerala, Thiruvananthapuram, 2008; (ii) delivered keynote address at the National Round Table Conference on Disarmament, Human Security and Peace in 21<sup>st</sup> Century India, School of Law, Christ University, Bangalore, February 2009.

R. Sridhar, Resource person in the Orientation Programme conducted by the Academic Staff College, University of Madras, for the new TRB recruited lecturers in Government Colleges of Tamil Nadu, 2008.

### **Department of Public Administration**

T. Johnson Sampathkumar, was selected as a Course Writer for Rajiv Gandhi National Institute for Youth Development, Sriperumbudur, for M.A. in Local Governance through Distance Education Programme, October 2008.

### **Department of Economics**

G. Suresh Dhas, delivered the key-note address in the Technical Session on 'Energy Issues', UGC sponsored National Conference on Inclusive Growth-Dimensions and Strategies, organized by the Department of Economics, Christ University, Bangalore.

Duraisamy, gave lectures on (i) 'Role of NABARD in Refinancing Agricultural Credit in Tamil Nadu and India', XXIX Annual Conference of the Association of Economics of Tamil Nadu, Department of Economics, PSG College of Arts & Science, Coimbatore, November 2008; (ii) 'Risk and Uncertainty – The Role of Crop Insurance Schemes in India with special reference to NAIS and CCIS', Indian Economic Association's 91<sup>st</sup> Annual Conference held at the Department Economics, Mohan Lal Sukhadia University, Udaipur, Rajasthan, December 2008; (iii) 'Production Function – Theories and Estimation', Refresher Course at the Academic Staff College, University of Madras, December 2008; (iv) 'Economic Recession in India with Global Perspective', at Cornerstone, an NGO, December 2008; (v) 'Quantitative Analysis and Computer Applications in Economic Analysis', Seminar at Women's Christian College, Chennai, March 2009.

### **Department of Philosophy**

M. Gabriel, delivered lectures on, (i) 'The Meaning and Relevance of Philosophy', Department of Philosophy, Sacred Heart Seminary, Poonamallee, August 2008; (ii) 'The Philosophy and Teachings of Mahatma Gandhi' to the students of Davidson College at MCC, September 2008; (iii) 'Christianity in India', Adult Forum, First United Methodist Church, Northfield, Minnesota, USA, October 2008; (iv) 'Church Planning in India – Early and Modern periods – A study', Adult Forum, Holy Cross Episcopal Church, Dundas, Minnesota, October 2008; (v) 'Existentialism in India Philosophy', Department of Philosophy, St Olaf College, USA, October 2008; (vi) 'Is Religious Discrimination a Myth or Reality in India?', Department of Religious Studies, St Andrews Presbyterian College, North Carolina, USA, October 2008; (vii)

'Environment, Economy and Politics in India', 'Globalization and its Impact on Society' St. Andrews Presbyterian College, North Carolina, USA, October 2008; (viii) 'Environment and Critical Issues in India Today', Department of Philosophy, Elmhurst College, Elmhurst, Chicago, USA, November 2008; (ix) 'Globalization in India –The Challenges and Ethical Dilemmas', St. Andrews Presbyterian College, North Carolina, USA, 02 October 2008; (x) 'The Caste System in India-The Socio-Economic Justice', St. Andrews Presbyterian College, North Carolina, USA, 03 October 2008; (xi) 'Kierkegaard: The Leap of Faith and Inwardness-A Critique', St. Andrews Presbyterian College, North Carolina, USA, 30 October 2008; (xii) 'The Concepts of Faith and Salvation according to Ramanuja and Kierkegaard', American Association of Religions Conference, Hotel Hilton, Chicago, USA, 31 October 2008; (xiii) 'Indian Politics, Economics and Environment', Andrews Presbyterian College, NC, U.S.A, 01 to 03 October 2008; (xix) 'The Philosophical Ideas of Gandhi', Student Group of Elmhurst College, Chicago, at MCC, January 2009; (xixi) 'Religious Pluralism in India', Student Group of Maryville College, USA, at MCC, January 2009.

S. Mathivanan, delivered a lecture on (i) 'The Relevance of Grecian Hermeneutics', St Joseph's College of Arts and Science, Kovoor, Chennai, August 2008; (ii) 'The Philosophical and Ethical Implications of Globalization', UGC sponsored Seminar, Department of Philosophy, Madras Christian College, Chennai, 2009.

P. Joseph Sathiaraj, delivered lectures on (i) 'Religions in India – a Comparative Study' to the students of Canilius College, Baffalo, New York, USA, at Loyola College, Chennai; (ii) 'Research Methodology' in the Student Development Programme conducted by Mar Athanasius College for Advanced Studies, Kerala, February 2009; (iii) 'The Expectations of the College Community from the Chaplains' at the Refresher Course for Christian College Chaplains in India organized by MCC.

K. Joshua, delivered lectures on (i) 'A Brief History of Madras Christian College', to students from Davidson College, USA, October 2008; (ii) 'Radhakrishnan and Christianity' at RZIM Academy on Apologetics, October 2008; (iii) 'Some Milestones in History of Madras Christian College' to students of Maryville College,

Pennsylvania, USA, January 2009; (iv) 'Gandhi and Christianity', at RZIM Academy on Apologetics, February 2009.

V.M. Spurgeon, (i) Led five sessions on the theme 'Biblical Mandate for Evangelism' in the International Leadership Training of the Haggai Institute held at Singapore, 13 August to 20 2008; (ii) Resource person for a leadership seminar at the Haggai Institute, Maui, USA, March 24 to April 01 2009.

### **Department of Social Work**

Miriam Samuel, was a resource person for (i) 'Contemplation Day' for outgoing students of Women's Christian College, Chennai, 2008; (ii) Mental Health Programme for Bethel Matriculation School, Peniel Matriculation School and Christ King Higher Secondary School, 2008; (iii) Training programme on 'Leadership Development' for student leaders of Hindustan College of Arts & Science, Chennai, August 2008; (iv) Certificate / Diploma Course on Community Initiative and Youth Development accredited by the Centre for International Social Work, MCC, and offered by Student Partnership Worldwide, India, August 2008 & February 2009; (v) delivered a lecture on 'Mainstreaming Gender in Social Work Education', for the Social Work students of Chang Jung Christian University, Taiwan, November 2008; (vi) delivered lectures at MCC on 'Mental Health in India and Social Analysis of Indian Society' for the students of Davidson College, NC, USA, who were on a Semester-in-India Program, 2008; (vii) delivered Key Note Address in the 2<sup>nd</sup> Conference on Emerging Social Issues, organized by Chang Jung Christian University, Tainan, Taiwan, 21 November 2008; (viii) 'Overview of Social Issues in India' for the students of Elmhurst College, USA, J Term Programme at MCC, 2009; (ix) 'Social Analysis of Indian Society and Service-Learning' for the students of Maryville College, USA, 2009; (x) was a resource person at the Camp organized by CANSTOP-Cancer Outreach Programme of Sundaram Medical Foundation, Chennai, for parents and siblings of children with cancer on 'Psycho-Social aspects of Cancer', January 2009; (xi) Gender Awareness Programme organized by the Gender Cell of Hindu College, Chennai, January 2009; (xii) Trainer for the Training in gender issues for women framers attending programme at SPIC, RDC –From 2003 to 2009; (xiii) delivered Key Note address and presented a paper on 'International Social Work: Trends & Challenges' in the one-day International seminar on 'International Social

Work' organized by the Centre for International Social Work, MCC, 6 January 2009; (xiv) Delivered Key note address and presented a paper on 'Theoretical Understanding & Relevance of Service-Learning in Higher Education in the Context of Globalization' at the National Seminar on Service-Learning organized by Union Christian College, Aluva, Kerala, 16 & 17 January 2009; (xv) Chairperson, session on Socio-economic Evaluation of Coastal Communities: A Special Reference to Women, at the National Symposium on Current Trends in Marine Science & Technology, organized by the Department of Marine Studies and Coastal Resource Management & Department of Zoology, MCC, Chennai, 22 to 24 January 2009; (xvi) Resource person, Domestic Violence Awareness Training for the Freedom Training programme for released bonded laborers, organized by International Justice Mission, Chennai, from 2009 to till date; (xvii) delivered key-note address and presented a paper on 'Theoretical Understanding and Relevance of Service-Learning in Higher Education in the Context of Globalization', at the National Seminar on Service-Learning, Union Christian College, Aluva, Kerala, January 2009; (xviii) delivered a lecture on 'Social Work & Mental Health' to the students of Thompson Rivers University, Canada, March 2009; (xix) Delivered Key note address on 'Making a Difference: The Role of Canadians in International Development' at the Regional Event organized by the Canadian Association for Studying International Development at Thompson Rivers University, Canada, 04 March 2009;

Prince Annadurai, was a resource person to the (i) Masters in Public Health (MPH) Course at Institute of Epidemiology, ICMR, Chennai; (ii) 'Adolescent Motivation' organized by the Department of Psychology, Dr MGR Janaki College of Arts and Science for Women, January 2009; (iii) delivered a lecture on 'Health Systems in India – an Overview' to the students of Davidson College, USA, for their semester-in-India Programme; (iv) Workshop chief Rapporteur at the National Workshop and Conference on Quality Enhancement of Social Work Profession in India-issues and Challenges; held at Bharathidasan University, Trichy, 29 & 30 January 2009.

Prince Solomon Devadass, was a resource person for, (i) Student Leaders on Leadership Development at Hindustan Arts and Science College, August 2008; (ii) NSS volunteers of CSI EWARTS College, Chennai during 27 December 2008; (iii) LDP Youth on the topic Stress, Sexuality, Leadership and Friendship, June 2008 to

March 2009; (iv) 'India and Western Volunteers on Team Building', August 08 to February 2009; (v) 'KVK Workers on Stress and Conflict Resolution', February 2009; (vi) JSB B-School on Self Enrichment, February 2009; (vii) School Mental Health Programme for Bethel School, Velachery and Mental Health program for Teachers in Christ King School, Tambaram; (viii) Academic Coordinator for Study Tour – Bridge Water State College, USA, India Programme; (ix) Service Learning Programme for staff and students of Maryville College, USA;(x) Delivered the valedictory address on 'Globalization of Social Work Education', at Regional Seminar in Fatima College, Madurai, March 2009.

Pricilla Samuel, resource person for (i) Mental Health Programme for Bethel School, Velachery and Mental Health Program for Teachers in Christ King School Tambaram; (ii) House Parents Training in Child Development and Time Management at the India Gospel League, February to March 2009; (iii) Krupa Community College, Training for students, March 2009; (iv) The Project Staff Training on Nutrition, Health and Hygiene, Compassion International, Madurai cluster, May 2009; (v) Caruna Bal Vikas Training Programme for Child Development Associates (CDA), May 2009.

### **Department of Mathematics**

V.R Dare, delivered a lecture on (i) 'Application of Mathematics to other field', SDNB Vaishnav College, Chrompet, September 2008; (ii) was a resource person for the Refresher Course on Real Analysis conducted by the Academic Staff College, University of Madras, Chennai, November 2008; (iii) delivered lectures on 'Locally Testable Languages', International Conference on Computer and Mathematics, Loyola college, Chennai, January 2009; (iv) 'Mathematical Study on Language Theory', Quaid-e-Millat College for Women, Chennai, January 2009; (v) 'Mathematical Theory of Languages', Two day Seminar on Applied Mathematics, SDNB Vaishnav College for Women, Chennai, January 2009; (vi) 'Recent developments in Automata Theory', National Conference on Computing Sciences and Engineering, Ragagivi College of Social Sciences, Cochin, February 2009; (vii) 'A Link between Biology and Automata Theory', Inaugural talk for Abel Research Foundation, Nehru Memorial College, Puthanampatti, Trichy, February 2009; (viii)



‘A Study on Local Omega Languages’, National Seminar on Discrete Mathematics, M.E.S. Kalladi College, Palakad.

V. Rajkumar Dare, Thomas Rosy and G. Gnanaraj Thomas were resource persons at the programme ‘Complex Analysis for TRB’ held at Loyola College, Chennai, October 2008.

P. Abisha Jeyanthi, Lecture on ‘Cryptography’, Seminar on Applied Mathematics, SDNB Vaishnav College for Women, Chennai, January 2009.

T. Robinson, Lecture on ‘Tactile Math for Visually Challenged’, MATHZOOM 2009, Stella Maris College, Chennai, February 2009.

### **Department of Statistics**

S. Chandrasekaran, was a resource person for (i) Statistics Day Celebrations and National Sample Surveys Organisation (NSSO), Government of India, Shastri Bhavan, June 2008; (ii) Faculty Development Programme, Sri Venkateswara College of Computer Applications and Management, Coimbatore, July 2008; (iii) Workshop on SPSS, Jansons School of Business, Coimbatore, August 2008; (iv) Statistical Analyses Using Ms-Excel, ICFAI Faculty Development Programme, Chrompet, Chennai, November 2008; (v) Refresher Course in Mathematics and Statistics, Pondicherry University, December 2008; (x) Seminar on Statistical Computing, Department of statistics, University of Calicut, 05 & 06 March 2009; (xi) Chaired a symposium on Data Mining in XI Annual Conference of the Society of Statistics, Computer and Application, Department of Statistics, University of Madras, 24 to 26 March 2009.

Bala Srinivasan (i) delivered a series of five lectures on Stochastic Processes, in the Department of Mathematics, Stella Maris College, Chennai, under Scholar in Residence Programme, 2008; (ii) was a resource person for the Statistics Day Celebrations at National Sample Surveys Organization (NSSO), Government of India, Shastri Bhavan, June 2008; (iii) delivered a lecture on Gender Issues at A.M. Jain College, Chennai, November 2008; (iv) Organizing Secretary for the UGC sponsored National Workshop on Statistical Analysis using MS – Excel, at Madras Christian College, 28 March 2009; (v) Chaired a technical session in the XI Annual Conference

of the Society of Statistics, Computer and Applications, Department of Statistics, University of Madras, 24 to 26 March 2009.

Miriam Kalpan Simon, was a resource person for a Workshop on Statistical Methods at the Department of Communication, MCC, October 2008.

### **Department of Physics**

N. Lakshminarayan, lectures on (i) 'Silicon Photovoltaics-Past-Present-Near Future', Workshop on Solar Photovoltaics, organized by the Department of Physics, Alpha Engineering College and Micro, Small and Medium Enterprises, Department of Industries; Chennai, 06 October 2008; (ii) 'The Business of Physics', Inaugural Lecture at the Physics Association, Vellala Arts and Science College, Erode, 23 October 2008

### **Department of Chemistry**

R. Wilfred Sugumar, delivered lectures on (i) 'Soft Skills sans Sound', RKM Vivekananda College, Chennai, September 2008; (ii) 'Green Chemistry', Meenakshi College, Chennai, January 2009; (iii) OSLE-India Study Circle, 05 September 2008; (iv) 'Removal of Vat Dyes by Soption onto Cucurbituril', Auxillium College.

P. S. Raghavan, (i) delivered a lecture in the orientation programme conducted for National Level orientation for Kendriya Vidyalaya School Teachers, June 2008; (ii) Resource person for the Intensive Orientation Programme for newly recruited college teachers, organized by TANSICHE at Stella Maris College, Chennai, 30 October 2008.

P. Wilson delivered a lecture on 'Thermodynamics of Metallurgy', National Level orientation for Kendriya Vidyalaya School teachers, June 2008. He also served as Advisor in the Staff Selection Commission Interview Panel, June 2008.

E. Iyyappan, delivered a lecture on 'Nucleophilic Substitution reactions and Field Effects' National Level orientation for Kendriya Vidyalaya School teachers, June 2008.

Nimmy Edwin delivered a lecture on 'Biosynthesis of Proteins and DNA', National Level orientation for Kendriya Vidyalaya School teachers, June 2008.

**Department of Plant Biology and Plant Biotechnology**

M. Baluswami, (i) resource person for workshop on 'Taxonomy of Algae', organized by the Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai, June 2008; (ii) Delivered a lecture on 'Freshwater and Marine Algae' for P.G. Students and Research Scholars of IIT, Anna University, December 2008.

D. Narasimhan, (i) Delivered a lecture 'Journeys of Plant' in a Conference for Geography Teachers of India organized by the Geography Teachers Association, Vellore, August 2008; (ii) Resource person in the meeting on 'Garden Linked Educational Module', Foundation for Revitalization of Local Health Tradition, Bangalore, 06 August 2008; (iii) participated as a consultant in a meeting to finalize the 'List of Plant Species on the Verge of Extinction or Likely to become extinct under section 38 of the Biological Diversity Act, 2002' Botanical Survey of India, Coimbatore, September 2008; (v) Delivered a lead lecture 'Principles of Plant Taxonomy' in a Capacity Building Training programme organized by Botanical Survey of India sponsored by Ministry of Environment and Forest, Government of India, Shillong, 03 November 2008; (vi) Delivered a Lead Lecture on 'Importance of Standardization of Plant Drugs – a Botanical Approach' in a training programme on Phytochemical Analysis and Techniques for Faculties and Researchers in the field of Dravyaguna, organized by Captain Srinivasa Murthi Drug Research Institute for Ayurveda and Siddha, Arumbakkam, Chennai, November 2008; (vii) lecture on 'Plant Taxonomy', at the refresher course for newly recruited college teachers organized by Madras University, Chennai, December 2008; (viii) delivered a lecture on 'Biodiversity and Intellectual Property Rights', at the refresher course organized by the Department of Botany, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, January 2009; (ix) Delivered a Lecture on 'Cladistics' in a Capacity Building Training programme Organized by Botanical Survey of India sponsored by Ministry of Environment and Forest, Government of India, held at Coimbatore, January 2009; (x) Delivered a lecture on 'Invasive Alien Species of Wetlands' in a seminar on Wetlands organized by Department of Environment and Tamil Nadu State Land Use Board, Tamil Nadu State Planning Commission, held at Chennai, 24 March 2009; (xi) Delivered a lecture on 'Bioresources, Biotechnology and Intellectual

Property Rights' SDNB Vaishnav College for Women, Chromepet, Chennai, 05 April 2009; (xii) Participated in a discussion on 'Alien Invasive Species' as a panelist in M.S. Swaminathan Research Foundation, 21 May 2009; (xiii) Participated as a panelist in a Round table discussion on 'Biodiversity and Invasive Alien Species' organized by C.P. Ramaswamy Aiyar Foundation as part of International Biodiversity day celebration, 22 May 2009; (xiv) Presented a paper on 'Invasive Species of Tamil Nadu' in a National seminar jointly organized by Department of Environment, Govt. of Tamil Nadu and Tamil Nadu Pollution control Board, Chennai, 22 May 2009.

### **Department of Zoology**

R. W. Alexander Jesudasan was a resource person for the Orientation Course conducted by ASC, University of Madras, Refresher Course for College Staff on Social Sciences at Loyola College and Refresher Course for academicians on Life Sciences at the University of Madras, February 2009.

Samuel Sukumar, (i) Consultant at the 'Environmental Aspects of Nuclear Power Plants and Recovery from Nuclear Waste', IGCAR, Kalpakkam, June 2008; (ii) Delivered Lecture on 'Recent Trends in Biotechnology and Related Ethical Issues', P.G. Department of Zoology, Pachaiyappa's College for Men, Kancheepuram, September 2008.

R. Moses Inbaraj, delivered a lecture on 'Endocrine Control of Brain: A special reference of Neurosteroids' at the Seminar on Brain Excellence and efficiency, held at JBAS College for Women, Chennai, December 2008.

### **Department of Business Administration**

Armstrong Doss delivered a lecture on 'Recent Trends in Consumer Behaviour' at ICFAI National College, Chennai.

### **Department of Marine Studies and Coastal Resource Management**

V. Deepak Samuel, delivered lectures on (i) 'Evolution of Marine Mollusks', at the Madras Science Club, CLRI Campus, Chennai, February 2009; (ii) 'Marine Biotechnology', MVJ School of Biotechnology, Bangalore University, February 2009.

Sesh Serebiah, delivered a lecture for The DST sponsored 'GIS & Remote Sensing Workshop' at CAS in Marine Biology, Annamalai University, September 2008.

### **Participation in International / National / Regional Conferences / Seminars**

D. William Gnanasekaran, Department of Public Administration, attended (i) International Consultation on 'Development Studies a Masters Course to be introduced in the German University of Administrative Sciences 05 to 07 June 2008; (ii) International Seminar on 'Rights policies and Social Integration of the Disabled in Asia and Europe – A comparative Study', Organized by the Division of International Rights of the Maxplande Institute in Munich, Germany, 11 to 13 October 2008.

T. Johnson Sampathkumar, Department of Public Administration, participated (i) Two day National Conference on Human Development organized by the Madras Christian College and Tamil Nadu State Planning Commission at Tambaram, June 25 & 26, 2008; (ii) Two day National Workshop on Question Bank Preparation organized by the Rajiv Gandhi National Institute for Youth Development at Sriperumbuthur, 01 & 02 May 2009.

D.A.O. Abel Rajan, Department of Economics, (i) Participated on Climatic Changes on Value Education Programme at Gurukul Theological College, Chennai, 2008; (ii) Attended a seminar on Gender studies in MCC, 2008.

P. Joseph Sathiaraj, Department of Philosophy, participated in the National Conference on Internal Quality Assurance Systems and Curriculum Development – Sponsored by NAAC, organized by Arulanandar College, Karumathur, Madurai, 29 & 30 January 2009.

Marthal Thanga Packiam and Elizabeth Sangeetha Department of Statistics, participated in the one day seminar on Climate Change: Biodiversity and Livelihoods at the Department of Plant Biology and Plant Biotechnology, Madras Christian College (Autonomous), Chennai, 13 March 2009.

R. Wilfred Sugumar, Department of Chemistry, participated in National Conference on 'Transforming Christian Higher Education through Faith, Justice & Academic

Excellence', WCC, 23 & 24 January 2009; (ii) International Conference on Chemical Education (Virtual Conference), Mauritius, 07 to 25 July 2008; (iii) Webinar on the Power of Beryllium for Mission-Critical Applications, 14 October 2008.

A.S. Prince Edwin Das, Department of Chemistry, participated in the 'Science Conclave: A Congregation of Nobel Prize Winners' organized by the Indian Institute of Information Technology, Allahabad, December 2008.

## Part C

### Short Term Plans

- For the various departmental, residential and amenity buildings in the campus a resident civil supervisor is to be recruited and regular maintenance done.
- To provide support facility for students with a stationery shop and photocopying facility.
- With the multifarious activities taking place in MCC and the fact that we have our own faculty and students in media, it is envisaged that having a Media Centre in MCC campus would enable proper reflection of the activities to the world.
- With increased number of courses and the students, it is necessary to have a few air conditioned seminar halls in campus.

### Social Impact

- The college management is exploring the possibility of a community college to cater to the needs of economically and educationally disadvantaged students.
- A detailed database of both Governmental and Non-Governmental scholarships is to be maintained and students channelized to take full advantage of the funding at their disposal.
- Review the activities of the extension activities in Pammal, FLI, and Oxfam school and streamline the services extended to today's needs.
- Completion of construction of new building of RSL School.
- Upgradation and modernization of Campus School.

### **Others**

- A platform to share the knowledge and experience the members of the faculty gained abroad with the rest of the college community. The forum will discuss the experiences the staff gained through their overseas trip both in processing, administration, cultural and academic levels. This would enable the assessment of the existing conditions in MCC and make progressive changes as and when required.
- A monthly newsletter is to be published highlighting the major activities in the college.
- The alumni chapters across the globe are to be strengthened and their involvement with the present activities mooted.
- Reinstating the importance of sports and games in competitive terms on campus by recruiting a full time Sports Director



## GENERAL INFORMATION

Name and Address of the College	Madras Christian College (Autonomous) Tambaram, Chennai 600 05
Phone	044-22390675
Fax	044-22394352
E-mail	iqac@mcc.edu.in principal@mcc.edu.in
Name and Address of the Faculty member in-charge of the IQAC	Dr. V. Rajagopalan Head of the Department of English
Year of Establishment	1837
Type of College	Aided and Self-financing
Status	Autonomous
Whether the College has been assessed and accredited by NAAC	Yes
If yes, what is the star or grade award	A+ Grade
Year in which assessed	2003 - 2004

**Number of Academic Programmes Offered by the College:**

Level	Aided	Self-Financed
Under Graduate (Regular)	13	13
Under Graduate (Vocational)	3	-
Post Graduate	15	7
PG Diploma, Diploma & Certificate (including add-on courses)	3 (UGC)	6+6=12

**Student Strength (Number of students studying in 2008-09) by Gender:**

<b>AIDED</b>			
<b>UNDER GRADUATE</b>			
Course	Men	Women	Total
B.A	506	306	812
B.Sc.	366	414	780
B.Com.	188	103	291
<b>POST GRADUATE</b>			
Course	Men	Women	Total
M.A. (Including MSW)	176	130	306
M.Sc.	122	161	283
M.Com.	34	39	73
M.Phil	33	69	102
<b>Total</b>	<b>1425</b>	<b>1222</b>	<b>2647</b>

<b>SELF FINANCED</b>			
<b>UNDER GRADUATE</b>			
Course	Men	Women	Total
B.A. & B.B.A	326	171	487
B.Sc.	594	251	845

B.Com.	261	82	343
<b>POST GRADUATE</b>			
M.A. (Including MSW)	79	62	141
M.Sc.	79	67	146
M.C.A	51	39	90
M.Com	27	15	42
<b>Total</b>	<b>1417</b>	<b>687</b>	<b>2094</b>

### MCC SCHOOL OF CONTINUING EDUCATION

#### FULL-TIME DIPLOMA COURSES

Course	Men	Women	Total
Diploma in Printing Technology	38	0	38
Diploma in Medical Laboratory Technology	0	10	10
P.G. Diploma in Medical Laboratory Technology	3	12	15
P.G. Diploma in Computer Applications	6	3	9
P.G. Diploma in Journalism and Mass Communication	1	2	3

#### PART-TIME (Morning / Evening) DIPLOMA COURSES

Course	Men	Women	Total
Diploma in Human Resources Management	97	21	118
Diploma in Advertising and Public Relations	11	1	12
Diploma in Computer Applications	24	15	39
Diploma in English Language and Communication Skills	10	6	16
Diploma in Montessori and Primary	0	20	20

School Teaching			
<b>CERTIFICATE COURSES</b>			
Financial Accounting and Tally	11	9	20
<b>Total</b>	<b>201</b>	<b>99</b>	<b>300</b>

<b>Consolidated Total</b>	
Aided Stream	2737
Self Financed Stream	2014
School Of Continuing Education	300
<b>Total</b>	<b>5041</b>

An increase of 633 students as compared to the year 20007 - 2008

#### **Demand for UG Courses for the Academic year 2008 - 09**

Name of the Course/ Programme	Aided Stream		
	Candidates Applied	Sanctioned Strength	Candidates Admitted
History (Regular)	103	45	44
History (Vocational)	19	30	16
Political Science	138	70	68
Economics	248	70	70
Philosophy	35	35	29
Tamil Literature	50	70	35
English Literature	313	70	43
Commerce (Regular)	1088	70	70
Commerce (Vocational)	860	30	30
Mathematics	321	70	54
Statistics	108	50	35
Physics	232	50	46

Chemistry	129	50	33
Plant Biology and Plant Biotechnology	160	50	46
Zoology (Regular)	90	50	39
Zoology (Vocational)	18	30	12
<b>Name of the Course/ Programme</b>	<b>Self Financed Stream</b>		
Business Administration	817	70	70
Commerce	870	120	120
Computer Application	1178	50	50
Microbiology	92	50	43
Visual Communication	277	50	50
Mathematics	89	70	53
Physics	43	50	27
Physical Education	45	50	33
Journalism	88	70	69
Social Work	118	70	69
Geography, Tourism & Travel Management	51	50	47

#### Demand for PG Courses for the Academic year 2008 - 09

Name of the Course/ Programme	Aided Stream		
	Candidates Applied	Sanctioned Strength	Candidates Admitted
History	21	40	14
Political Science	21	20	18
Public Administration	50	40	35
Economics	41	20	19
Philosophy	7	13	4
Tamil Literature	27	20	11

English Literature	118	40	29
Commerce	88	40	28
Mathematics	89	40	30
Statistics	35	19	14
Social Work	164	25	24
Physics	120	26	24
Chemistry	154	26	26
Plant Biology & Plant Biotechnology	82	26	22
Zoology	42	16	19
<b>Name of the Course/ Programme</b>	<b>Self Financed Stream</b>		
Computer Application	158	30	28
Communication	44	40	23
Social Work	255	40	40
Chemistry	52	26	26
Applied Microbiology	115	26	24
Commerce (COBA)	43	40	17
Marine Studies & Coastal Resource Management	32	26	17

**Students' Performance in the Examinations in the UG Courses (Final year students Appeared in April/May 2009 Only)**

Name of the Course/ Programme	Aided Stream		
	Students Appeared	Students passed	Pass Percentage
History (Regular)	19	5	26
History (Vocational)	3	2	67
Political Science	47	39	83
Economics	49	33	67
Philosophy	23	20	87
Tamil Literature	35	35	100

English Literature	41	32	78
Commerce (Regular)	63	59	94
Commerce (Vocational)	27	19	70
Mathematics	53	40	75
Statistics	33	23	70
Physics	38	20	53
Chemistry	37	26	70
Botany	44	42	95
Zoology (Regular)	31	17	55
Zoology (Vocational)	8	4	50
<b>Name of the Course/ Programme</b>	<b>Self-Financed Stream</b>		
Commerce	103	79	77
Mathematics	36	23	64
Physics	30	19	63
Botany	7	2	29
Business Administration	60	55	92
Computer Science	46	38	83
Microbiology	38	35	92
Physical Education	22	11	50
Visual Communication	42	35	83
Journalism	20	16	80
Geography	29	24	83
Social Work	33	26	79

**Students' Performance in the Examinations in the PG Courses (Final year students appeared in April/May 2009 Only)**

Name of the Course/ Programme	Aided Stream		
	Students Appeared	Students passed	Pass percentage
History	17	15	88
Political Science	11	11	100

Public Administration	25	24	96
Economics	19	13	68
Philosophy	6	6	100
Tamil Literature	15	14	93
English Literature	22	19	86
Social Work	25	23	92
Commerce	34	29	85
Mathematics	39	34	87
Statistics	11	11	100
Physics	23	14	61
Chemistry	24	13	54
Botany	22	20	91
Zoology	<b>14</b>	<b>11</b>	<b>79</b>

Name of the Course/ Programme	Self-Financed Stream		
Computer Application	30	27	90
Communication	32	29	91
Social Work	43	42	98
Chemistry	24	13	54
Commerce (COBA)	22	19	86
Applied Microbiology	29	28	97
Marine Studies & Coastal Resource Management	24	24	100